Michigan Department of Environment, Great Lakes, and Energy

Combined Sewer Overflow (CSO), Sanitary Sewer Overflow (SSO), and Retention Treatment Basin (RTB) Discharge
2018 Annual Report

(January 1, 2018 - December 31, 2018)

Act 451 Legislative Report Requirement

Section 324.3112c of Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), identifies activities to be undertaken by the Department of Environment, Great Lakes, and Energy (EGLE) to make information related to known discharges of untreated or partially treated sewage from sewer systems to land or waters of the state available to the general public. This report provides a summary of releases reported to EGLE to meet these requirements.

Information Regarding Annual Report Series

This annual report is part of a series of reports that consolidate annual release reporting data since July 2000. The reports can be accessed online from the Library of Michigan:

- CSO/SSO & RTB Discharge Annual Report for 2017
- CSO/SSO & RTB Discharge Annual Report for 2016
- CSO/SSO & RTB Discharge Annual Report Series

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A Message from the Director

Protecting Michigan's abundant sources of fresh water is key to the mission of EGLE and important to the citizens of the State. It is imperative that we continue to align efforts in protecting our water bodies for future generations. A primary focus in this effort is controlling and reducing combined sewer overflows (CSO) and sanitary sewer overflows (SSO) to help eliminate the public health threat from raw sewage discharges into Michigan waters.

The 2018 annual report contains data on reported discharges, describes the causes of these discharges, and discusses the working relationships with local units of government, citizens, and other stakeholders in addressing this multiyear, multibillion-dollar challenge.

In 2018 Michigan experienced above average rainfall throughout the state, and this is evident in calendar year 2018 data. This demonstrates the significant impact that annual precipitation totals have on discharges from sewerage systems. While rainfall in 2018 was above average, CSO controls implemented throughout the state continue to show remarkable success in keeping raw sewage from entering surface waters. The yearly totals of untreated SSOs continue to follow the precipitation trends.

Featured below are some of the calendar year 2018 achievements, which highlight the steady gains we are making toward our long-term goals.

- EGLE awarded more than $61 million in loans through the State Revolving Fund to local units of government for wastewater infrastructure projects.

- As recommended in the Michigan's 21st Century Infrastructure Commission Report, an asset management pilot was created to advise and assist in creating a roadmap for the Michigan Infrastructure Council that covers the development, implementation, and management of a statewide integrated asset management system. This system will result in better coordination, a longer-term strategic approach, and more focused investment. These outcomes were identified and tested at the regional level through the pilot and was proven successful to now be operationalized statewide.

- Large-scale sewer separation projects continue in the cities of Dearborn, Port Huron, St. Joseph, Sault Ste. Marie, Wakefield, and Manistique. The cities of Detroit and Dearborn and others continue work to provide retention treatment basins for control of untreated CSOs to the Detroit River and Rouge River Watershed in southeast Michigan.

- In 2013 EGLE began an initiative to promote programs aimed at pursuing and achieving sustainable wastewater infrastructure. Such programs are referred to as asset management programs. To help communities prepare for this initiative, the Storm Water, Asset Management, and Wastewater (SAW) Program was created in January 2013 from legislation enacted to establish grants for asset management plan development, among other planning efforts, as well as state-funded loans to construct projects identified in asset management plans. In May 2018, $8.2 million in SAW grants was awarded to 13 recipients based on these asset management plans.

Thank you for your support in protecting the environment that is so important to the physical, social, cultural, and economic well-being of Michigan and its citizens.

Sincerely,

Liesl Eichler Clark, Director
Department of Environment, Great Lakes, and Energy

2018 PROGRESS: COMBINED SEWER OVERFLOWS and RETENTION TREATMENT BASINS

Did We Make Progress in 2018?

Precipitation in Michigan in 2018 was above average. According to the National Oceanic and Atmospheric Administration (NOAA), the annual precipitation total for all of Michigan in 2018 was 36.18 inches. Based on NOAA data, the long-term average annual precipitation for Michigan (data from 1895-2018) is approximately 31.56 inches. The resulting impacts of above average precipitation on 2018 wet weather discharges are evident in 2018 numbers. With consideration for the above, and other relevant factors described below, we believe Michigan is making progress in controlling wet weather discharges.

Each year we track elimination of uncontrolled CSO outfalls. As of 2018, 113 uncontrolled CSO outfalls remain for correction. While the number of uncontrolled CSO outfalls is the same as last year, outfall elimination and/or treatment is not the sole indicator of progress in implementation of CSO control as extensive design and construction consistent with approved Long-Term CSO Control Programs (LTCP) is continuing in various areas of the state of Michigan. This includes ongoing sewer separation projects that are being conducted in the cities of Dearborn, Port Huron, St. Joseph, Sault Ste. Marie, and Manistique, among others; and large construction projects by the cities of Detroit, Dearborn, and others, to provide retention treatment basins (RTB) or other controls for overflows to the Detroit River and Rouge River Watershed in Southeast Michigan. Continuing implementation, including design and construction of projects that occurred during calendar year 2018, will lead to elimination of additional CSOs in future years. Further examples of this are summarized in the '2018 CSO Progress Report' section below.

The Detroit Wastewater Treatment Plant (WWTP) (also known as: Great Lakes Water Authority [GLWA], Water Resource Recovery Facility [WRRF]), through implementation of their LTCP, greatly influences statewide data. Prior annual reports, based upon the fact that discharges from a GLWA outfall (050A) receive primary treatment through the GLWA plant but lack disinfection, characterized these discharges as primary treated excess flow without disinfection (i.e., not untreated). EGLE has reconsidered how this discharge should be classified. Because 050A does not currently receive disinfection, it poses a greater public health concern than discharges from RTBs that provide disinfection. Therefore, beginning with the 2013 annual report, it was decided that it is appropriate to group the discharge from outfall 050A with discharges from untreated CSOs in the pie chart in Figure 2 and in Figure 7.

Figure 1: Discharge in MG from GLWA Outfall 050A per year

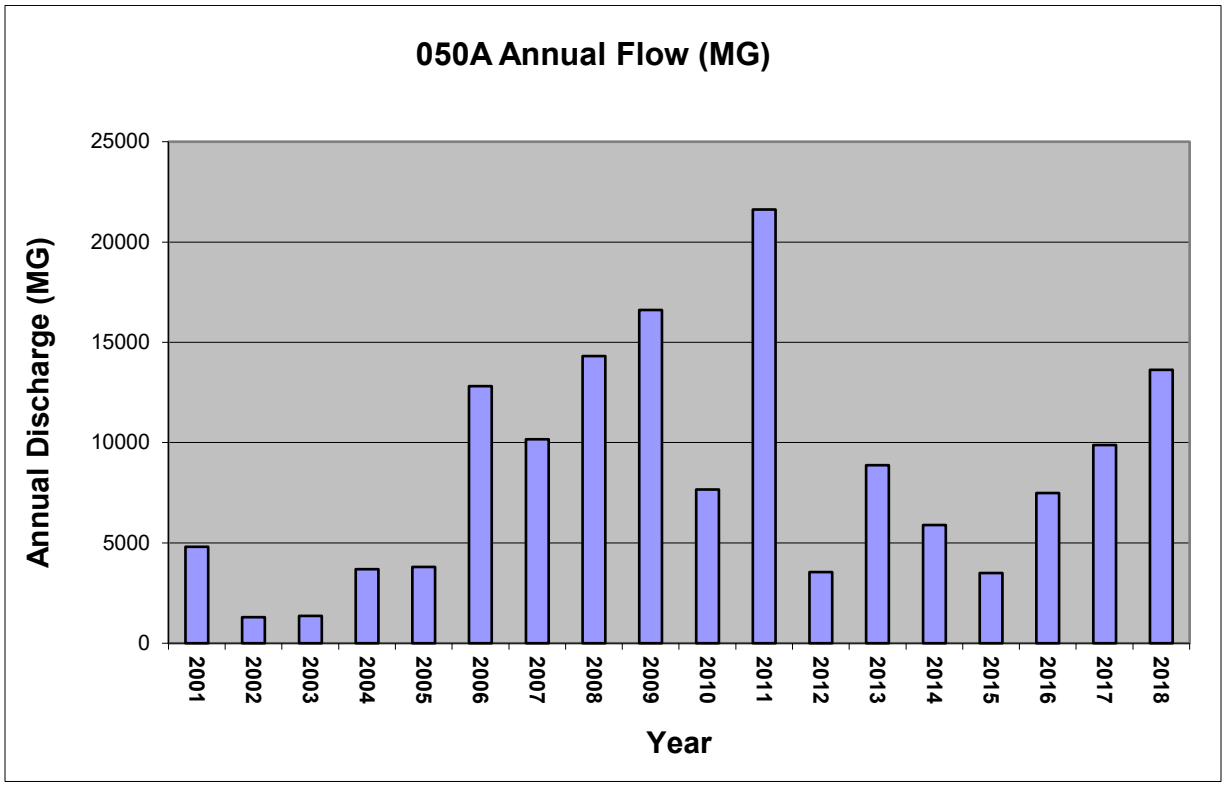


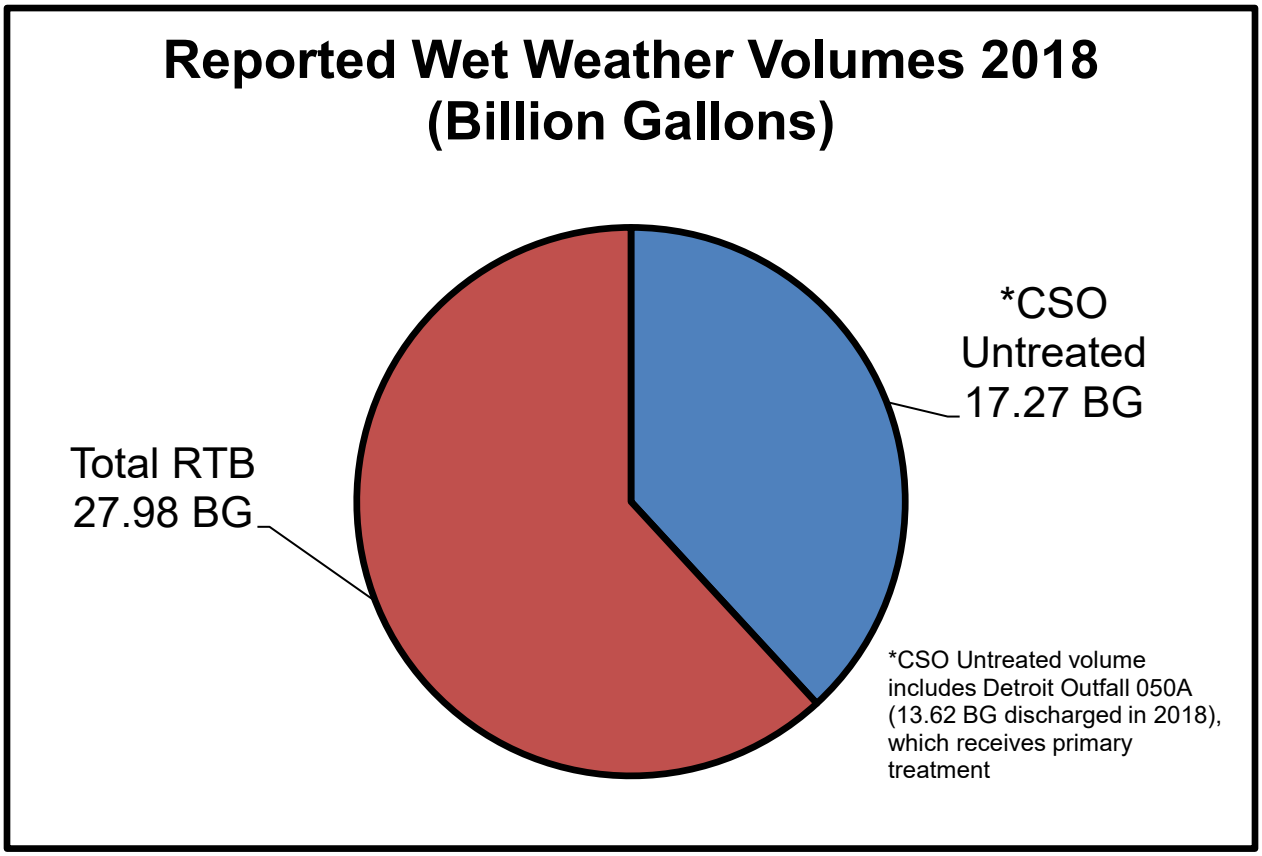
Figure 1 illustrates that the completion of the LTCP component of Detroit's program has successfully reduced CSOs. Former CSO flow that was discharged into the Rouge and Detroit Rivers through CSO outfalls is now treated at the GLWA WRRF using preliminary and primary treatment. This partially treated flow is discharged into the Rouge River through Outfall 050A. As Figure 1 indicates, average annual discharge from 050A for the years 2006 thru 2018 was nearly 10,500 MG per year (10.5 billion gallons). Considering the annual discharge from outfall 050A from 2000-2004 was approximately 2,500 MG/year (2.5 billion gallons), this represents an increase of nearly 8 billion gallons per year, on average, of partially treated combined sewage that was previously untreated, hence a corresponding decrease of upstream CSOs. This was due to the completion of the 2005 LTCP project component (that included the addition of the two large clarifiers). The Detroit LTCP further requires disinfection and dechlorination of this flow to be completed by April 1, 2019, after which public health will be fully protected.

<u>What Data Does the Detailed CSO and RTB Report (Appendices E & F) Contain?</u>

The data contained in the appended CSO and RTB Reports was reported (as required by law) to EGLE by the responsible parties. During the report period from January 1, 2018, through December 31, 2018, there were 358 events reported for a total volume of approximately 45.25 billion gallons. It is noteworthy that a significant portion of this total volume, approximately 27.98 billion gallons, represents treated discharge from RTBs or equivalent structures that, in addition to settling and skimming, have been disinfected to protect the public health in compliance with the water quality standards (WQS) for discharges containing human

sewage (i.e., R 323.1062 of the Part 4 Rules). Finally, 13.62 billion gallons represents partially treated discharge from the Detroit WWTP Outfall 050A; this volume received full primary treatment without disinfection. As described above, the 2018 report classifies discharges from Outfall 050A into the untreated CSO discharge category in the pie chart below.

Figure 2: Reported Wet Weather Volumes from CSOs and RTBs (2018)



Combined Sewer Overflow (CSO) Summary Report

January 1, 2018 - December 31, 2018

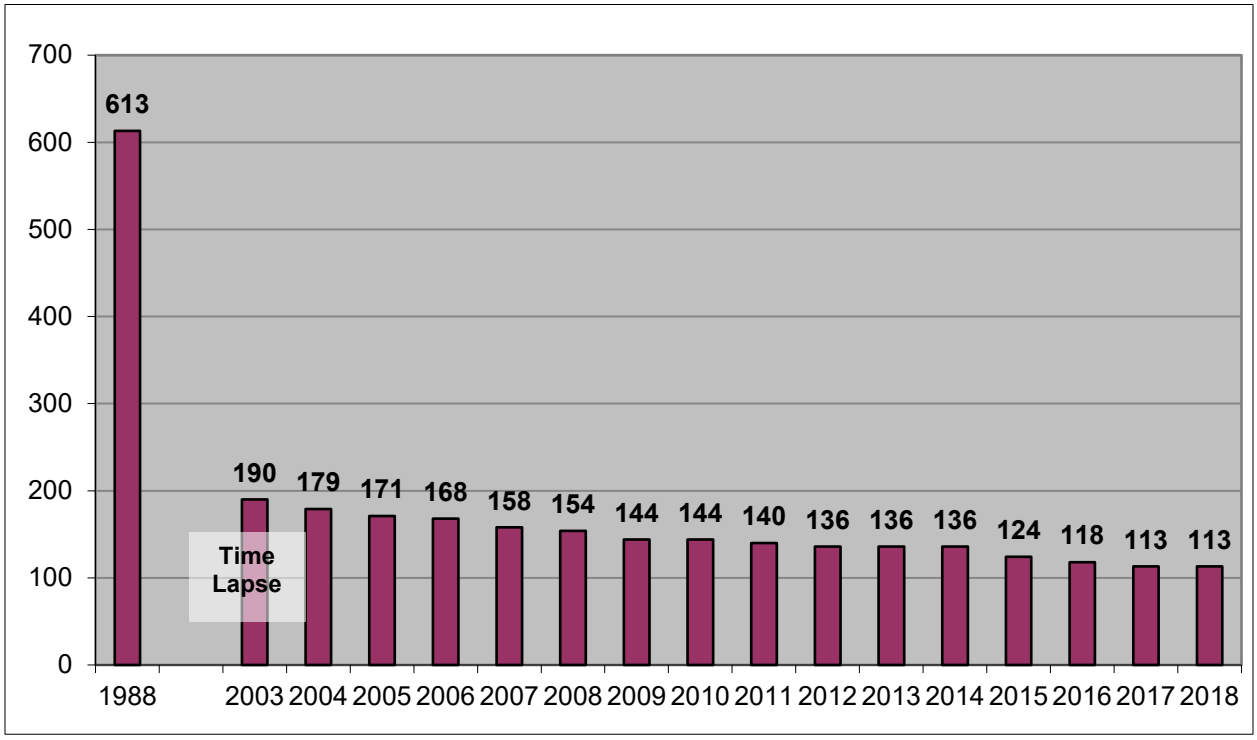
Entity Name	Untreated Volume (MG)	Partially Treated Volume (MG)	Treated Volume (MG)	Reported Events	County	Appendix Pages
Great Lakes Water Authority WRRF	1,922	13,623	21,379	45	Wayne	E-413, F-68
Dearborn CSO	845		611	56	Wayne	E-287, F-56
Lansing WWTP	343		71.2	35	Ingham	E-5, F-19
Southgate / Wyandotte CSO RTF	267.2		1,711	23	Wayne	E-587, F-140
Wayne Co/Inkster/Dearborn Hts CSO	48.5			8	Wayne	E-609
Wayne Co/Redford/Livonia CSO	48.07		21.45	7	Wayne	E-613, F-156
Wayne Co/Inkster CSO	42.3	61.0	31.2	13	Wayne	E-599, F-154
Redford Township CSO	28.67			5	Wayne	E-585
Wayne Co/Dearborn Heights CSO	23.19		53.78	8	Wayne	E-591, F-152
St. Joseph CSO	12.92			9	Berrien	E-1
Port Huron WWTP	1.36			56	St Clair	E-267
Niles WWTP	0.212			1	Berrien	E-1
Manistique WWTP	0.160			1	Schoolcraft	E-266
George W Kuhn Dr Dist CSO RTB			1,668	10	Oakland	F-44
Saginaw WWTP			380	6	Saginaw	F-30
Bay City WWTP			278	5	Bay	F-1
Milk River CSO RTB			604	16	Wayne	F-128
Saginaw Township WWTP			167	5	Saginaw	F-42
North Houghton Co W&SA CSO			71	6	Houghton	F-12
Chapaton RTB			350	9	Macomb	F-23
Iron Mountain / Kingsford WWTP			39.3	5	Dickinson	F-9
East Lansing WRRF			60.2	3	Ingham	F-18
River Rouge CSO RTB			83.5	7	Wayne	F-136
Birmingham CSO RTB			57.4	4	Oakland	F-35
Bloomfield Village CSO RTB			76.1	4	Oakland	F-36
Oakland Co - Acacia Park CSO RTB			68.0	5	Oakland	F-38
Martin RTB			140.4	4	Macomb	F-32
Grand Rapids WRRF			62	2	Kent	F-21
TOTAL	**3,582**	**13,684**	**27,984**	**358**		

How Does 2018 Compare to Previous Years?

This report provides trend data through three measures: number of uncontrolled CSO outfalls eliminated per year, number of overflow events per year, and volume of discharge per year.

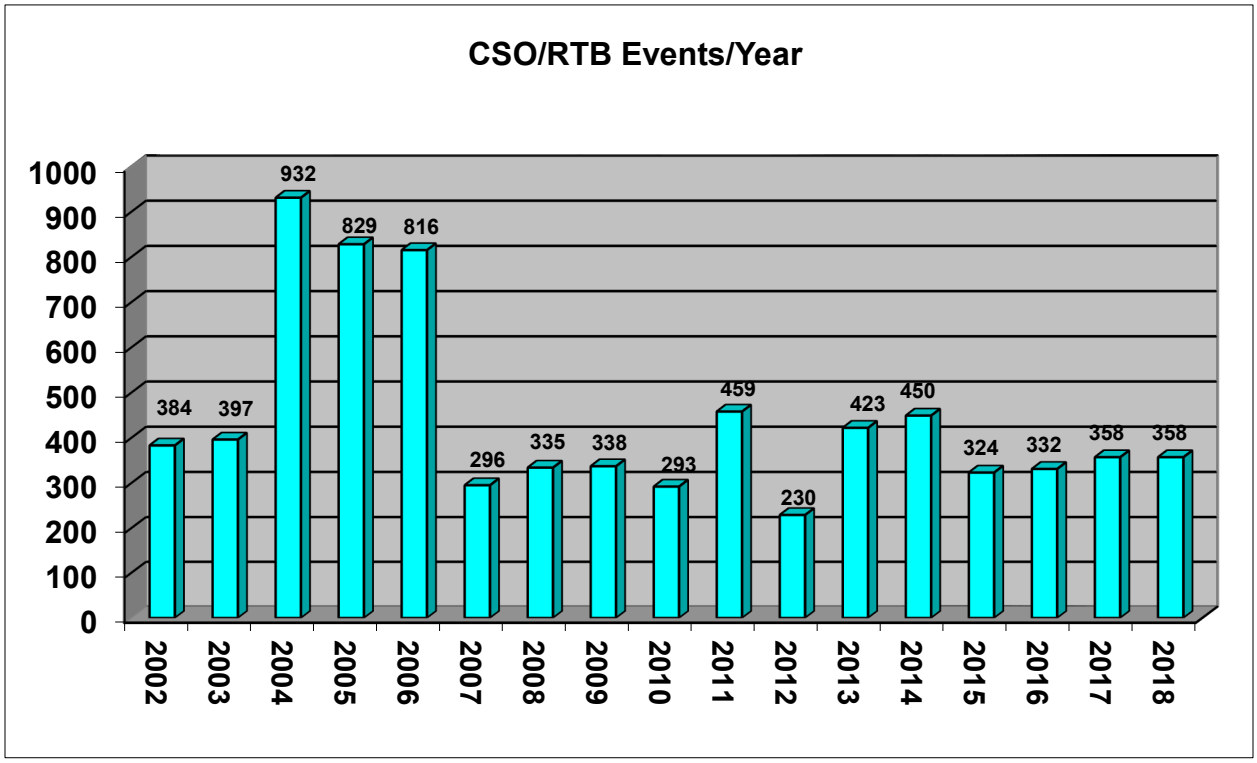
Michigan communities have eliminated more than 80 percent of the 613 uncontrolled CSO outfalls that existed in 1988, and the remaining 20 percent are scheduled for elimination through implementation of LTCPs. On average, since 2003, there have been approximately five CSO outfalls eliminated or redirected to RTBs per year (Figure 3).

Figure 3: Number of Uncontrolled CSO Outfalls by Year



In general, with respect to the number of uncontrolled CSO overflow and RTB discharge events, an event refers to the storm that caused the discharge, even if it is from multiple outfalls (so outfalls are grouped for the purposes of counting an event). This inconsistent reporting methodology was the basis for the relatively high number of events in 2004 to 2006. This reporting methodology was made consistent in the 2007 annual report. In 2018 there were 358 overflow events.

Figure 4: Number of Reported CSO and RTB Discharge Events/Year (Years 2004 – 2006 Explained Above)



Total volume is also an indicator of success with respect to CSO control, because even a negligible volume of overflow triggers an "event" to be registered consistent with statute. Annual precipitation level variances directly affect the total overflow volume. As with previous years, the total CSO and RTB discharge volume for calendar year 2018 (45,250 MG, Figure 5), reflects the annual precipitation rates (Figure 6), and note the higher rate in Southeast Michigan where a significant amount of the CSO volume is generated.

Figure 5: Total CSO, RTB, and Related Wet Weather Discharges Reported Volume (MG/Year)

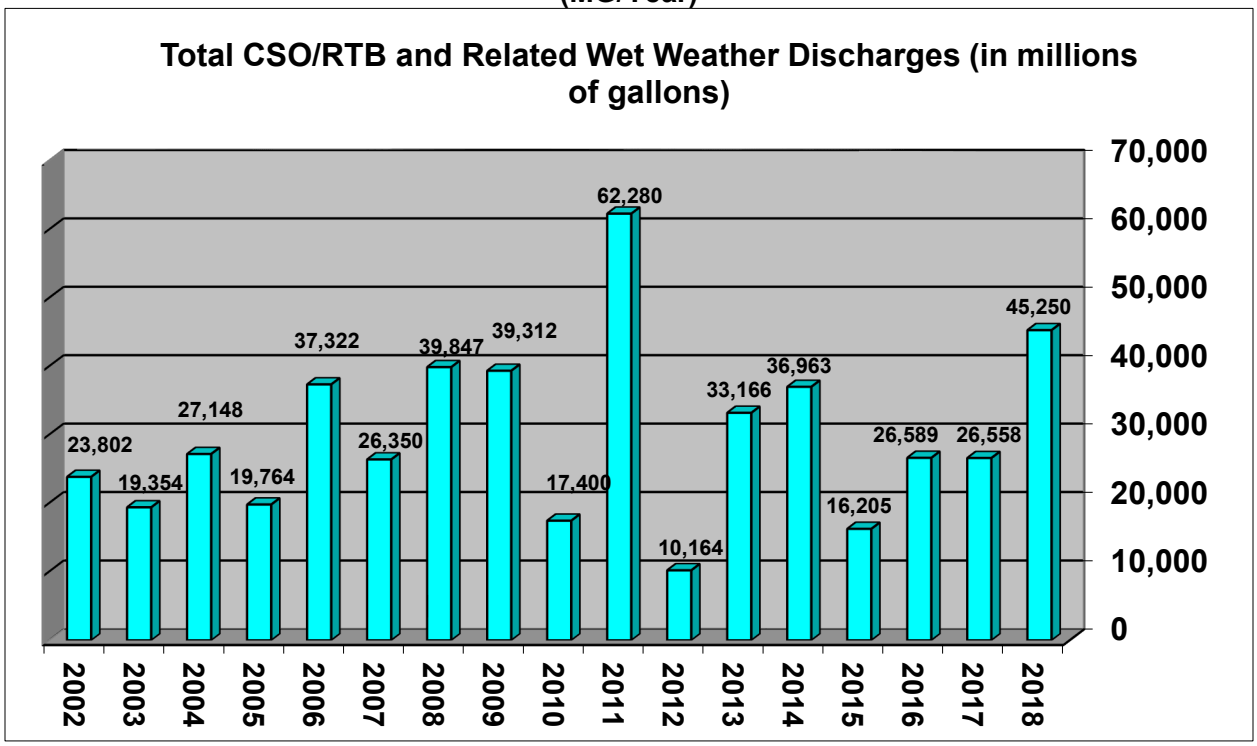
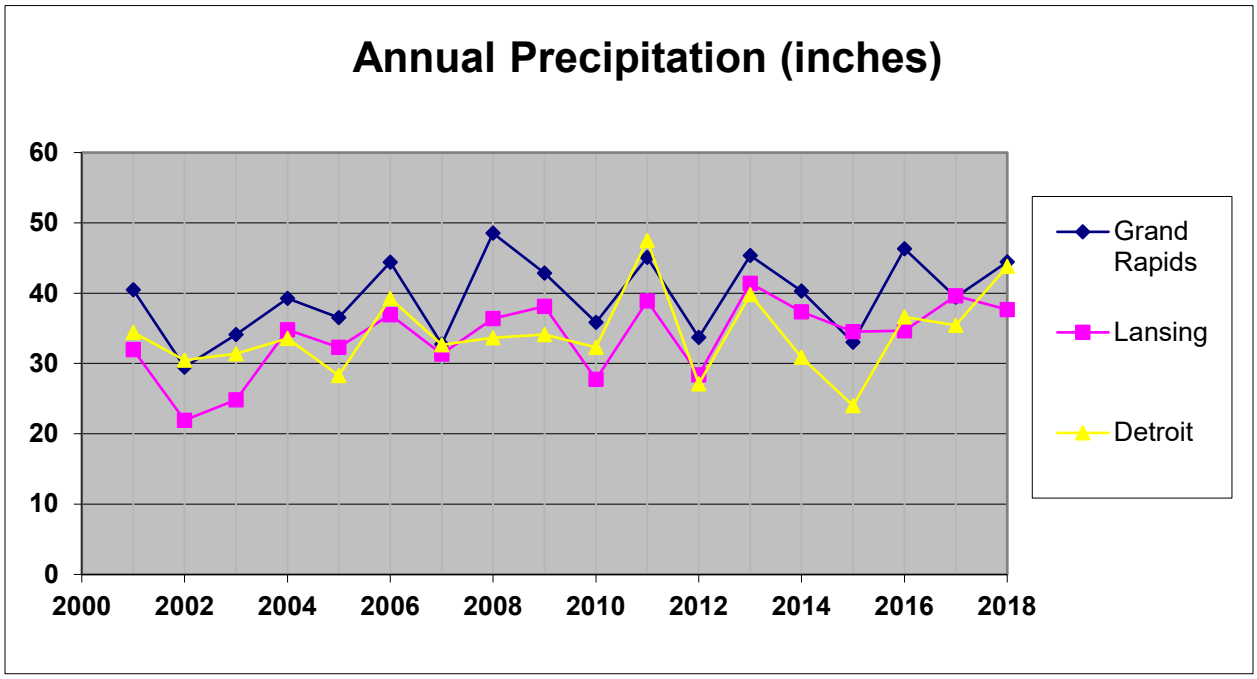
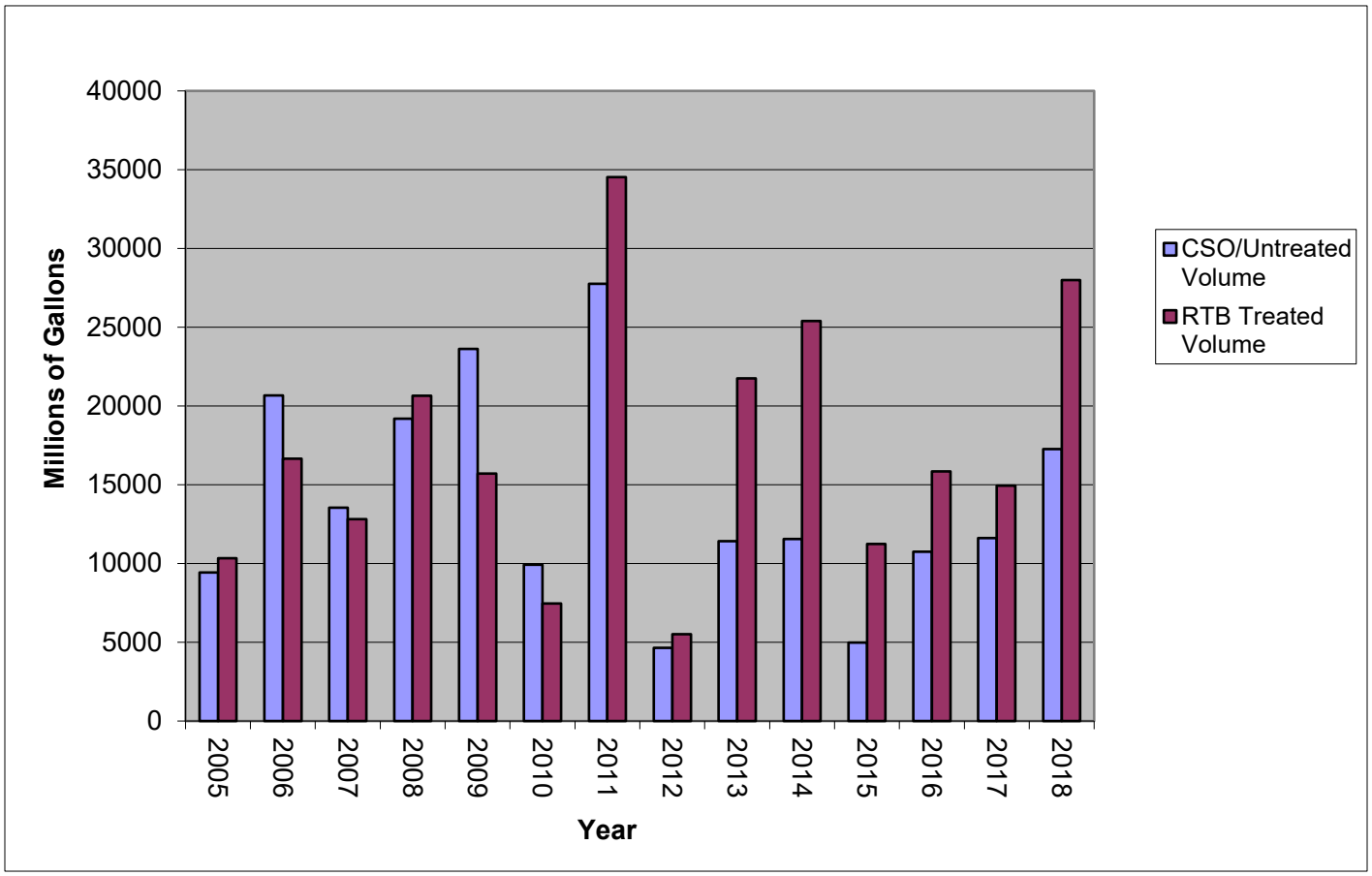


Figure 6: Annual Precipitation (Inches) for Various Michigan Cities/Year



More important, in terms of volume trends, is the volume of CSO discharges versus the volume of discharge from RTBs. This is because the goal of the LTCP is to provide adequate treatment of CSO overflows to meet WQS through treatment at an RTB. When comparing annual volume of CSO discharges to the volume of treated RTB, statewide progress is evident (Figure 7). It is expected that as LTCPs are implemented, the component of the total overflow volume, that is the treated RTB volume, will continue to increase in the coming years.

Figure 7: CSO/Untreated and RTB Volume (MG per Year)



2018 CSO Progress Report

The summaries below illustrate some statewide projects aimed at controlling CSO discharges. These examples further demonstrate the ongoing progress that communities are making toward achieving the goals of the state and federal CSO programs.

- Great Lakes Water Authority (GLWA)/Detroit Water and Sewerage Department (DWSD)

  The city of Detroit has made significant progress implementing the LTCP that was first submitted in 1996. Revisions to the LTCP plans and scheduled projects were made and included in the 2003 National Pollutant Discharge Elimination System (NPDES) Permit, the 2007 NPDES Permit, and the 2013 NPDES Permit. To date, well over $1.4 billion has been spent on the control of CSO discharges from Detroit outfalls.

  Detroit's LTCP has focused on: (1) bringing as much wet-weather flow as is feasible to the WWTP for treatment; flows receive secondary treatment up to the capacity of the secondary units, and primary treatment for higher flows up to the capacity of the primary facilities; (2) using in-system storage in the combined collection system; and (3) storing/treating priority CSOs in the collection system using RTBs and screening and disinfection facilities.

  Significant progress to-date includes completion of:

  - Additional facilities at the WWTP that have increased the capacity to treat combined wet-weather flows to primary treatment levels as required by the NPDES Permit.
  - Five CSO Storage/Treatment Facilities along the Rouge River.
  - Four CSO Storage/Treatment Facilities along the Detroit River peak.
  - Six in-system storage gates at CSO outfalls along the Rouge River.
  - Thirteen in-system storage devices within the collection system.
  - Rehabilitation of pump stations and regulators along the Detroit River.
  - Completion of additional control facilities or elimination of outfalls for five CSOs in the lower Rouge River.

  Wet-weather flow that is discharged from the Rouge River Outfall (RRO) is treated using preliminary and primary treatment, but is not disinfected. Completion of the RRO Disinfection Project in April 2019 allowed all excess wet-weather flow to be fully disinfected and dechlorinated. Additionally, with the completion of the RRO Disinfection Project, GLWA/DWSD has completed its core CSO correction program. It is estimated that the completed CSO controls will provide treatment for about 95 percent of the annual wet-weather volume generated in Detroit and around 90 percent or more of the previously-discharged untreated CSO volume from the city of Detroit.

  The NPDES Permit includes Green Infrastructure (GI) requirements in both the Upper Rouge area of the Rouge District and also the near east-side area of the Central District. The DWSD is required to spend an average of $3 million per year during the life of this permit on GI, along with a performance goal of removing 2,800,000 gallons of storm water from getting into the combined sewer system at the 2-year, 24-hour event. Additionally, requirements to build grey infrastructure have been removed from the current permit and replaced with an evaluation of potential GI projects and the

associated flow reductions that may be achieved. There is potential for extensive GI implementation based on the large amounts of vacant land in this area.

- City of Lansing

  An Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under an adaptive management approach.

- City of Wakefield

  The city has completed phase IV of the sewer upgrade projects, and the reissued NPDES Permit requires a project performance certification (PPC) to demonstrate transmission capacity within flows created at the 25-year, 24-hour event. The city was awarded $0.613 million for wastewater asset management planning to further study potential inflow and infiltration sources. Approximately $21 million in grants and loans from the United States Department of Agriculture Rural Development ($15 million), the United States Army Corps of Engineers ($6 million), the MDEC ($0.2 million), and user fees from the citizens of Wakefield were used to eliminate the CSOs to Planter Creek in 2015. After the CSOs were eliminated, *E. coli* geometric mean concentrations declined substantially (year 2015 study) in Planter Creek from 338 to 39 colony-forming units/100 mL (88 percent) at Wertanen Road and 258 to 148 CFUs/100 milliliter (mL) (43 percent) at Thomaston Road. Planter Creek now meets the state's partial body contact recreation criteria of 1,000 CFUs/100 mL but does not yet meet the full body contact criteria of 300 CFUs/100 mL. EGLE intends to delist the creek for partial body contact recreation in the 2018 Integrated Report.

- North Houghton County Water and Sewer Authority

  The North Houghton County Water and Sewer Authority has constructed a third equalization basin to capture spring melt flows and substantial storm events and redirect from the two combined sewer outfalls (St. Louis and Hammell Creeks). The Authority was awarded approximately $0.822 million for sanitary asset management planning to further study potential inflow and infiltration sources and to prioritize sewer upgrade projects.

- City of Grand Rapids

  The city has completed all construction activities necessary to complete their LTCP. This includes elimination of all untreated CSO outfalls. The city is conducting a verification PPC as required by their NPDES Permit, which will confirm that the construction activities associated with the LTCP have met state and federal requirements for CSO separation. The city continues to proactively maintain the sewer system to minimize discharges resulting from pipe blockages, etc.

- City of Dearborn

  In the late 1990s the city of Dearborn began implementing a CSO project with a construction of an underground tunnel. The execution of the project was unsuccessful because of a groundwater condition. Since then, a study was performed to embark on a joint tunnel project with Detroit, which did not come to fruition.

  CSO control with construction of a treatment shaft (sinking caisson) concept was implemented between 2004 and 2010. The construction contracts for the six treatment shafts were bid out. The construction at three of the treatment shafts was successfully completed. Two treatment shaft locations have failed due to construction issues and have since been backfilled and abandoned. Another treatment shaft has issues with ground water, and an alternate design is in progress. The city of Dearborn has spent approximately $270 million thus far for the caissons projects and approximately $30 million for the failed tunnel project.

  In 2009 the city of Dearborn made a decision to forego the treatment shaft concept and aggressively embarked on sewer separation projects. Since 2009, the city has constructed more than 105,000 feet of new storm and sanitary sewers to separate wastewater from storm water at a cost of approximately $95 million.

- Wayne County Rouge Valley Sewage Disposal System

  Wayne County's Rouge Valley Sewage Disposal System (RVSDS) serves 13 communities in Wayne County and two communities in Oakland County. The RVSDS originally had 58 uncontrolled CSO outfalls listed in various NPDES Permits issued to Wayne County and individual communities. Of these, 38 outfalls were eliminated by either sewer separation or by diverting the flows to new retention treatment basins. Currently, 20 of these outfalls are uncontrolled. In accordance with schedules in the NPDES Permits, the remaining uncontrolled CSO outfalls are scheduled to be eliminated by October 1, 2025.

  Also, in accordance with Wayne County's Final Orders of Abatement, Wayne County completed their Short-Term Corrective Action Program in 2012 at an estimated cost of $21 million, which involved pipeline and siphon improvements, CSO regulator improvements, an uncontrolled CSO elimination, manhole rehabilitation, and comfort station improvements. Wayne County's upcoming Long-Term Corrective Action Program is scheduled to be completed by December 30, 2022, while the individual communities will be coordinating with Wayne County to complete all remaining sewerage system improvements by the October 1, 2025, deadline.

- Milk River Retention Treatment Basin

  An ACO was agreed to by EGLE and the Wayne County Drain Commissioner, signed and issued on February 7, 2014, covering upgrades to the Milk River RTB. These include upgrades to the automated flushing/dewatering system, the river recirculation system, aeration system, pumping systems, disinfection system, and other necessary repairs. The construction began in 2016 at a cost of $16 million.

- Martin Retention Treatment Basin

  The reissued NPDES permit issued in September 2019 reclassifies this RTB as treating wet weather flow from a combined system. When this RTB was first constructed, it was classified as a facility that stored and treated flow from a system that was regulated as combined. In the mid-2000s, EGLE evaluated the percentage of the tributary area that was served by separated sanitary sewers and combined sewers. The level of separate sanitary sewers moved past a level that EGLE then saw as significant (90 percent) and made a policy decision to then reclassify this facility as a treatment facility serving a separate sanitary system. Over the last decade, EGLE has reevaluated this decision that proved to not provide a greater degree of treatment from the RTB, nor encourage the permittee to further separate their sewers. EGLE has decided to reclassify this RTB as a facility that stores and treats combined sewage, as it was originally designed.

2018 PROGRESS: SANITARY SEWER OVERFLOWS

Did We Make Progress in 2018?

During calendar year 2018, low interest loan funding was awarded for many projects through the SRF to address system reliability and SSOs. A number of other communities also completed planning efforts with state previously awarded grant funds to determine the necessary remedial measures to address SSO problems, with the intent of seeking future SRF or other funding to complete the necessary construction. Examples of projects aimed at controlling SSOs are summarized in the '2018 SSO Progress Report' section below.

What Data Does the Detailed SSO Report (Appendix G) Contain?

The data contained in the attached Detailed SSO Report (Appendix G) was reported (as required by law) to EGLE by the responsible entities. During the report period from January 1, 2018, through December 31, 2018, there were 302 events reported for a total SSO volume of approximately 889 MG (see Figures 8 and 9). SSOs for the past year are summarized and listed by volume in the following table.

Sanitary Sewer Overflow (SSO) Summary Report

January 1, 2018 - December 31, 2018 (by Volume)

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
Martin RTB	456	6	Macomb	G-117
Lincoln Park CM	153.8	4	Wayne	G-207
Lansing CM	38.5	6	Ingham	G-73
Wayne Co CM	32.5	3	Wayne	G-216
Southfield CM	22.2	2	Oakland	G-155
Dearborn CSO	20.1	6	Wayne	G-202
East Lansing CM	19.4	1	Ingham	G-72
Lowell CM	19.1	1	Kent	G-99
Buena Vista Twp WWTP	18.4	2	Saginaw	G-170
Grosse Ile Twp WWTP	17.1	5	Wayne	G-205
Wayne CM	16.0	1	Wayne	G-216
Manistee WWTP	15.2	12	Manistee	G-123
Farmington CM	12.3	3	Oakland	G-144
Evergreen-Farmington CM (Oakland Co)	8.97	5	Oakland	G-139
Grand Ledge CM	6.45	1	Eaton	G-40
Melvindale CM	5.70	2	Wayne	G-210
Western Townships Utilities Authority	3.65	8	Washtenaw	G-191
Davison CM	3.18	2	Genesee	G-46
St Johns CM	2.18	1	Clinton	G-36
Allen Park CM	2.15	3	Wayne	G-199
Beecher Metro District CM	2.00	1	Genesee	G-44
Marysville CM	1.50	1	St. Clair	G-180
Troy CM	1.43	2	Oakland	G-156
Elberta CM	1.12	1	Benzie	G-9
Lexington CM	0.975	2	Sanilac	G-173
Rouge Valley Sewage Disposal System CM	0.740	3	Wayne	G-212
Lakewood WW Auth CM	0.649	3	Ionia	G-80
Shelby Township CM	0.646	2	Macomb	G-121
Portage Lake Authority WWTP	0.576	1	Houghton	G-70
Hancock CM	0.500	1	Houghton	G-67
Owosso CM	0.500	1	Shiawassee	G-177
Howell CM	0.387	1	Livingston	G-111
Saline CM	0.375	1	Washtenaw	G-190
Rockwood WWTP	0.370	1	Wayne	G-211
Corunna CM	0.365	1	Shiawassee	G-175
Wakefield CM	0.360	1	Gogebic	G-56
Ann Arbor CM	0.307	4	Washtenaw	G-186

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
New Buffalo Township CM	0.304	3	Berrien	G-18
Lake Charter Township CM	0.228	5	Berrien	G-14
YCUA Regional WWTP	0.224	1	Washtenaw	G-197
Flushing CM	0.210	1	Genesee	G-47
Wheatland Township CM	0.200	1	Mecosta	G-133
Dewitt CM	0.187	2	Clinton	G-35
East China Township CM	0.186	2	St. Clair	G-179
St Joseph CM	0.155	4	Berrien	G-24
Coloma Township CM	0.105	1	Berrien	G-13
Concordia Lutheran Junior College	0.105	1	Washtenaw	G-188
Birmingham CSO RTB	0.100	1	Oakland	G-138
Warren WWTP	0.100	1	Macomb	G-122
Byron-Gaines Utility Authority CM	0.0960	1	Kent	G-92
Clinton Township CM	0.0700	1	Macomb	G-116
Chikaming Township CM	0.0694	3	Berrien	G-11
SW MI Regional SS & Water Auth CM	0.0610	2	Berrien	G-22
Grand Haven Township CM	0.0600	1	Ottawa	G-164
Houghton CM	0.0600	1	Houghton	G-67
Hillsdale CM	0.0553	3	Hillsdale	G-64
Bellevue CM	0.0500	1	Eaton	G-39
Benton Harbor CM	0.0500	1	Berrien	G-10
Niles CM	0.0500	3	Berrien	G-21
Petoskey CM	0.0500	1	Emmet	G-43
Novi CM	0.0470	1	Oakland	G-148
New Buffalo CM	0.0386	3	Berrien	G-18
Ironwood Charter Township CM	0.0378	1	Gogebic	G-56
Farmington Hills CM	0.0375	3	Oakland	G-145
Genesee County Historic SSOs	0.0360	1	Genesee	G-49
East Jordan CM	0.0303	2	Charlevoix	G-31
Bear Creek Township CM	0.0300	1	Emmet	G-42
Battle Creek CM	0.0270	2	Calhoun	G-26
Manchester CM	0.0250	1	Washtenaw	G-188
Independence Township CM	0.0150	1	Oakland	G-147
Michigamme Township CM	0.0150	1	Marquette	G-131
Grand Traverse County DPW	0.0108	2	Grand Traverse	G-58
Byron-Shiawassee Co CM	0.0100	1	Shiawassee	G-175
Diamond Glen Condominium	0.0100	1	Livingston	G-110
KI Sawyer WWTP-Marquette Co	0.0100	1	Marquette	G-130
Chester Township CM	0.00900	1	Ottawa	G-163

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
Midland CM	0.00900	2	Midland	G-134
S Huron Valley UA WWTP	0.00855	2	Wayne	G-214
Lake Odessa CM	0.00820	1	Ionia	G-79
Jefferson Township CM-Hillsdale Co	0.00800	1	Hillsdale	G-65
Comstock Township CM	0.00630	1	Kalamazoo	G-89
Columbia Township CM	0.00600	1	Jackson	G-86
Sparta CM	0.00600	2	Kent	G-100
Benton Harbor-St Joseph WWTP	0.00500	1	Berrien	G-11
Mount Morris Township CM	0.00500	1	Genesee	G-53
Portland CM	0.00500	1	Ionia	G-82
Rochester CM	0.00500	1	Oakland	G-154
Grand Rapids CM	0.00475	9	Kent	G-94
Fairfield Twp WWSL-Jasper	0.00400	1	Lenawee	G-107
North Houghton Co W&SA CSO	0.00350	1	Houghton	G-69
Oakland Co-Pontiac WWTP	0.00337	4	Oakland	G-149
Kalamazoo CM	0.00311	5	Kalamazoo	G-89
Royal Scot Golf Course Expansion	0.00300	1	Clinton	G-36
Cass Co-Lakes WW Collection	0.00250	2	Van Buren	G-184
GRSD Sewer Authority WWTP	0.00240	1	Berrien	G-13
Carlton Township CM	0.00200	1	Barry	G-4
Fort Gratiot Township CM	0.00200	1	St. Clair	G-180
Spring Arbor Township CM	0.00200	1	Jackson	G-87
Oakland Township CM	0.00180	1	Oakland	G-151
Burr Oak CM	0.00150	1	St. Joseph	G-182
Constantine CM	0.00150	1	St. Joseph	G-183
Genesee Charter Township CM	0.00150	1	Genesee	G-49
BASF-Wyandotte	0.00141	3	Wayne	G-200
Traverse City CM	0.00132	8	Grand Traverse	G-59
Oxford Township CM	0.00120	2	Oakland	G-152
Southwest Barry Co SWA CM	0.00118	4	Barry	G-5
Holland CM	0.00110	4	Ottawa	G-164
Rosebush CM	0.00110	2	Isabella	G-84
Alpena Township CM	0.00100	2	Alpena	G-1
Livonia CM	0.00100	1	Wayne	G-209
Marquette CM	0.00100	1	Marquette	G-130
Mt Clemens CM	0.00100	1	Macomb	G-120
Northfield Township CM	0.00100	1	Livingston	G-113
Pontiac CM	0.00100	1	Oakland	G-153
Williamston CM	0.00100	1	Ingham	G-78

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
Ypsilanti Township CM	0.00100	1	Washtenaw	G-197
Jamestown Township CM-Ottawa Co	0.00098	2	Ottawa	G-166
Caledonia Township CM-Kent Co	0.00090	3	Kent	G-93
Brighton Township CM	0.00075	2	Livingston	G-109
Croswell WWTP	0.00075	1	Sanilac	G-172
Shelby WWTF	0.00060	1	Oceana	G-161
Commerce Township CM	0.00055	1	Oakland	G-139
Kentwood CM	0.00053	1	Kent	G-97
Hamburg Township CM	0.00050	1	Livingston	G-110
Joc-Huntmore Estates Condo	0.00050	1	Livingston	G-112
Keweenaw Co-Mt H Greeley WWSL	0.00050	1	Keweenaw	G-103
Wyoming CM	0.00050	1	Kent	G-101
Covert CM	0.00035	1	Van Buren	G-185
Delhi Township CM	0.00030	1	Ingham	G-71
Shelby CM	0.00030	1	Oceana	G-160
Trowbridge Mobile Home Park - Otsego	0.00030	1	Otsego	G-162
Tuscarora Twp CM	0.00030	1	Cheboygan	G-34
General Motors LLC - Flint Engine Operations	0.00028	1	Genesee	G-48
GM Flint Complex	0.00028	1	Genesee	G-53
Leoni Township CM	0.00025	1	Jackson	G-87
Evangeline Township CM	0.00020	1	Charlevoix	G-32
Lake Leslie WWTP	0.00020	1	Shiawassee	G-176
MDOC - Woodland Center Correctional Facility	0.00020	1	Livingston	G-112
Scio Township CM	0.00020	1	Washtenaw	G-190
Boyne City CM	0.00016	4	Charlevoix	G-29
Marshall CM	0.00015	1	Calhoun	G-27
Northport WWTP	0.00015	1	Leelanau	G-105
Muskegon Co CM	0.00012	2	Muskegon	G-136
Alpena CM	0.00010	1	Alpena	G-1
Cambridge Township CM	0.00010	1	Lenawee	G-107
Cassopolis CM	0.00010	1	Cass	G-28
Charlevoix CM	0.00010	1	Charlevoix	G-29
Denton Township CM	0.00010	1	Roscommon	G-169
Leland Township CM	0.00010	1	Leelanau	G-105
Orchard Lake Village CM	0.00010	1	Oakland	G-151
Spring Lake Village CM	0.00010	1	Ottawa	G-167
River Ridge MHC/Condos-Saline	0.00006	1	Washtenaw	G-189
Beulah CM	0.00005	1	Benzie	G-8

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
Johnson-Gpj/phase 2 Expansion	0.00005	1	Oakland	G-147
Norway CM	0.00005	1	Dickinson	G-38
Rochester Hills CM	0.00005	1	Oakland	G-154
Deerfield Pines MHC	0.00003	1	Lapeer	G-104
Whitehall CM	0.00003	1	Muskegon	G-137
Sylvan Glen Mobile Estates	0.00002	2	Livingston	G-114
Tyrone Township CM	0.00002	1	Genesee	G-54
Delta Township CM	0.00001	1	Eaton	G-39
GM-Lansing Grand RV Assembly	0.000001	1	Ingham	G-72
Bessemer CM	Unspecified	2	Gogebic	G-55
Filer Township CM	Unspecified	1	Manistee	G-123
Flint CM	Unspecified	1	Genesee	G-47
Meijer-Lansing Distribution	Unspecified	1	Eaton	G-41
Total	**889**	**302**		

How Does 2018 Compare to Previous Years?

A summary of the number of annual SSO events and the annual discharge volume for the past seventeen years are represented below.

Figure 8: Number of SSO Events/Year

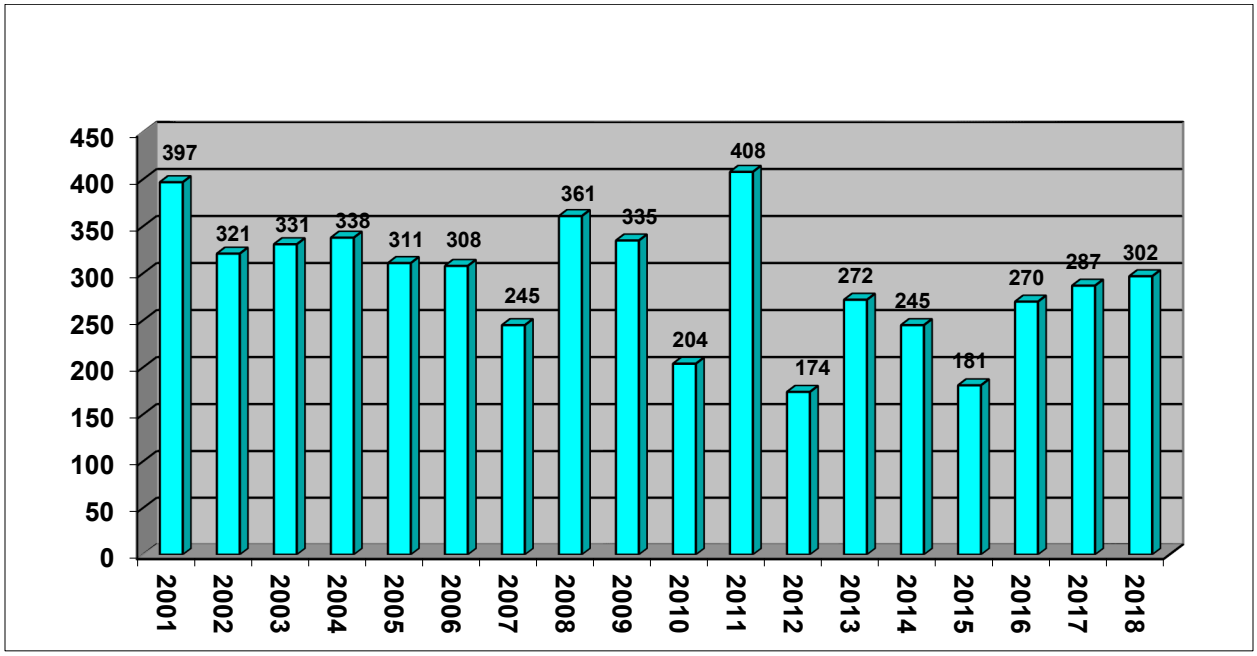
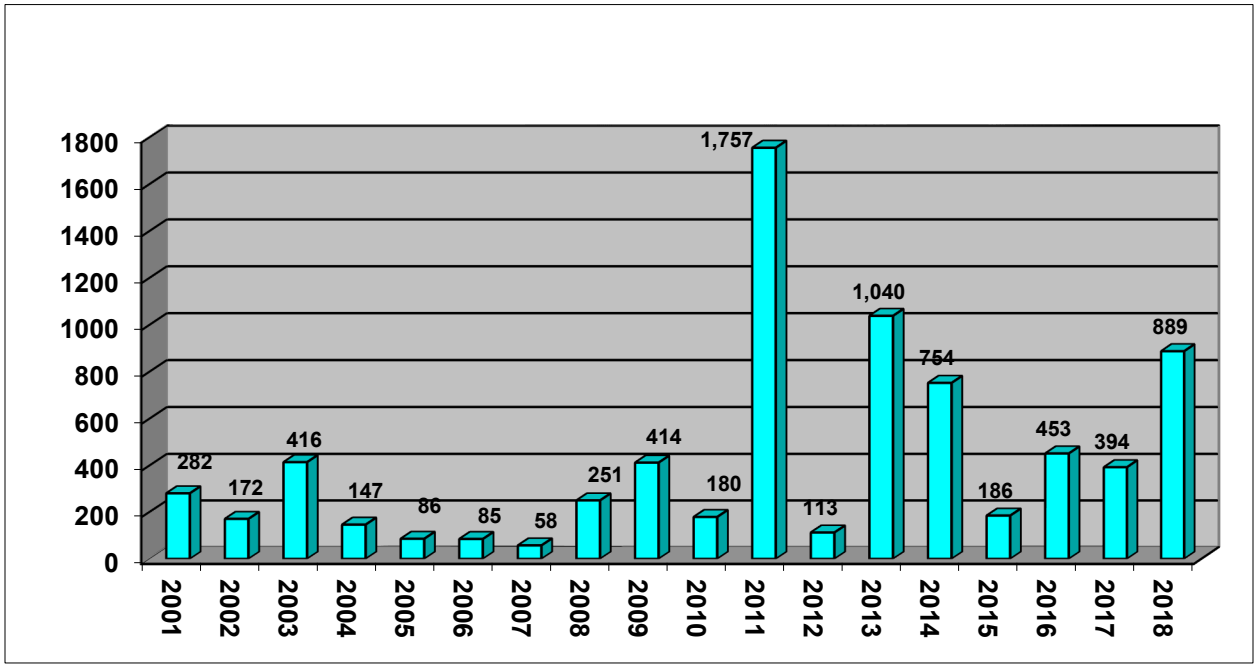


Figure 9: SSO Total Volume/Year (in Millions of Gallons)



As discussed in the CSO/RTB section, above average precipitation totals in 2018 resulted in a marked increase in discharges compared to the relatively dry years, such as 2015.

EGLE continues to review SSO events to determine where corrective actions are needed to ensure that sewer systems are able to handle a 25-year, 24-hour storm event without having SSOs, in accordance with EGLE's SSO Policy Statement and Clarification Statement.

2018 SSO Progress Report

The summaries below illustrate some statewide projects aimed at controlling SSO discharges. These examples further demonstrate the ongoing progress that communities are making toward achieving the goals of the state SSO Program and complying with associated state and federal laws.

- Macomb Interceptor Drain (MID)

  In December 2016 a section of the 11-foot diameter interceptor of the MID collapsed in the city of Fraser. The collapse severely restricted the capacity of the interceptor, resulting in an SSO to prevent sewage from backing up in basements.

  The MID entered into an ACO with EGLE on September 18, 2017. The ACO requires the MID to conduct a detailed inspection of the collection system, which has been completed. Additionally, an inspection report with the schedule of necessary repair work has been conducted and repair work is underway.

- City of Warren

  The city of Warren has a history of SSOs and blending at the WWTP. The city has installed relief sewers to increase the capacity of the collection system. The reissued NPDES Permit requires the city to eliminate SSOs and stop blending at the WWTP, in accordance with the SSO Policy, by October 1, 2021.

  The city has started construction of upgrades to the 9 Mile pump station, additional relief sewers, and a wet weather detention basin to meet EGLE's SSO Policy.

- City of Grand Ledge

  The city completed the upgrades as required by their administrative consent order ACO, which included pump station upgrades and constructing an equalization basin in 2012. The city performed a year of flow monitoring according to their PPC plan to demonstrate the system can meet EGLE's SSO Policy. The PPC demonstration did not certify that the system met necessary requirements, and it was determined that the capacity in the main sewer interceptor was reduced due to the buildup of sediments in the pipe. The sewer interceptor was cleaned in the summer of 2015. The city completed flow monitoring for the second PPC program and is in the process of updating the model with the expectation of positively certifying the effectiveness of their corrections.

- City of Durand

  The city of Durand entered into an ACO with EGLE on July 5, 2017. The previous ACO was terminated. The city has completed all the corrective programs of the ACO, such as upgrading two pump stations and performing 7,000 feet of sewer lining to remove infiltration, inflow, and wet weather flows. The city is currently performing flow

monitoring as part of their Project Performance Certification (PPC) requirements per the ACO. WWTP flows during wet weather have been lower than they have been in past years since the sewer lining has been completed.

- Gogebic-Iron Wastewater Authority (GIWA) WWTP

  This facility has worked to eliminate overflows to the Montreal River and bypassing of secondary treatment process. The GIWA allocates their design capacity of 3.4 million gallons to the contributing municipalities of Ironwood, Michigan (2.46 million gallons per day [MGD]); Hurley, Wisconsin (0.624 MGD); and Ironwood Township, Michigan (0.316 MGD). During the 10-year period from 2001-2010, the annual average flow conveyed to the GIWA WWTP was reduced by 25 percent. Since 2006, the city of Hurley replaced 25,000 feet of sanitary sewer and installed 6,000 feet of sewer lining. During years 2011 and 2012, Ironwood Township completed sewer upgrades with two projects at a cost of $1.5 and $0.3 million, respectively. The city of Ironwood sewer upgrade projects 1-3 since 2010 included over $10 million in improvements. The NPDES Permit requires a PPC to be completed by October 1, 2019, to demonstrate conformance with EGLE's SSO Policy. The city of Ironwood was awarded $0.726 million and Ironwood Township received $0.279 million in SAW funding to evaluate sewer integrity and prioritize upgrades through an asset management program. The city of Ironwood received funding from the United States Department of Agriculture and Rural Development ($1.685 million) for sewer upgrade 4.

- City of Adrian

  The city completed a seven-phase project to reduce extraneous wet-weather flows in the sanitary sewers in the River Interceptor Area. The completed phases included identification of problem areas; supplemental investigations; removal of extraneous sources of flow; redirection of service laterals; manhole restoration and replacement; additional sewer rehabilitation; and design and construction of the replacement sewer in the upper section of the River Interceptor. A PPC confirmed that the system meets EGLE's SSO Policy requirements.

- City of Hillsdale

  The city has struggled with power issues at the WWTP, some of which have resulted in releases to the St. Joseph River. They have closed off a diversion chamber that would release raw sewage directly to the river during plant power outages. They have simplified the switchover process for the dual feed system and have installed a backup generator at the WWTP. These activities are expected to minimize power-related SSOs.

- Clinton Township

  The township has been working to eliminate SSOs from seven overflow pumps in two sewer districts since the early 2000s. They have completed infiltration and inflow reduction projects, including sewer lining, manhole rehabilitation, and footing drain disconnection pilot projects. The township has since installed several relief sewers and corrected hydraulic restrictions. The township spent approximately $23.5 million in construction costs.

- City of Centerline

  The city of Centerline in Macomb County reported SSOs in their sewerage system starting in 2000. On August 24, 2001, Administrative Consent Order ACO-SW01-006 was entered for the city to eliminate their SSOs at various locations and also to remain within their total peak flow contract capacity with the Great Lakes Water Authority. The city first invested $9.14 million to eliminate SSOs and convert their 24" gravity outlet sewer to a force main. In 2015 the city installed an electric valve actuator at the SSO gate to further reduce SSO volumes to the Lorraine Drain. The city did not certify the project, and they are currently working on a Corrective Action Program to further reduce flow to meet EGLE's SSO Policy.

This Report was Prepared by:

MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

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Special thanks to the following technical staff and managers that contribute annually towards the development of this report: Philip Argiroff, Charles Hill, Dennis Ryan, and the many staff in field operations that review the data and populate the database throughout the year.

Report Coordinator: Dan Beauchamp

NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT (EXCERPT)
Act 451 of 1994

324.3112a Discharge of untreated sewage from sewer system; notification; duties of municipality; legal action by state not limited; penalties and fines; definitions.

Sec. 3112a.

(1) Except for sewer systems described in subsection (8), if untreated sewage or partially treated sewage is directly or indirectly discharged from a sewer system onto land or into the waters of the state, the person responsible for the sewer system shall immediately, but not more than 24 hours after the discharge begins, notify the department; local health departments as defined in section 1105 of the public health code, 1978 PA 368, MCL 333.1105; a daily newspaper of general circulation in the county or counties in which a municipality notified pursuant to subsection (4) is located; and a daily newspaper of general circulation in the county in which the discharge occurred or is occurring of all of the following:
(a) Promptly after the discharge starts, by telephone or in another manner required by the department, that the discharge is occurring.
(b) At the conclusion of the discharge, in writing or in another manner required by the department, all of the following:
(i) The volume and quality of the discharge as measured pursuant to procedures and analytical methods approved by the department.
(ii) The reason for the discharge.
(iii) The waters or land area, or both, receiving the discharge.
(iv) The time the discharge began and ended as measured pursuant to procedures approved by the department.
(v) Verification of the person's compliance status with the requirements of its national pollutant discharge elimination system permit or groundwater discharge permit and applicable state and federal statutes, rules, and orders.

(2) Upon being notified of a discharge under subsection (1), the department shall promptly post the notification on its website.

(3) Each time a discharge to surface waters occurs under subsection (1), the person responsible for the sewer system shall test the affected waters for E. coli to assess the risk to the public health as a result of the discharge and shall provide the test results to the affected local county health departments and to the department. The testing shall be done at locations specified by each affected local county health department but shall not exceed 10 tests for each separate discharge event. The requirement for this testing may be waived by the affected local county health department if the affected local county health department determines that such testing is not needed to assess the risk to the public health as a result of the discharge event.

(4) A person responsible for a sewer system that may discharge untreated sewage or partially treated sewage into the waters of the state shall annually contact each municipality whose jurisdiction contains waters that may be affected by the discharge. If those contacted municipalities wish to be notified in the same manner as provided in subsection (1), the person responsible for the sewer system shall provide that notification.

(5) A person who is responsible for a discharge of untreated sewage or partially treated sewage from a sewer system into the waters of the state shall comply with the requirements of its

national pollutant discharge elimination system permit or groundwater discharge permit and applicable state and federal statutes, rules, and orders.

(6) This section does not authorize the discharge of untreated sewage or partially treated sewage into the waters of the state or limit the state from bringing legal action as otherwise authorized by this part.

(7) The penalties and fines provided for in section 3115 apply to a violation of this section.

(8) For sewer systems that discharge to the groundwater via a subsurface disposal system, that do not have a groundwater discharge permit issued by the department, and the discharge of untreated sewage or partially treated sewage is not to surface waters, the person responsible for the sewer system shall notify the local health department in accordance with subsection (1)(a) and (b), but the requirements of subsections (2), (3), (4), and (5) do not apply.

(9) As used in this section:
(a) “Partially treated sewage” means any sewage, sewage and storm water, or sewage and wastewater, from domestic or industrial sources that meets 1 or more of the following:
(i) Is not treated to national secondary treatment standards for wastewater or that is treated to a level less than that required by the person's national pollutant discharge elimination system permit.
(ii) Is treated to a level less than that required by the person's groundwater discharge permit.
(iii) Is found on the ground surface.
(b) “Sewer system” means a public or privately owned sewer system designed and used to convey or treat sanitary sewage or sanitary sewage and storm water. Sewer system does not include an on-site wastewater treatment system serving 1 residential unit or duplex.
(c) “Surface water” means all of the following, but does not include drainage ways and ponds used solely for wastewater conveyance, treatment, or control:
(i) The Great Lakes and their connecting waters.
(ii) Inland lakes.
(iii) Rivers.
(iv) Streams.
(v) Impoundments.
(vi) Open drains.
(vii) Other surface bodies of water.

History: 1994, Act 451, Eff. Mar. 30, 1995 ;-- Am. 1998, Act 3, Imd. Eff. Jan. 30, 1998 ;-- Am. 2000, Act 286, Imd. Eff. July 10, 2000 ;-- Am. 2004, Act 72, Imd. Eff. Apr. 20, 2004
Popular Name: Act 451

324.3112c Discharges of untreated or partially treated sewage from sewer systems; list of occurrences; “partially treated sewage” and “sewer system” defined.

Sec. 3112c.

(1) The department shall compile and maintain a list of occurrences of discharges of untreated or partially treated sewage from sewer systems onto land or into the waters of the state that have been reported to the department or are otherwise known to the department. This list shall be made available on the department's website on an ongoing basis. In addition, the department shall annually publish this list and make it available to the general public. The list shall include all of the following:
(a) The entity responsible for the discharge.
(b) The waters or land area, or both, receiving the discharge.
(c) The volume and quality of the discharge.
(d) The time the discharge began and ended.
(e) A description of the actions the department has taken to address the discharge.
(f) Whether the entity responsible for the discharge is subject to a schedule of compliance approved by the department.
(g) Any other information that the department considers relevant.

(2) As used in this section:
(a) “Partially treated sewage” means any sewage, sewage and storm water, or sewage and wastewater, from domestic or industrial sources that is not treated to national secondary treatment standards for wastewater or that is treated to a level less than that required by a national pollutant discharge elimination system permit.
(b) “Sewer system” means a sewer system designed and used to convey sanitary sewage or storm water, or both.

History: Add. 2000, Act 287, Imd. Eff. July 10, 2000
Popular Name: Act 451

BACKGROUND INFORMATION ON DISCHARGES

Introduction

Raw and inadequately treated sewage discharged from municipal and privately-owned sewer systems is an environmental and public health problem that has plagued Michigan for decades. The State of Michigan took a more aggressive approach to address these discharges in 1988 by initiating an aggressive Combined Sewer Overflow (CSO) control strategy and, in the year 2000, by adopting a Sanitary Sewer Overflow (SSO) control strategy. Detailed information about the Michigan CSO control strategy and its history and progress can be found in the 2007 CSO/SSO Annual Report. Regarding SSO control, local units of government were called upon to help protect Michigan's waters as part of the 2000 initiative. With significant stakeholder participation, EGLE adopted the SSO Policy Statement in 2002, which establishes criteria for SSO correction. This report is one step in addressing these types of discharges for the people of Michigan. Specifically, it defines and publicizes the extent of this statewide problem and the actions being taken to control these discharges.

What Is the Difference between a Sanitary Sewer System and a Combined Sewer System?

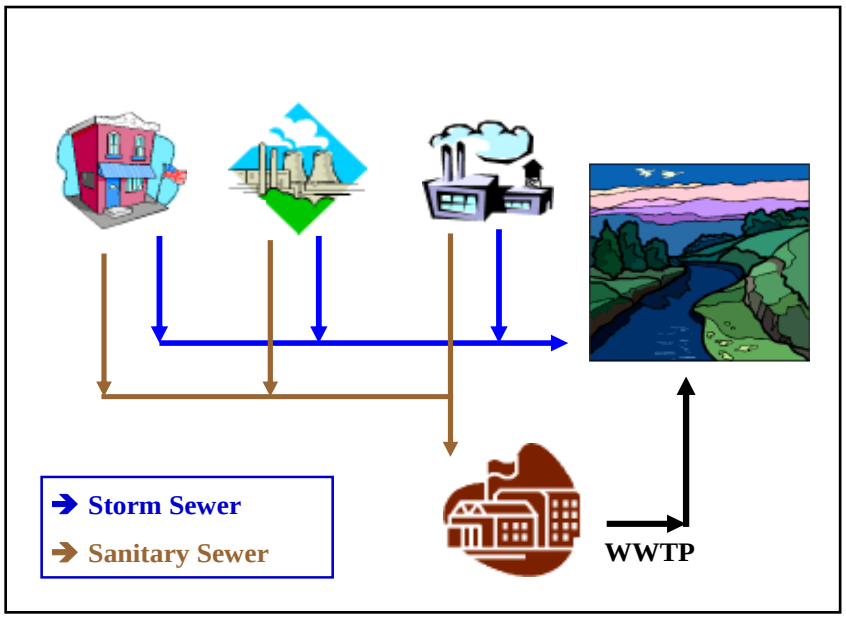
In order to understand the difference between a CSO and an SSO, it is necessary to understand some basics of sewer system design. Separate sanitary sewers are designed to carry only sanitary sewage to a wastewater treatment plant (WWTP) (see Figure 1); storm water is directed to a nearby river, lake, or stream via storm sewers. In urbanized areas, efforts are underway to address pollution issues related to discharges from separate storm water systems. For more information related to the Municipal Separate Storm Sewer System (MS4) permit program, please visit: Michigan.gov/EGLEStormWater. Combined sewer systems are generally older sewer systems designed to convey both sewage and storm water (combined in one pipe) to a WWTP (see Figure 2). Generally, combined sewer systems were designed with overflow points in the sewer system and/or at the WWTP. This is because the system cannot handle the entire volume of water that is associated with some larger storm water events.

The corrective action to address wet weather-related SSOs is to eliminate the discharge up to a specified rain event by drying up the system, installing retention facilities, and/or to increase transportation and/or treatment capacity of the sewerage system. The corrective action to address CSOs is to separate the sewer system and/or to install an adequate capture and treatment system. As part of final corrective action programs, many combined sewer systems have installed or are installing Retention Treatment Basins (RTB), which are designed to capture the combined sewage and rainwater that would otherwise flow to surface waters untreated. These basins hold the combined sewage long enough to provide treatment and disinfection before the combined sewage is discharged into waters of the state during periods of intense precipitation (see Figure 3). These basins also capture sewer system releases during smaller rainfall events and return all of the captured sewage and rainwater back to the system to be routed to the WWTP for treatment.

In general, what are SSOs, CSOs, and RTB discharges?

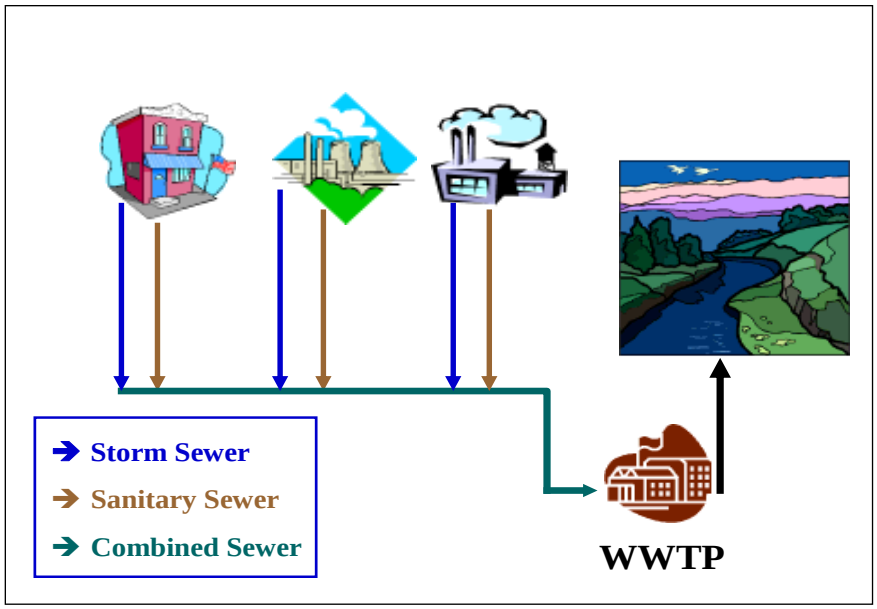
SSOs are releases of raw sewage from separate sanitary sewer collection systems, which are designed to carry sanitary sewage but not storm water. CSOs (untreated discharge) are releases of raw sewage from older combined sewer collection systems designed to carry both sanitary sewage and storm water. Both CSO and SSO events can discharge untreated human and industrial waste, toxic materials, debris, and disease-causing organisms onto the ground or into our rivers, lakes, or streams. RTB discharges are treated discharges from facilities installed to collect and treat combined sewer system overflows. RTBs are designed to meet wastewater discharge permit requirements and be protective of water quality and public health.

Figure 1: Separate Sewer System



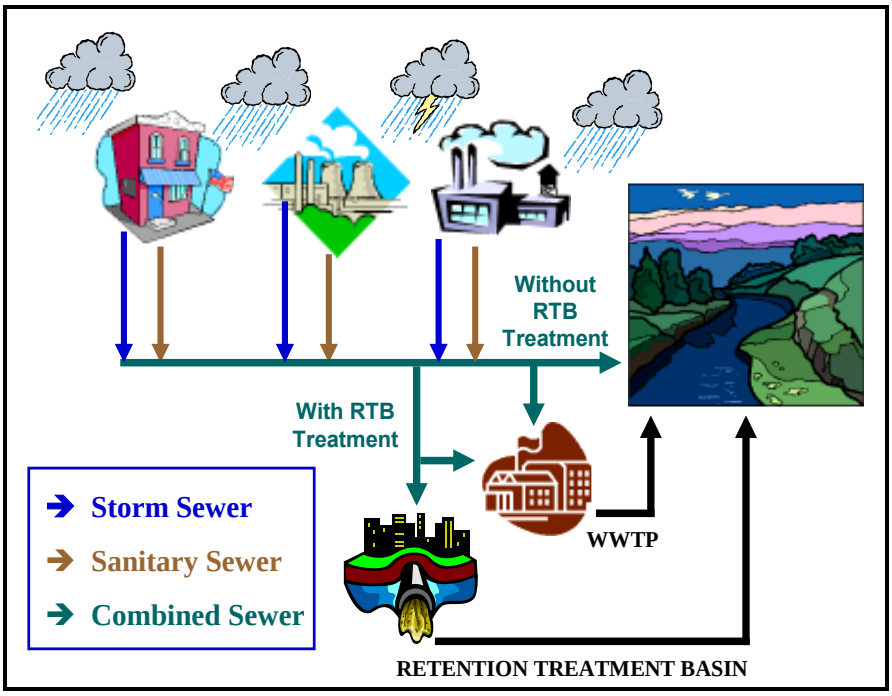
WWTP = wastewater treatment plant

Figure 2: Combined Sewer System—Dry Weather Conditions



WWTP = wastewater treatment plant

Figure 3: Combined Sewer System—Wet Weather Conditions



RTB = retention treatment basin

WWTP = wastewater treatment plant

What Laws Require Reporting of Releases?

Section 324.3112(a) of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), requires responsible parties to report releases of untreated or partially treated sanitary sewage. Section 324.3112(c) of the NREPA requires an annual reporting of these releases. This section was added in July 2000. EGLE has produced this report as a means of providing the public with information regarding known discharges of untreated and partially treated sewage to land and waters of the state.

Although discharges from RTBs are required to be reported as a "partially treated" discharge, these discharges are designed to be fully compliant with permit requirements and protect water quality and public health.

Prior to 2004, only releases from municipalities were required to be reported. However, in 2004, Section 324.3112a was amended to include reporting of treated and partially treated sewage releases from private systems (system serving more than a duplex).

Additionally, on January 8, 2018, the United States Environmental Protection Agency published the final Public Notification Requirements for Combined Sewer Overflows to the Great Lakes. The new rule requires all CSO permittees to develop a notification plan, to provide public notification of CSOs within four hours of becoming aware of the discharge, to submit supplemental notification within seven days, and to provide an annual report with information about all CSOs.

Who Will Let Me Know Whether the Water Is Safe for Swimming, Fishing, or Canoeing?

When raw or partially treated sewage is released into a river, lake, or stream, the responsible party is required to notify the local health department and others as specified in the law. The local health department may sample, or may require the responsible party to sample, the water body that received the sewage discharge. If the discharge poses a public health threat, then the local health department is responsible for issuing a public health advisory to notify people of the dangers associated with river or lake water contact.

Additionally, the local health department gathers information related to health aspects of water pollution for public and semi-public beaches (this activity may not be specifically related to untreated or partially treated releases). They issue swimming advisories and track reported illnesses related to waterborne organisms. Some local health departments provide citizens with information and resources to do their own beach monitoring.

More information about water quality monitoring related to health aspects of water pollution, including a list of local health departments with phone numbers can be found through the State of Michigan Beach Monitoring Web site at: www.egle.state.mi.us/beach. Phone books also contain local health department contact information. When searching the phone book, look for either the county health department or the district health department for your area.

How Does Intergovernmental Cooperation Help Fund Infrastructure Improvements?

The Clean Water State Revolving Fund (CWSRF or SRF) and the Strategic Water Quality Initiatives Fund (SWQIF) remain the primary sources of financial assistance for local units of

government facing wastewater infrastructure investment needs. The SRF was created in 1989 and capitalized with federal grant funds and a required state match. The SRF has tendered just over $4.6 billion in loan assistance to Michigan communities for the construction, expansion, and upgrade of publicly owned sewers and wastewater treatment facilities.

The passage of the $1 billion Great Lakes Water Quality Bond referendum in November 2002 (Proposal 2) provides additional capital into the SRF. That vote also created the SWQIF, another revolving loan fund that provides low interest loan assistance for wastewater system improvements that remain in private ownership. The portion of Proposal 2 monies dedicated to the SWQIF is available for projects that remove clear water from sewer leads on private property (often a component of successful SSO projects) or for projects to upgrade or replace failing on-site wastewater systems. A portion of these funds ($80 million) was used to provide grants to assist loan applicants with completing the planning and design of their projects. The revolving funds will operate in perpetuity and result in significant cost savings for system owners and users compared to open market financing alternatives, while remaining the primary source of funding for water quality protection efforts in the state.

Passage of Proposal 2 also resulted in funding for the Storm Water, Asset Management, and Wastewater (SAW) Program. The SAW Program was created in January 2013 from legislation enacted to establish grants for asset management plan development, storm water plan development, testing and demonstration of innovative technology, sewage collection and treatment plan development, and state-funded loans to construct projects identified in the asset management plans and implementation of successful innovative technology. A total of $450M is allocated to provide grants and loans under SAW. A grant recipient must proceed with a project for which grant funding is provided within three years of grant award. For the asset management grant, this means significant progress as determined by EGLE toward achieving the funding structure to implement the asset management program. SAW funding will aid in planning and constructing projects that will further protect Michigan's valuable water resources. In December 2013, the SAW grant and loan applications were received, and in April 2014 it was announced that over 92 recipients throughout the State were selected for a total of over $97 million in grants and loans. Additionally, in October 2014, $94 million in SAW grants and loans were awarded to over 117 recipients, in October 2015, $100 million in SAW grants and loans were awarded to 134 recipients, in October 2016, $97 million in SAW grants and loans were awarded to 137 recipients and in in December 2017, $65 million in SAW grants were awarded to 83 recipients and in May 2018, $8.2 million in SAW grants were awarded to 13 recipients.

Who Do I Contact for More Information?

While compiling the information in this report, EGLE identified some data integrity issues and other related problems. These problems and issues were eliminated whenever possible. EGLE has made sincere efforts to assure the accuracy of this report, which is intended for informational purposes only. If you believe the information is inaccurate or if you have any questions or concerns regarding the information contained in the report, please contact the appropriate district office for your area.

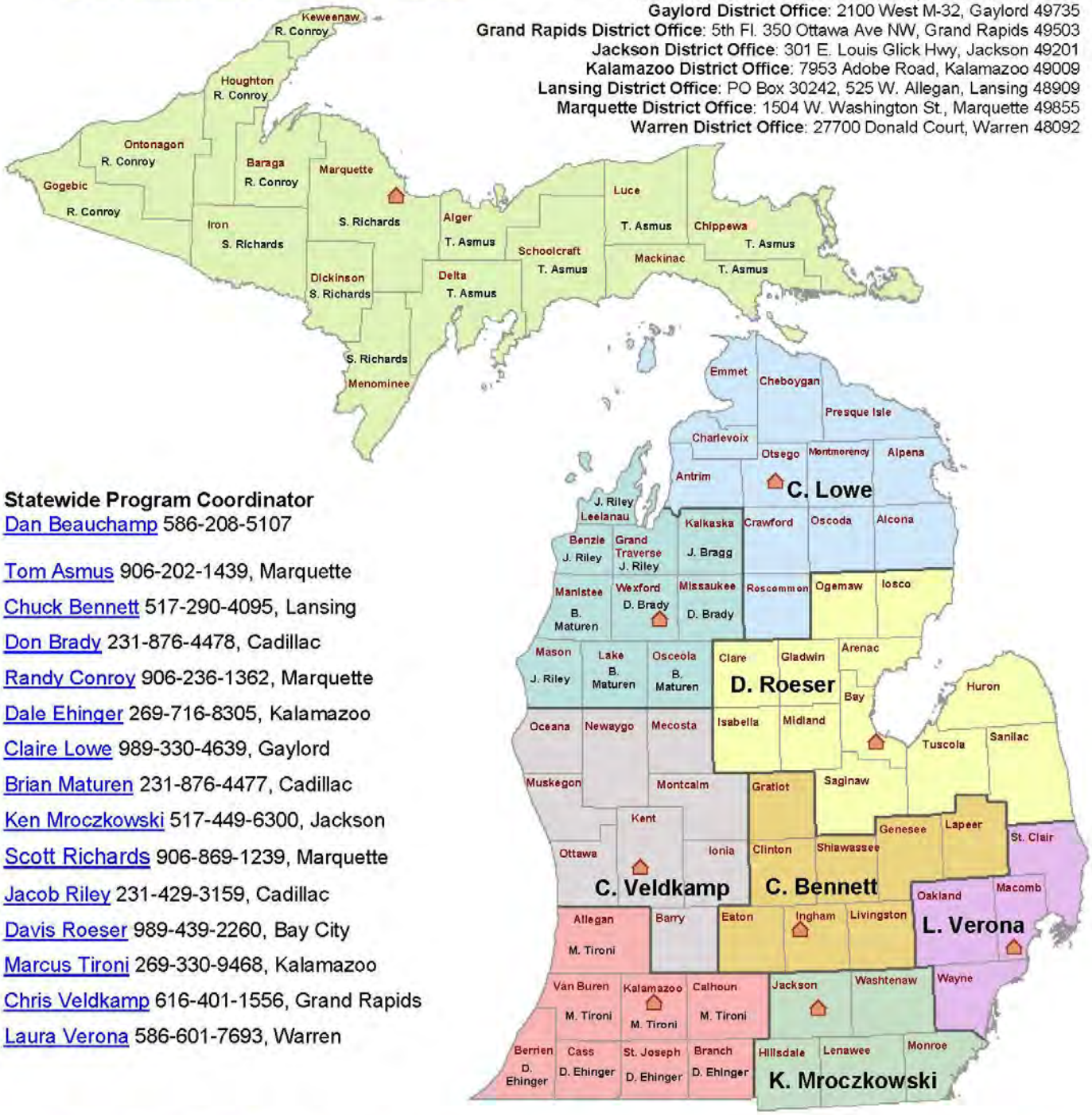
For additional information regarding the State of Michigan's overall CSO/SSO control strategies and policies, or questions regarding specific events, please contact the appropriate district office

for your area. More information, including a continually updated database of reported events can be found on-line at Michigan.gov/SewageDischarge.

Retention Treatment Basin (RTB), Combined Sewer Overflow (CSO), Sanitary Sewer Overflow (SSO) Staff

www.mi.gov/sewagedischarge

Bay City District Office: 401 Ketchum Street, Suite B, Bay City 48708
Cadillac District Office: 120 W. Chapin St, Cadillac 49601
Gaylord District Office: 2100 West M-32, Gaylord 49735
Grand Rapids District Office: 5th Fl. 350 Ottawa Ave NW, Grand Rapids 49503
Jackson District Office: 301 E. Louis Glick Hwy, Jackson 49201
Kalamazoo District Office: 7953 Adobe Road, Kalamazoo 49009
Lansing District Office: PO Box 30242, 525 W. Allegan, Lansing 48909
Marquette District Office: 1504 W. Washington St., Marquette 49855
Warren District Office: 27700 Donald Court, Warren 48092



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EGLE
MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Water Resources Division

www.michigan.gov/wrd ↔ 517-284-5567

6/12/2019

Report Terms and Acronyms

For the purposes of this report, the following terms and acronyms are described below:

Explanation of Report Headings:

EventID: A unique internal EGLE tracking number assigned to an event. If you have questions about a specific event, or need additional information, providing this number to EGLE district office staff in your area will assist them in finding the correct information.

Start Date/Time: The date and time the discharge event began. If there were multiple discharge locations associated with a single event, all discharging at different dates/times, then this is the date/time of the earliest discharge.

End Date/Time: The date and time the discharge event ended. If there were multiple discharge locations associated with a single event, all discharging at different dates/times, then this is the date/time of the latest discharge.

Event Volume: Total discharge volume for the event (in millions of gallons) reported by the responsible party. This value ***can*** be an estimated value as is often the case with SSOs. When the report lists 'Not Specified,' no volume information was reported to EGLE.

Discharge Quality: Description of the quality of the wastewater discharged. See *Acronym/Definitions* section below for detailed explanations.

Point(s) of Discharge: Narrative description of wastewater discharge location(s) (separated by *** where multiple points of discharge occurred during a single event). It provides information about receiving waters and/or land areas impacted by the discharge. A three-digit number preceding a receiving water name is the permittee's outfall discharge location as listed in their National Pollutant Discharge Elimination System (NPDES) permit. When the report lists "Not Specified," discharge information was not reported to EGLE for the land area or water body impacted. Note that this term is used in the appendix.

Control Program: This area of the report provides information and status of the permittee's long-term control program corrective actions as contained in their NPDES permit.

Outfall Corrective Actions: For SSOs, this area of the report provides information regarding corrective actions taken to reduce/eliminate future discharges from a particular SSO outfall discharge location (Note: These corrective actions do not pertain to a specific discharge event or to the owner of the sewer system as a whole). The specific locations where these corrective actions have taken place are listed under "Associated Outfall(s)."

Definitions/Acronyms:

Adequately Treated: RTB discharges that have been demonstrated to meet Water Quality Standards or discharges from an RTB that was designed to meet the presumptive regulatory approach.

Clear Water: Clear Water is non-sanitary or nonindustrial wastewater that may enter the sewer system. It includes, but is not limited to: groundwater that seeps in through cracks in the sewer pipes; rainwater or snowmelt that flows into the sanitary system through improperly connected roof drains; groundwater that enters from footing drains and sump pumps; and storm water that

enters when storm sewers are inadvertently connected to the sanitary sewer.

Collection System: System of subsurface sewer pipes designed and used to convey either sanitary sewage or both sanitary sewage and storm water to a wastewater treatment plant.

Combined Sewer: Sanitary sewage and storm water are conveyed in the same (combined) sewer pipe.

CSO: Combined Sewer Overflow (untreated discharge), a wet weather-related, untreated discharge from a combined sewer collection system.

Demonstrative Regulatory Approach: For RTBs that are built based on approved designs that are less conservative than the "presumptive approach" and, therefore, require an evaluation upon completion of construction to demonstrate that the treated discharges meet Water Quality Standards.

EGLE: Michigan Department of Environment, Great Lakes, and Energy.

Diluted Sanitary Sewage: Sanitary sewage diluted with rainwater, snowmelt, or groundwater.

Infiltration/Inflow (I/I): Rainwater, snowmelt, or groundwater flowing into separate sanitary or combined sewers, typically introduced via connected roof downspouts and/or building footing drains or infiltrating into the pipe through cracks in the pipe walls or joints.

MG: Million Gallons, e.g., 24,000 gallons = 0.024 MG

NPDES Permit: National Pollutant Discharge Elimination System Permit. A permit issued by EGLE, authorized under the federal Clean Water Act, to discharge treated wastewater to waters of the United States.

Outfall: Point of discharge of treated, partially treated, or untreated wastewaters to surface waters of the state.

Partially Treated Sewage: Any sewage, sewage and storm water, or sewage and wastewater, from domestic or industrial sources that meets one or more of the following: (1) Is not treated to national secondary treatment standards for wastewater or that is treated to a level less than that required by the person's NPDES Permit; (2) Is treated to a level less than that required by the person's Groundwater Discharge Permit; and (3) Is found on the ground surface (Section 324.3112c of the NREPA).

Presumptive Regulatory Approach: For RTBs that are designed using a conservative engineering approach. In this approach, meeting Water Quality Standards (WQS) is assumed and there is no need for a demonstration following completion of construction.

Raw Sewage: Untreated sanitary sewage.

RTB: Retention Treatment Basin or equivalent facility used for control and treatment of CSOs.

Separate Sanitary Sewer: Separate sanitary sewer pipe, designed to convey only sanitary sewage and minor amounts of I/I to a wastewater treatment facility.

Sewer System: A public or privately-owned wastewater collection facility designed and used to convey or treat sanitary sewage or sanitary sewage and storm water. Sewer system does not

include an on-site wastewater treatment system serving one residential unit or duplex.

SSO: Sanitary Sewer Overflow (raw or inadequately treated discharge), a discharge from the sanitary sewer collection system, and a dry weather discharge from a combined sewer collection system.

Surface Waters of the State: e.g., rivers, streams, creeks, lakes, some open ditches, and wetlands (as opposed to groundwaters, i.e., aquifers).

Twp: Township

WQS: Water Quality Standards are regulations that establish the uses for which surface waters of the state are protected and include numeric and narrative criteria to protect those uses.

WWTP: Wastewater Treatment Plant or other treatment facility such as a treatment lagoon.

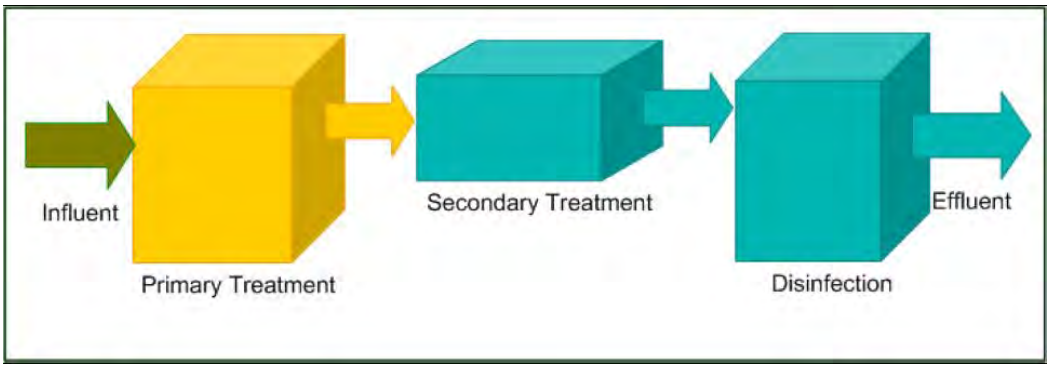
Wastewater Treatment

How is Wastewater Treated?

Sanitary wastewater treatment involves various stages; generally there is primary and secondary treatment, then a disinfecting stage. During the first stage, called primary treatment, 40 percent to 50 percent of the solids in the influent (wastewater from homes and businesses) are removed from the waste stream. The technology often used in the primary treatment stage includes bar screens (that remove trash), grit chambers (that slow down the flow to let sand, grit, and solids settle and be removed), and sedimentation tanks (that allow particles to settle and be removed).

During the secondary treatment stage, the treatment process continues to remove pollutants such that, following secondary treatment, 85 percent to 90 percent of the influent pollutants have been removed from the waste stream. One method of this type of treatment includes an aeration tank followed by a secondary sedimentation tank. In the aeration tank, air is mixed into the waste stream and microorganism concentrations are kept high to speed the consumption of the organic matter. In the secondary sedimentation tank, the microorganisms and other solids settle to the bottom so they can be removed. After secondary treatment, a disinfectant such as chlorine is often used to kill disease-causing organisms before the wastewater leaves the treatment plant.

Figure 4: Wastewater Treatment Process



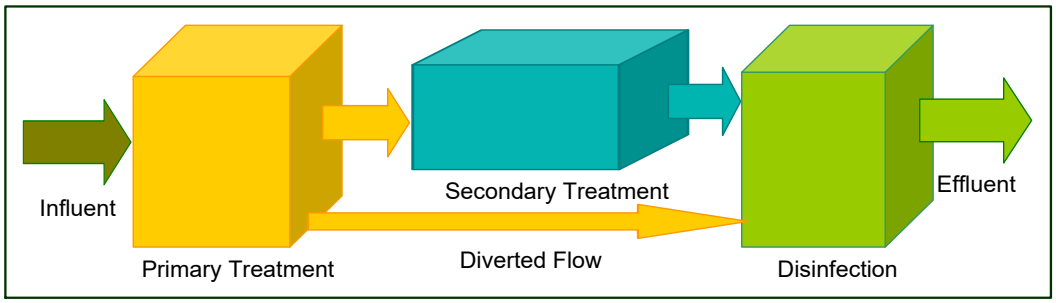
This report summarizes the discharge events of untreated or partially treated sewage from sewer systems. Most of these discharge events are classified as CSOs, RTBs, or SSOs, which are discussed at length elsewhere in this report. Other types of events that are reported are from blending and bypassing which happens at the wastewater treatment facility. These types of discharges are discussed below.

What is Blending?

As a result of wet weather events, some WWTPs experience higher influent flows due to significant levels of I/I (see definition on page B-8) in the associated separate sanitary sewer system. In order to accommodate these higher influent flows in their wastewater treatment

operations, some WWTPs have a “blending” option at their facilities (“blending” used in this discussion does not include combined sewer systems). Generally during blending, the wastewater receives primary treatment and disinfection but a portion of the wastewater will not receive secondary treatment. The term blending generally refers to the mixing of the wastewater that received full (i.e., secondary) treatment with a component of primary-treated wastewater that has been diverted around the secondary treatment process (see Figure 5 below). This mixed wastewater is disinfected and then discharged from the facility.

Figure 5: Wastewater Treatment Process - Blending Condition



The term “blending” is used specifically for an anticipated wet weather treatment scenario approved by EGLE through issuance of an NPDES permit. The approval is an interim means to address higher influent flows as a result of wet weather conditions during storms at or below EGLE remedial design standard. Currently, there are very few approved blending scenarios in Michigan, and EGLE is working with these municipalities to eliminate these remaining blending authorizations. It is important to note that the discharges associated with these approved blending scenarios are required by the NPDES permit to produce effluent quality that complies with the Michigan WQS. Although Michigan has a small percentage of facilities that have approved blending through an NPDES permit, in other states many facilities engage in this practice under their NPDES permits.

Data in Appendix C (pages Blending 1 to 7) contains blended effluent discharges reported in 2018 for facilities with approved blending scenarios in their NPDES permit. There were 13 blending events reported in 2017 representing a volume of 1275.19 million gallons.

<u>What is Bypassing?</u>

Bypassing is the diversion of waste streams from any portion of a treatment facility other than approved blending described above. Similar to blending, bypassing can be the result of elevated influent flows due to wet weather events. However, bypassing may occur in the absence of a wet weather event due to equipment failure or some other difficulties at the WWTP. In contrast to blending, bypassing is not a preapproved treatment scenario and is not authorized in NPDES permits except to prevent loss of life, personal injury, or severe property damage. Further, unlike the approved blending scenarios, the discharges associated with bypassing events may or may not be compliant with the Michigan WQS. Instead, this wastewater is variable and often partially treated (usually through the treatment train up to the

process unit that failed). For example, using the wastewater process shown in Figure 4, if a malfunction shut down the mechanical disinfection system, then the wastewater would have received secondary treatment (Figure 4) but not disinfection, and this would be considered a bypass. In general, EGLE requires that the factors contributing to the occurrence of the bypass event be corrected as soon and as aggressively as is feasible.

Data in Appendix D (pages Bypass 1 to 61) contains bypass effluent discharges reported in 2018. There were 86 bypass events reported in 2018 representing a volume of 818 million gallons.

Combined Sewer Overflows and Retention Treatment Basins

What are Combined Sewer Overflows and What Causes Them?

Combined sewer systems are sewers that are designed to collect snowmelt, rainwater runoff, domestic sewage, and industrial wastewater in the same pipe. Most of the time, combined sewer systems transport all of their wastewater to a sewage treatment plant where it is treated and then discharged to a water body. During periods of heavy rainfall or snowmelt, however, the wastewater flow rate in a combined sewer system can exceed the capacity of the sewer system or treatment plant. For this reason, combined sewer systems were designed to overflow occasionally during wet weather and discharge excess wastewater directly to nearby streams, rivers, or other water bodies. Historically, CSOs were among the major sources for beach closings and other water quality impairments.

How are CSOs Addressed?

CSOs are a problem nationwide. Michigan initiated a CSO Control Program in 1988, and in 1994 the federal government developed a nationwide CSO Control Policy. This policy suggested that states use an enforceable mechanism, preferably the permit program that was initiated by the federal Clean Water Act (called the National Pollutant Discharge Elimination System) to require CSO communities to implement interim measures referred to as “nine minimum controls” by January 1, 1997, and to develop CSO Long-Term Control Plans (LTCP). The “nine minimum controls” basically included interim measures that could be undertaken to begin addressing the CSOs before major sewer system construction activities would be undertaken as part of the LTCP. Once the state and the community reach agreement on the LTCP, the community would then implement the CSO controls as soon as practicable. In Michigan, these LTCPs are contained in various legal documents, including state issued NPDES permits, Administrative Consent Orders, Abatement Orders, and other legal documents. In Michigan, all municipalities with CSOs have completed the necessary interim control measures and have developed LTCPs. You can learn the entire history of Michigan’s CSO control in the 2007 CSO SSO Annual Report.

The LTCP must assess a range of control options, including costs and benefits, and lead to selection of an alternative that would achieve appropriate water quality objectives and compliance with the federal Clean Water Act and state laws. Since the cause of CSOs is an excess of rain or snowmelt runoff entering the sewer system, some municipalities decide to separate their combined sewers, thereby redirecting the clean runoff to lakes, rivers, and streams via storm sewers. Sewer separation projects are expensive and time consuming because they involve extensive utility and road reconstruction. Sewers typically run under roads; therefore, roads need to be torn up and repaved in order to gain access to and redirect the sewers.

While separating the sewer system is a common practice to eliminate CSOs, other communities may choose to build additional treatment or storage basins to contain a portion of the volume and provide treatment of any resulting discharge to meet WQS at times of discharge. Specifically, as part of the final corrective program, many owners of combined sewer systems have installed or are installing treatment facilities called retention treatment basins (RTBs) or equivalent structures, which are designed to capture the combined sewage and runoff long enough to provide treatment and disinfection. Treatment often involves allowing solids to settle, the skimming of floatable materials such as sanitary trash and oils; and disinfection of disease-causing organisms, often accomplished through the addition of chlorine. This is the typical RTB design in the State of Michigan. The treatment provided significantly reduces the amount of pollutants discharged. It is important to note that the fully implemented LTCP requires the permittee to provide enough treatment to result in full protection of WQS and the public health.

There are two different regulatory approaches related to review, approval, and oversight of RTBs, namely **presumptive** and **demonstrative**. With the presumptive approach, the RTB is designed in a conservative manner where established engineering design criteria are met. In this approach, meeting WQS is assumed because of the conservative design and there is no need for a demonstration that WQS are met. Alternatively, sometimes economics and other factors preclude the building of such facilities, namely because of the very large size, and instead the RTB is designed less conservatively, and therefore, an evaluation is required upon completion of construction to demonstrate that discharges meet WQS. This latter scenario is considered the demonstrative approach. Most RTBs in Michigan are designed following the demonstrative regulatory approach.

What is the Main Challenge for Communities to Address in Controlling CSOs?

Several challenges exist in controlling CSOs, the most significant being the costs associated with mounting wastewater infrastructure improvements and the financial resource-intensive nature of CSO controls. CSO LTCPs typically involve major infrastructure investments that compete with other community financial needs.

There are several ways a community can fund CSO controls including federal grant programs and the use of bonds and user fees. However, the SRF has been a major source of financial assistance to communities addressing CSO problems and this involvement is particularly evident when reviewing the 2007 CSO/SSO Annual Report, and specifically, the CSO Summary Report within that report.

The Department's Paul Blakeslee (former Field Operations Chief) Paul Zugger (former Surface Water Quality Division Chief) and Tom Kamppinen (Municipal Facilities, Grants and Loans) in front of an Oakland County CSO RTB as part of the Rouge Project (1994).

Sanitary Sewer Overflows

What are Sanitary Sewer Overflows?

Sanitary sewer overflows, or SSOs, are discharges of raw sewage from separate sanitary sewer collection systems. These systems are designed to carry sanitary sewage but not storm water. When an SSO occurs, sewage is released into areas such as the ground, streets, and/or streams, rather than being transported to a treatment facility. They are illegal and usually constitute a serious environmental and public health threat. Sewage discharges into basements may also occur, but these events are not required to be reported to EGLE for entry in this report under Section 324.3112(a) of the NREPA.

What causes an SSO?

For the purposes of this report, SSOs can be categorized in three general categories, those being chronic SSOs, site specific SSOs, and SSOs due to mechanical/electrical failure or emergency.

Chronic SSOs can occur when too much water enters into a sanitary sewer system. This water, known as "clear water," includes, but is not limited to, the following sources:

- Groundwater that seeps in through cracks in the sewer pipes;
- Rainwater or snowmelt that flows into the sanitary system through improperly connected roof drains or other inflow sources;
- Groundwater that enters from footing drains and sump pumps; and
- Storm water that enters when storm sewers are inadvertently connected to the sanitary sewer.

Chronic SSOs can also occur when sanitary systems are too small to contain all the sanitary wastewater that is in the sewer system. Specifically, if the sewers and pumps that transport the sewage through the system are undersized, SSOs can result. Factors that can lead to chronic SSOs include: increased development in a community to the point where there is not enough sewer system capacity to handle the population; or, more likely, system deterioration due to the age of the sewer system and resulting excessive clear water inputs to the system.

Site-specific SSOs occur when blockages in the sewer cause sewage to back up in the sewer system. Some examples of blockages include tree roots growing into the sewer, when a sewer partially or totally collapses, when sediments build up in the sewers, or when grease or trash block the sewer.

Finally, SSOs occur due to power outages, emergency conditions, and equipment or mechanical failures. Examples include: faulty valves within the sewer pipes, lightning strikes to pump stations, the breaking of a sewer pipe, power failures that shut down pumps (which are installed to force sewage to higher points in the system), and even car accidents that damage sewer system pump stations.

How Does the Sewage End Up in the Environment?

Sewage may escape from a sewer system in many different ways. For example, SSO events include direct releases of sewage from a broken sewer pipe and releases of sewage through a manhole, generally in low areas of the sewer system. Sometimes sewage has been intentionally released from a sewer system into the environment to prevent basement flooding within the system. Additionally, some sewer systems have emergency storage basins (either retention or equalization basins) that hold excess sewage in an overflow scenario. These basins can provide some treatment of the sewage, and during extreme rain events, unauthorized overflow releases of sewage may occur.

How are SSOs Addressed?

Since SSOs have different causes, there are various ways that SSOs can be addressed. When SSOs are a chronic problem in a community, EGLE will require the responsible entity to implement corrective action programs within a defined schedule (“schedule of compliance” or SOC). The corrective action program outlines how the SSOs will be eliminated or treated, and the SOC will be embodied in a compliance document. Frequently, EGLE works to achieve a voluntary settlement. These settlements are often embodied in documents called District Compliance Agreements, permits, or Administrative Consent Orders. If a voluntary settlement is not achieved, then an SOC will often be sought through litigation resulting in a court order or court judgment.

For site-specific SSOs caused by sewer blockages, a response is usually undertaken by the responsible entity. The response activity will usually include the removal of the sewer blockage to restore the proper function of the sewer system, along with cleanup and/or disinfection of the areas where sewage was spilled to limit public exposure. The emergency response for SSOs due to equipment failures are handled in a similar way. The power is restored or the mechanical problem is fixed (i.e., the cracked sewer is repaired or the faulty pump is replaced); and the area is similarly cleaned up or disinfected. Such problems are addressed in the long-term through routine inspection and preventative maintenance programs.

While this report is intended to provide the public with an overview of the issues surrounding SSOs and how they are addressed, other documents may be useful for professionals in the environmental field that would like to learn more about EGLE's policy in addressing SSOs. On December 27, 2002, a policy statement was issued and a subsequent clarification statement was issued on October 23, 2003, to address chronic SSOs due to wet weather capacity issues. The policy statement was the result of consultation with a stakeholder group to develop guidance for implementing the May 2000 "*Strategy for the Regulatory Control and Correction of Illegal Overflows from Separate Sanitary Sewer Systems in Michigan.*" These documents can be found on our Web site at: Michigan.gov/SewageDischarge

What Factors Might Justify Longer-Term Plans for Stopping Chronic SSOs?

Sewer systems are frequently complex and expensive to fix. Consider that sewer pipes are buried with other utility lines, oftentimes under roads, making access to them difficult. This limited access not only makes repair difficult, but it also makes the identification of extra sources of water to the sewer system a challenge. In addition, many sewer systems that were built over 30 years ago are reaching the end of their design life and are in need of rehabilitation or replacement. Additional costs could include engineering to study and design system improvements, upgrades to the WWTP to handle additional flow, and replacement of pumps and other equipment that make up the sewage system. Monies may or may not be available via grants, low rate loans, or rate increases; therefore, many communities and private sewer system owners need time to secure funding. Sewer system owners usually need time to find the cause of large systemic problems such as identifying the sources of "clear water" infiltrating and inflowing into the system or identifying the components in the system that are undersized. In addition, the system owners often need considerable time to review financing alternatives, design construction improvements, and to implement the project.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Blended Detail Report
January 1 - December 31, 2018

Macomb

Warren WWTP

Warren WWTP

Submission ID
19347

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:21:00 PM	2/23/2018	11:27:00 PM

Rain(IN) = 2.06 MI0024295

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001C

Blended (MG)
91.6

Heavy rain with snow melt caused retention basin to overflow

Actions by EGLE: NPDES permit contains schedule to eliminate blending

Schedule of Compliance Description: The NPDES permit requires construction of all SSO projects to be completed by April 1, 2022

Warren WWTP

Submission ID
19491

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	8:29:00 PM	4/17/2018	7:30:00 PM

Rain(IN) = 2.65 MI0024295

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001C

Blended (MG)
54.3

rain caused retention basin to overflow

Actions by EGLE: NPDES permit contains schedule to eliminate blending

Schedule of Compliance Description: The NPDES permit requires construction of all SSO projects to be completed by April 1, 2022

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Blended Detail Report
January 1 - December 31, 2018

Warren WWTP

Submission ID
19612

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	4:18:00 PM	5/15/2018	5:20:00 PM

Rain(IN) = 3.51

MI0024295

Waterbody: Red Run Drain (tributary to Clinton River)

Outfall 001C

Blended (MG)
71.58

Heavy Rain caused retention basin to overflow
Actions by EGLE: NPDES permit contains schedule to eliminate blending
Schedule of Compliance Description: The NPDES permit requires construction of all SSO projects to be completed by April 1, 2022

Totals **Warren WWTP**

Blended (MG)
217.48

County Totals **Macomb**

Blended (MG)
217.48

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Blended Detail Report
January 1 - December 31, 2018

Wayne

Downriver WTF

Downriver WTF

Submission ID
19310

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	5:00:00 PM	2/16/2018	8:00:00 AM

Rain(IN) = 0.02
Waterbody: Trenton channel

MI0021156
Outfall 001C

Blended (MG)
9.11

rainfall overwhelmed secondary treatment capacity

Actions by EGLE: MDEQ review of NPDES permit indicates that the bypass of secondary treatment is allowed under the permit.

Downriver WTF

Submission ID
19308

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:45:00 PM	2/24/2018	8:00:00 PM

Rain(IN) = 2.5
Waterbody: Trenton channel

MI0021156
Outfall 001C

Blended (MG)
326.9

Excessive rainfall overwhelmed secondary treatment capacity

Actions by EGLE: MDEQ review of NPDES permit indicates that the bypass of secondary treatment is allowed under the permit.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Blended Detail Report
January 1 - December 31, 2018

Downriver WTF

Submission ID
19413

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	2:00:00 PM	3/5/2018	7:00:00 AM

Rain(IN) = 1.78
Waterbody: Trenton channel

MI0021156
Outfall 001C

Blended (MG)
160

Excessive rainall overwhelmed secondary treatment capacity
Actions by EGLE: MDEQ review of NPDES permit indicates that the bypass of secondary treatment is allowed under the permit.

Downriver WTF

Submission ID
19473

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/4/2018	2:00:00 AM	4/4/2018	4:00:00 PM

Rain(IN) = 0.81
Waterbody: Trenton channel

MI0021156
Outfall 001C

Blended (MG)
10

Excessive rainfall exceeded secondary treatment capacity
Actions by EGLE: MDEQ review of NPDES permit indicates that the bypass of secondary treatment is allowed under the permit.

Downriver WTF

Submission ID
19531

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:00:00 PM	4/17/2018	7:00:00 AM

Rain(IN) = 2.89
Waterbody: Trenton channel

MI0021156
Outfall 001C

Blended (MG)
202.5

Excessive rainfall overwhelmed secondary treatment capacity
Actions by EGLE: MDEQ review of NPDES permit indicates that the bypass of secondary treatment is allowed under the permit.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Blended Detail Report
January 1 - December 31, 2018

Downriver WTF

Submission ID 19659

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	4:00:00 AM	5/17/2018	8:00:00 AM

Rain(IN) = 2.79

Waterbody: Trenton channel

MI0021156

Outfall 001C

Blended (MG)
311.6

Excessive rainfall overwhelmed secondary treatment capacity

Actions by EGLE: MDEQ review of NPDES permit indicates that the bypass of secondary treatment is allowed under the permit.

Downriver WTF

Submission ID 19682

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	10:00:00 PM	5/20/2018	4:00:00 PM

Rain(IN) = 1.08

Waterbody: Trenton channel

MI0021156

Outfall 001C

Blended (MG)
29.6

Excessive rainfall overwhelmed secondary treatment capacity

Actions by EGLE: MDEQ review of NPDES permit indicates that the bypass of secondary treatment is allowed under the permit.

Downriver WTF

Submission ID 19857

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	4:00:00 AM	8/1/2018	6:00:00 PM

Rain(IN) = 1.15

Waterbody: Trenton channel

MI0021156

Outfall 001C

Blended (MG)
1.3

Excessive rainfall overwhelmed secondary treatment capacity

Actions by EGLE: MDEQ review of NPDES permit indicates that the bypass of secondary treatment is allowed under the permit.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Blended Detail Report
January 1 - December 31, 2018

Downriver WTF

Submission ID
19980

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:20:00 PM	9/26/2018	5:00:00 AM

Rain(IN) = 1.66
Waterbody: Trenton channel

MI0021156

Outfall 001C

Blended (MG)
5.2

Excessive rain overwhelmed the secondary treatment capacity. Bypassed arounf secondary treatment

Actions by EGLE: MDEQ review of NPDES permit indicates that the bypass of secondary treatment is allowed under the permit.

Downriver WTF

Submission ID
20107

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	9:00:00 PM	11/1/2018	10:00:00 PM

Rain(IN) = 1.32
Waterbody: Trenton channel

MI0021156

ByPass

Blended (MG)
1.5

Excessive rainfall exceeded Secondary Treatment Capacity

Actions by EGLE: Evaluation of this event confirms discharge is consistent with terms of current NPDES permit.

Schedule of Compliance Description: Improvements and upgrades to both Downrvier WWTP and collection system completed under a Schedule of Compliance that was required by a Federal Consent Judgment.

Totals Downriver WTF

Blended (MG)
1057.71

County Totals Wayne

Blended (MG)
1057.71

MG = million gallons

MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Blended Detail Report
January 1 - December 31, 2018

Report Totals

Blended (MG)
1275.19

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Barry

Hastings WWTP

Hastings WWTP

Submission ID
19354

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/16/2018	10:40:00 AM	2/16/2018	10:43:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
.002		

Location: WWTP-Splitter box between influent mixing chamber and primary clarifiers

Reason: Overflow from splitter box for approx 2-3 minutes. Staff were testing/opening a valve between the sludge thickener overflow and wet well. This released water/grit from a plugged line and blocked flow to the primary clarifier, resulting in overfl

Totals Hastings WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.002		

County Totals Barry

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.002		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Berrien

GRSD Sewer Authority WWTP

GRSD Sewer Authority WWTP

Submission ID
19340

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	8:00:00 AM	2/22/2018	8:00:00 AM

Rain(IN) = 4.73 MI0027987

Waterbody: Galien river via wetland

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.36	

Location: GRSD WWTP between secondary clerifiers and sand filters.

Reason: Major Flooding, the sand filter tanks inlet could not handle the flow coming in from the seconday clerifiers

EGLE Action: Event evaluated, no additional actions taken at this time.

Totals GRSD Sewer Authority WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.36	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Niles WWTP

Niles WWTP

Submission ID
19428

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:11:00 PM	3/11/2018	12:30:00 PM

Rain(IN) = 4.5 MI0023701

Waterbody: St. Joseph River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	189.098	

Location: Niles WWTP - RTB/Storage Tank

Reason: Flow exceeded capacity of the Niles WWTP due to heavy rainfall and snow melt. Major flood in St Joe River (crested 6.3' above flood level)

EGLE Action: No further action at this time.

Totals Niles WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	189.098	

County Totals Berrien

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	189.458	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Branch

Union City WWSL

Union City WWSL

Submission ID
19431

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/22/2018	11:30:00 AM	2/27/2018	1:30:00 PM

Rain(IN) = 6
Waterbody: St. Joseph River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.769	

Reason: Excessive Rain and Snowmelt.
EGLE Action: Sending violation letter that includes I&I study requirement

Totals Union City WWSL

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.769	

County Totals Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.769	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Calhoun

Battle Creek WWTP

Battle Creek WWTP

Submission ID
HNK-7DZV-4SZ89

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	1:00:00 PM	12/20/2018	1:05:00 PM

Waterbody: Kalamazoo River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.042	

Location: East Finals splitter box
Reason: valve malfunction
EGLE Action: Event Reviewed.

Totals Battle Creek WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.042	

County Totals Calhoun

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.042	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Charlevoix

East Jordan WWTP

East Jordan WWTP

Submission ID
20029

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/3/2018	1:30:00 PM	10/3/2018	3:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
.001		

Reason: High flows due to heavy rain overwhelmed the intake structure of the wastewater treatment plant.

Totals East Jordan WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

The Landings Restaurant

The Landings Restaurant

Submission ID
19747

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/26/2018	11:00:00 AM	6/27/2018	7:30:00 PM

GW1110278

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0005	

Location: North of the intersection of Fulsome St. and 2nd St. in Ironton, MI

Reason: Force main break at a PVC threaded connection for a 2" shutoff valve

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

The Landings Restaurant

Submission ID
19817

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/16/2018	6:50:00 PM	7/16/2018	10:00:00 PM

GW1110278

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0005	

Location: North of the intersection of Fulsome St. and 2nd St. in Ironton, MI

Reason: Bad O-ring seal for a 2" repair sleeve.

Totals The Landings Restaurant

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.001	

County Totals Charlevoix

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001	0.001	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Chippewa

Sault Ste Marie WWTP

Sault Ste Marie WWTP

Submission ID
20056

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	3:00:00 PM	10/11/2018	1:00:00 PM

Rain(IN) = 3.2 MI0024058
Waterbody: St. Marys River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.43	

Location: Sault Ste. Marie WWTP
Reason: Rain fall

Totals Sault Ste Marie WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.43	

County Totals Chippewa

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.43	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Crawford

MDMVA-Camp Grayling

MDMVA-Camp Grayling

Submission ID
19436

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/22/2018	1:15:00 PM	3/30/2018	3:00:00 PM

GW1810158

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.7921	

Location: EQ-1 at Lagoon System
Reason: Lagoons are filling up at a faster rate than expected due to water infiltration.
EGLE Action: DEQ sent compliance communication to address out of season discharges.

Totals MDMVA-Camp Grayling

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.7921	

County Totals Crawford

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.7921	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Delta

Escanaba WWTP

Escanaba WWTP

Submission ID
19444

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/23/2018	11:00:00 AM	3/23/2018	1:00:00 PM

MI0025381

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
.001		

Location: State Fair Grounds

Reason: Mechanical failure of rear gasket on vactor truck door.

Totals Escanaba WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

County Totals Delta

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Eaton

Eaton Rapids WWTP

Eaton Rapids WWTP

Submission ID
19410

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 3.48
2/20/2018	7:00:00 PM	2/21/2018	3:00:00 PM	Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.36	

Reason: bypass of secondary treatment due high flows exceeding pumping capacity of plant during heavy rainfall and snowment event.

Totals Eaton Rapids WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.36	

Grand Ledge WWTP

Grand Ledge WWTP

Submission ID
19401

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 4.43	MI0020800
2/20/2018	12:45:00 PM	2/22/2018	2:15:00 PM	Waterbody: Grand River	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.89	

Location: WWTP RTB

Reason: capacity of sewer system exceeded due to excessive infiltration/inflow during period of heavy rainfall and snowmelt.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Totals	Grand Ledge WWTP			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			3.89	

County Totals	Eaton			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			4.25	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Genesee

Flint WWTP

Flint WWTP

Submission ID
19512

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/10/2018	8:05:00 PM	1/10/2018	8:35:00 PM

MI0022926

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0045	

Location: storm sewer on WWTP grounds

Reason: discharge due to break in line which transfers sludge from storage to dewatering facility

Flint WWTP

Submission ID
19519

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/30/2018	10:10:00 PM	1/30/2018	10:40:00 PM

MI0022926

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Location: storm sewer on WWTP grounds

Reason: excess gas production resulting in overflow of sludge from anaerobic digester

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Flint WWTP

Submission ID
19520

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/1/2018	1:30:00 PM	2/1/2018	3:00:00 PM

MI0022926

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0005	

Location: storm sewer on WWTP grounds

Reason: overflow from digester due to excess gas production

Flint WWTP

Submission ID
19300

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:45:00 AM	2/23/2018	7:15:00 AM

Rain(IN) = 2.65

MI0022926

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	151	

Location: WWTP RTB, Beecher Rd, Flint

Reason: RTB capacity exceeded due to heavy rainfall, snowmelt, and I/I

Flint WWTP

Submission ID
19522

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/16/2018	8:00:00 AM	3/17/2018	7:00:00 AM

MI0022926

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Location: Anaerobic Digester at WWTP

Reason: overflow due to gas entrainment in sludge and rapid sludge volume expansing

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Flint WWTP

Submission ID
19523

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/20/2018	7:30:00 AM	3/20/2018	9:30:00 AM

MI0022926

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Location: storm sewer on WWTP grounds

Reason: discharge due to excess gas production

Flint WWTP

Submission ID
19525

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/12/2018	8:05:00 PM	4/12/2018	10:20:00 PM

MI0022926

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00025	

Location: storm sewer on WWTP grounds

Reason: overflow due to rapid increase in sludge volume

Flint WWTP

Submission ID
19517

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	6:32:00 PM	4/17/2018	6:00:00 PM

Rain(IN) = 2.35

MI0022926

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	60.2	

Location: WWTP RTB, Beecher Rd, Flint

Reason: RTB capacity exceeded due to heavy rainfall, snowmelt, and I/I

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Flint WWTP

Submission ID
19586

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	6:32:00 PM	4/17/2018	6:00:00 PM

Rain(IN) = 2.35 MI0022926
Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	60	

Location: WWTP RTB, Beecher Rd, Flint
Reason: treatment plant capacity exceeded due to heavy rainfall and I/I

Flint WWTP

Submission ID
20155

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/4/2018	3:00:00 PM	12/4/2018	5:45:00 PM

MI0022926
Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	5e-05	

Location: Anaerobic Digester at WWTP
Reason: overflow of anaerobic digester contents onto ground

Totals Flint WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	271.2056	

County Totals Genesee

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	271.2056	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Gogebic

Bessemer Twp WWSL

Bessemer Twp WWSL

Submission ID
19600

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/6/2018	7:00:00 AM	4/11/2018	6:00:00 AM

MIG580332

Waterbody: Black River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.3	

Location: Overflow into Black River

Reason: winter let run on water caused lagoon overflow to normal outfall

EGLE Action: Entered into a District Compliance Agreement

Totals Bessemer Twp WWSL

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.3	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Gogebic-Iron WW Authority WWTP

Gogebic-Iron WW Authority WWTP

Submission ID
19556

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/24/2018	4:20:00 PM	4/24/2018	9:30:00 PM

MI0020125

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0816	

Location: Flow Equalization Basin
Reason: snow melt
EGLE Action: Notice Letter, Proposed Draft Administrative Consent Order

Gogebic-Iron WW Authority WWTP

Submission ID
19711

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/15/2018	10:00:00 AM	6/18/2018	10:00:00 PM

Rain(IN) = 7.82

MI0020125

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.07	

Location: Flow Equalization Basin
Reason: heavy rainfall
EGLE Action: Notice Letter, Proposed Draft Administrative Consent Order

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Gogebic-Iron WW Authority WWTP

Submission ID
19711

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/15/2018	10:00:00 AM	6/18/2018	10:00:00 PM

Rain(IN) = 7.82 MI0020125

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		14.1

Location: MH adjacent to Gogebic WWTP

Reason: heavy rainfall

EGLE Action: Notice Letter, Proposed Draft Administrative Consent Order

Gogebic-Iron WW Authority WWTP

Submission ID
19931

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	11:00:00 PM	8/28/2018	5:00:00 AM

Rain(IN) = 2.82 MI0020125

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.05	

Location: Flow Equalization Basin

Reason: heavy rainfall

EGLE Action: Notice Letter, Proposed Draft Administrative Consent Order

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Gogebic-Iron WW Authority WWTP

Submission ID
19931

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	11:00:00 PM	8/28/2018	5:00:00 AM

Rain(IN) = 2.82 MI0020125

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.003

Location: MH adjacent to Gogebic WWTP

Reason: heavy rainfall

EGLE Action: Notice Letter, Proposed Draft Administrative Consent Order

Gogebic-Iron WW Authority WWTP

Submission ID
20053

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:20:00 AM	10/11/2018	1:00:00 PM

MI0020125

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.012

Location: MH adjacent to Gogebic WWTP

Reason: fax cover only, awaiting SSO report and monitoring results

EGLE Action: Notice Letter, Proposed Draft Administrative Consent Order

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Gogebic-Iron WW Authority WWTP

Submission ID
20053

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:20:00 AM	10/11/2018	1:00:00 PM

MI0020125

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.921	

Location: Flow Equalization Basin

Reason: fax cover only, awaiting SSO report and monitoring results

EGLE Action: Notice Letter, Proposed Draft Administrative Consent Order

Totals Gogebic-Iron WW Authority WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	13.1226	14

County Totals Gogebic

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	18.4226	14.115

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Ingham

East Lansing WRRF

East Lansing WRRF

Submission ID
19805

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 3.22	MI0022853
2/20/2018	5:00:00 AM	2/24/2018	7:00:00 AM	Waterbody: Red Cedar River	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0025	

Location: aeration tanks at WWTP

Reason: unusally heavy rainfall and flooding event resulted in high flows through the plant. Aeration tanks bubbled over puddling activated sludge into the construction area.

Totals East Lansing WRRF

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0025	

Leslie WWTP

Leslie WWTP

Submission ID
19301

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 3.25	GW1810245
2/20/2018	5:00:00 AM	2/20/2018	7:30:00 AM	Waterbody: Huntoon Creek	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.002

Location: 640 Washburn St (Leslie WWTP)

Reason: high flow into plant due to heavy rainfall and snowmelt, resulitng in overflow of splitter box to the oxidation ditches

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Leslie WWTP

Submission ID
19801

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/2/2018	7:00:00 PM	3/3/2018	2:00:00 PM

GW1810245

Waterbody: Huntoon Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00025	

Location: 640 Washburn St (Leslie WWTP)

Reason: sewer line along creek was exposed and broken by falling tree, causing river water to enter the sewer. High flows at plant resulted in discharge to the ground from the clarifier.

Totals Leslie WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00025	

Mason WWTP

Mason WWTP

Submission ID
19353

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	7:00:00 PM	2/20/2018	8:00:00 PM

MI0020435

Waterbody: Sycamore Creek via Raynor Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005	

Reason: overflow from primary tank due to widespread heavy rainfall and snowmelt

EGLE Action: entered into ACO

Totals Mason WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Williamston WWTP

Williamston WWTP

Submission ID
19804

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:30:00 PM	2/21/2018	9:00:00 AM

Rain(IN) = 3.1
Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.45	

Location: 524 Sunset, Williamston
Reason: unusually heavy rainfall resulted in flow at plant exceeding capacity to treat.

Totals **Williamston WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.45	

County Totals **Ingham**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.45775	0.002

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Ionia

Portland WWTP

Portland WWTP

Submission ID
19256

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/25/2018	10:30:00 AM	1/25/2018	10:45:00 AM

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.3e-05	

Reason: WWTP operator drained supernatant from a fire hose, that was used to transfer supernatant to a separate tank for treatment, directly to a storm catch basin.

EGLE Action: needed.

Totals Portland WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.000013	

Sunset Ridge MHC-Portland Twp

Sunset Ridge MHC-Portland Twp

Submission ID
19762

MIG580381

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/30/2018	12:00:00 PM	7/2/2018	11:30:00 AM

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.5	

Location: Outfall 001

Reason: Transferring from two older sewage lagoons to a new lagoon. A discharge valve on the receiving lagoon was discovered to be unintentionally left open and discharging to the river. Last known time of no discharge was 6/30/2018 12 pm.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Totals	Sunset Ridge MHC-Portland Twp			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			2.5	

County Totals	Ionia			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			2.500013	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Kent

Grandville WWTP

Grandville WWTP

Submission ID
19386

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/25/2018	1:07:00 PM	3/3/2018	1:40:00 AM

Rain(IN) = 3.39
Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.9958	

Reason: Grand River flooding. Plant is currently meeting discharge limits, but must begin bypassing to avoid overwhelming the plant. Partially treated wastewater will go through settling basin, them disinfection before being discharged.

EGLE Action: The health dept and local newspaper were notified initially, but not at the conclusion of the event. WRD staff discussed this requirement with the superintendent via telephone on 4/16/2018 to be implemented for future events.

Totals Grandville WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.9958	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Jack Brown Produce Inc

Jack Brown Produce Inc

Submission ID
19746

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	6:00:00 AM	6/27/2018	9:00:00 AM

Rain(IN) = 0.3

MI0058992

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
.00005		

Location: 8035 Fruit Ridge

Reason: No more than 50 gallons discharge to ground (5-10 square ft beside tank) due to faulty EQ tank transducer resulting in tank overflow.

Totals Jack Brown Produce Inc

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Saddle Ridge Condo-Algoma

Saddle Ridge Condo-Algoma

Submission ID
19947

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/16/2018	7:00:00 AM	8/16/2018	10:00:00 AM

MI0056723

Waterbody: Rogue River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
.0001		

Location: WWTP garage door at 2827 Sunset Ridge Court

Reason: Mechanical/eletrical failure. Failure on the drum screen. Discharge at garage door on back of treatment building to drive and grass.

EGLE Action: Violation notice to be sent for discharge and failure to follow 24 hour notification requirement.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Saddle Ridge Condo-Algoma

Submission ID
19937

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/31/2018	6:00:00 AM	8/31/2018	9:30:00 AM

MI0056723

Waterbody: Rogue River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
.0005		

Location: WWTP garage door at 2827 Sunset Ridge Court

Reason: Mechanical/electrical failure. Drum screen drive motor breaker tripped off. Wastewater from lift station flowed through the drum onto the bag/floor. Floor drains are plumbed to lift station, but some wastewater flowed out the back of the buildin

EGLE Action: Violation notice to be sent for discharge and failure to follow 24 hour notification requirement.

Saddle Ridge Condo-Algoma

Submission ID
HNK-BCFS-X84SX

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/18/2018	5:00:00 AM	12/18/2018	8:30:00 AM

MI0056723

Waterbody: Not Applicable - land only

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0006	

Location: Sewage treatment plant area and land next to the fence

Reason: The discharge was due to a broken valve on the influent line between the equalization tank and bio reactor 2. When bio reactor 1 feed pump was operating a portion of the equlazation tank effluent was also flowing into bio reactor 2. Bio reactor 2

EGLE Action: This sewage release was included, along with other compliance concerns, in a second violation notice/enforcement notice to the facility, dated March 21, 2019.

Totals Saddle Ridge Condo-Algoma

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0006	0.0006	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

County Totals	Kent		
Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)	
0.00065	8.9964		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Keweenaw

Grant Township CM

Grant Township CM

Submission ID
19433

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/4/2018	11:59:00 PM	3/5/2018	8:00:00 AM

Waterbody: Lake Superior

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.4	

Location: Lake Superior

Reason: Operator arrived at treatment plant on Monday March 5, 2018, and noticed during a visual inspection that the primary lagoon was empty.

Totals Grant Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.4	

Keweenaw Co-Mt H Greeley WWSL

Keweenaw Co-Mt H Greeley WWSL

Submission ID
19684

MIG580211

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	12:01:00 AM	5/3/2018	11:59:00 AM

Waterbody: Buffalo Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.083	

Location: outfall 001

Reason: snow load, operator probably submitted this report earlier than 5/24 as it was discussed but neither of us can locate the record. RC

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Totals	Keweenaw Co-Mt H Greeley WWSL			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			0.083	

County Totals	Keweenaw			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			0.483	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Lapeer

Lapeer WWTP

Lapeer WWTP

Submission ID
19361

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:30:00 AM	2/21/2018	8:00:00 PM

Rain(IN) = 2.5 MI0020460
Waterbody: Flint River, South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	6	

Location: Retention basin at WWTP
Reason: partial bypass of treatment due to heavy rainfall and I/I exceeding capacity of plant

Lapeer WWTP

Submission ID
19811

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	3:45:00 PM	4/16/2018	8:46:00 PM

Rain(IN) = 2.37 MI0020460
Waterbody: Flint River, South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.66	

Location: Retention basin at WWTP
Reason: unusually heavy rainfall resulted in flow to plant exceeding capacity and discharging partially treated flow from basin.

Totals Lapeer WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	10.66	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

County Totals Lapeer

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	10.66	

Macomb

Warren WWTP

Warren WWTP

Submission ID
19873

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/8/2018	6:56:00 AM	8/8/2018	8:00:00 AM

MI0024295

Waterbody: Red Run Drain (tributary to Clinton River)

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.1	

Location: WWTP - Spitting box

Reason: Gate in splitting box inadvertently closed due to a brief electrical outage cause sewage to overflow the splitting box and discharge to the ground. Approximately 30,0000 gallons flowed to a catch basin and was discharged to beaver creek

Totals Warren WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.1	

County Totals Macomb

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.1	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Marquette

Marquette WWTP

Marquette WWTP

Submission ID
19675

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	12:00:00 PM	4/15/2018	1:15:00 PM

Waterbody: Carp River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005	

Reason: Accidental tank overflow.

Marquette WWTP

Submission ID
20083

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/24/2018	9:00:00 AM	10/24/2018	9:10:00 AM

Waterbody: Carp River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0005	

Reason: Filtrate well overflowed. Pumps were not running due to suspected SCADA issue. High level alarm did work, however it was not set up to call out during working hours and was not immediately noticed

Totals Marquette WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0055	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

County Totals Marquette

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0055	

Midland

Coleman WWSL

Coleman WWSL

Submission ID
19972

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/29/2018	7:30:00 AM	8/31/2018	5:00:00 PM

Rain(IN) = 8

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.8	

Reason: excessive rain

Totals Coleman WWSL

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.8	

County Totals Midland

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.8	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Monroe

Dundee WWTP

Dundee WWTP

Submission ID
19794

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	2:00:00 PM	6/5/2018	8:00:00 AM

MI0020401

Waterbody: River Raisin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	60.228	

Location: WWTP, outfall 001

Reason: Plant is undergoing numerous upgrades and half of the membranes were taken off line during the spring rains. This resulted in only half of the membranes being able to treat the sewage while having high flows coming in.

EGLE Action: Evaluated response, response adequate.

Totals Dundee WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	60.228	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Monroe Metro WWTP CM

Monroe Metro WWTP CM

Submission ID
19574

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/16/2018	1:30:00 AM	4/16/2018	10:55:00 AM

Rain(IN) = 2.18
Waterbody: Lake Erie

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.755	

Location: Outfall 001A
Reason: Heavy rain and coastal flooding caused the flow to exceed the plant capacity.
EGLE Action: Evaluated local response. Response adequate.

Totals Monroe Metro WWTP CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.755	

County Totals Monroe

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	61.983	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Oakland

Oakland Co-Pontiac WWTP

Oakland Co-Pontiac WWTP

Submission ID
19400

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 2.2	MI0023825
2/20/2018	7:15:00 AM	2/22/2018	1:30:00 AM	Waterbody: Clinton River	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	30	

Location: Auburn WWTP

Reason: Very heavy flow as a result of unseasonal warm weather, rainfall, and snowmelt, extreme plant influent flow. 3MG primary influent bypassed as well as 27MG of primary effuent by-passed secondary and tertiary unit processes directly to chlorination.

EGLE Action: Evaluation of event has determined that no further action is necessary at this time.

Oakland Co-Pontiac WWTP

Submission ID
19402

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 2.2	MI0023825
2/20/2018	5:15:00 PM	2/20/2018	5:35:00 PM	Waterbody: Clinton River	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.001

Location: East Boulevard WWTP.

Reason: gripper rake at the East Blvd Palnt plugged and overflowed. Very heavy flow event. See report .

EGLE Action: Evaluation of event has determined that no further action is necessary at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Oakland Co-Pontiac WWTP

Submission ID
19646

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	3:29:00 PM	4/17/2018	4:45:00 AM

Rain(IN) = 1.87 MI0023825

Waterbody: Clinton River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	25	

Location: Auburn WWTP

Reason: Rainfall caused high flows. Primary treatment effluent by-passed aeration tanks and tertiary filters, All flow disinfected.

EGLE Action: Evaluation of event has determined that no further action is necessary at this time.

Oakland Co-Pontiac WWTP

Submission ID
19700

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/7/2018	7:10:00 AM	6/7/2018	8:00:00 AM

MI0023825

Waterbody: Clinton River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.379	

Location: Auburn WWTP

Reason: Flow unable pass tertiary filters. Carryover from final clarifier. Solids blocked filter. 27,000 gallons overflowed onto ground,.

EGLE Action: Evaluation of event has determined that no further action is necessary at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Oakland Co-Pontiac WWTP

Submission ID
20040

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/30/2018	4:30:00 PM	9/30/2018	5:00:00 PM

MI0023825

Waterbody: Clinton River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.8e-05	

Location: Auburn WWTP

Reason: Leak from a ferrous chloride pump. . The spill discharged to an on site storm drain and ultimately impacted the Clinton River. A chemical spill kit was used to clean the affected areas.

EGLE Action: Evaluation of event has determined that no further action is necessary at this time.

Totals Oakland Co-Pontiac WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	55.379018	

Wixom WWTP

Wixom WWTP

Submission ID
19392

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:00:00 AM	2/22/2018	10:00:00 AM

Rain(IN) = 2.21

MI0024384

Waterbody: Norton Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	7	

Location: Effluent outfall

Reason: Excessive flows due to rain 2.21" and melting snow 5" in the service area. Ground saturated. Plant flow capacity exceeded.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Wixom WWTP

Submission ID
19673

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	10:30:00 AM	5/12/2018	11:11:00 AM

MI0024384

Waterbody: Norton Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1e-05	

Location: Effluent outfall

Reason: small overflow of splitter box by passing tertiary filters 100 gallons. Reduced pumping rate.

Totals Wixom WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.00001	

County Totals Oakland

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	62.379028	0.001

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Osceola

Reed City WWTP

Reed City WWTP

Submission ID
19575

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/28/2018	9:30:00 PM	4/29/2018	7:00:00 AM

MI0020036

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.28	

Location: 700 Commerce Drive
Reason: Valve failure, computer software failure, and human error (Auto dial turned off)
EGLE Action: Directed lime to be placed over entire area

Totals **Reed City WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.28	

County Totals **Osceola**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.28	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Ottawa

Grand Haven-Spring Lake WWTP

Grand Haven-Spring Lake WWTP

Submission ID
19229

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/4/2018	12:30:00 AM	1/4/2018	3:30:00 AM

MI0021245

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.312	

Reason: The UV system failed allowing partially treated wastewater (not disinfected) to be discharged to the Grand River.

Totals Grand Haven-Spring Lake WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.312	

Hillshire Brands-Zeeland

Hillshire Brands-Zeeland

Submission ID
19264

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/24/2018	3:30:00 PM	3/21/2018	12:59:00 PM

MI0037451

Waterbody: Blendon/Olive Drain via DeWitt Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	unspecP	

Reason: Two "weeps" of partially treated sludge were discovered discharging to the ground at the eastern and western base of Sludge Storage Tank #3.

EGLE Action: A VN will be sent for this release and another that occurred on 12/17/15.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Totals **Hillshire Brands-Zeeland**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)

Indian Trails Childrens Camp

Indian Trails Childrens Camp

Submission ID
HNK-YBAE-BPHAE

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/15/2018	12:00:00 AM	1/8/2019	10:30:00 AM

MIG580134

Waterbody: Sand Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.000539	

Location: Outfall 001

Reason: leaking discharge valve on South Pond was discovered during Facility inspection with Chris Veldcamp.

EGLE Action: A Violation Notice will be issued for SSO, failure to notify the health department and newspaper as required. It will also cite the permittee's failure to conduct the required lagoon inspections.

Totals **Indian Trails Childrens Camp**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.000539	

County Totals **Ottawa**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.312539	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Roscommon

Suds of St Helen

Suds of St Helen

Submission ID
20030

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/2/2018	2:15:00 PM	10/2/2018	2:20:00 PM

Rain(IN) = 1.6

GW1010301

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Location: 1601 St Helen Road, St Helen

Reason: Drainfield (DF) not draining is saturated and water from septic tank (ST) came up to the surface. The water from ST is pumped to DF when the pump was running water was bubbling up in different locations.

Suds of St Helen

Submission ID
HNK-6NTT-T6MEZ

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/19/2018	3:30:00 PM	12/19/2018	3:30:00 PM

Waterbody: N/A

GW1010302

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Location: LA-1

Reason: Septic Tank Effluent surfaced at edge of drain field, drainfield has failed

EGLE Action: Violation Notice sent to facility for failing drainfield

Totals Suds of St Helen

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0002	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

County Totals	Roscommon			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			0.0002	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Saginaw

Buena Vista Twp WWTP

Buena Vista Twp WWTP

Submission ID
19845

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 2.68	MI0022497
4/16/2018	1:00:00 PM	4/20/2018	7:30:00 AM	Waterbody: Gage Drain	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.526	

Location: Storage Basin at WWTP (aka Outfall 002)
Reason: Excessive rain with snow melt
EGLE Action: Negotiating ACO with schedule for corrective actions

Buena Vista Twp WWTP

Submission ID
20102

SRT_DAY	SRT_TIME	END_DAY	END_TIME	MI0022497
11/2/2018	10:00:00 PM	11/3/2018	5:00:00 AM	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
.3		

Location: Screening building WWTP
Reason: Discharge hose at grit structure broke loose

Totals Buena Vista Twp WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.3	9.526	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

County Totals Saginaw

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.3	9.526	

Sanilac

Sandusky WWTP

Sandusky WWTP

Submission ID
19843

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/10/2018	10:00:00 AM	7/10/2018	2:00:00 PM

Waterbody: Berry Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02	

Reason: A digestor supernate pump was left on overnight and started to pump sludge, which clogged the receiving structure at the head of the plant. The supernate then overflowed in to Barry Drain

Totals Sandusky WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02	

County Totals Sanilac

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Shiawassee

Durand WWTP

Durand WWTP

Submission ID
19327

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 2.48	MI0022063
2/20/2018	6:00:00 AM	2/21/2018	7:00:00 PM	Waterbody: Holly Drain	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.2	

Location: Outfall 001-WWTP overflow
Reason: flow during heavy rainfall exceeded capacity of plant
EGLE Action: ACO

Totals Durand WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.2	

Owosso/Mid Shiawassee Co WWTP

Owosso/Mid Shiawassee Co WWTP

Submission ID
19328

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 2.76
2/20/2018	8:30:00 AM	2/23/2018	12:01:00 AM	Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.2

Location: MH at WWTP on Chippewa Trail
Reason: bypass pumped wastewater to river at the plant headworks due to extreme high flow during heavy rainfall event

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Totals	Owosso/Mid Shiawassee Co WWTP			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
				1

County Totals	Shiawassee			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			1.2	1.2

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

St. Clair

St Clair WWTP

St Clair WWTP

Submission ID
19343

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	4:00:00 AM	2/22/2018	3:00:00 AM

Rain(IN) = 2 MI0020591

Waterbody: st clair river

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.8

Location: Overflow Tanks
Reason: Discharge from top of wet weather tank
EGLE Action: SSES report due 4/01/2001

St Clair WWTP

Submission ID
19503

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/16/2018	2:00:00 AM	4/16/2018	4:00:00 PM

MI0020591

Waterbody: st clair river

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.95	

Location: Overflow Tanks
Reason: Discharge from top of wet weather tank
EGLE Action: SSES report due 4/01/2001

Totals St Clair WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.95	2

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

County Totals St. Clair

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.95	1.8

Tuscola

Caro WWTP

Caro WWTP

Submission ID
19844

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/4/2018	9:20:00 AM	5/4/2018	9:25:00 AM

Waterbody: Cass River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Reason: Drying beds overfilled before transfer pump could be shut off. Over flow on bank south of drying beds.

EGLE Action: Requested plan and schedule for I/I investigation.

Totals Caro WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

County Totals Tuscola

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Van Buren

Cass Co-Lakes WW Collection

Cass Co-Lakes WW Collection

Submission ID
19893

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/20/2018	2:00:00 PM	8/20/2018	2:10:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
.03		

Location: Headworks at WWTP

Reason: Overflow occurred during maintenance when both pumps in the plant lift station started and overwhelmed the plant headworks. It could also be a partial pipe blockage

EGLE Action: No additional action taken by MDEQ. Municipality found and removed a pipe blockage that resolved the capacity issue.

Totals Cass Co-Lakes WW Collection

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03		

County Totals Van Buren

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Washtenaw

YCUA Regional WWTP

YCUA Regional WWTP

Submission ID
19553

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	6:57:00 AM	4/15/2018	11:00:00 AM

MI0042676

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.254	

Reason: Intermittent power disruptions due to ice storm caused loss of power to substations internal to WWTP. To avoid spillage of 2nd effluent to environment, 2nd effluent partially bypass tertiary filters.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

YCUA Regional WWTP

Submission ID
19554

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	7:10:00 PM	4/17/2018	6:50:00 AM

Rain(IN) = 0.99

MI0042676

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	20.44	

Reason: WWTP received influent flows in excess of 70mgd. Due to heavy flows, west tertiary filters became inoperable and required immediate maintenace. 2nd effluent bypassed tertiary filters to avoid spillage to environment.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

YCUA Regional WWTP

Submission ID
19584

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/24/2018	11:39:00 AM	4/24/2018	12:09:00 PM

MI0042676

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.17	

Reason: Conducting preventative maintenance on 2 transformers, experienced a longer than expected power interruption as tie breaker failed to close resulted in loss of control of secondary effluent pumps.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

YCUA Regional WWTP

Submission ID
19648

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	6:37:00 AM	5/17/2018	5:00:00 AM

Rain(IN) = 2.53

MI0042676

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	59.02	

Reason: WWTP received influent flows in excess of 70mgd. Due to heavy flows, west tertiary filters became inoperable and required immediate maintenace. 2nd effluent bypassed tertiary filters to avoid spillage to environment.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

Totals YCUA Regional WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	79.884	

County Totals Washtenaw

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	79.884	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Wayne

Downriver WTF

Downriver WTF

Submission ID
19852

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/30/2018	6:25:00 PM	6/30/2018	6:35:00 PM

MI0021156

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
.438		

Location: Downriver WWTP
Reason: Blinded fine screens
EGLE Action: No corrective action required. Since all SSO was contained on site and routed to the head of the plant for full treatment.

Downriver WTF

Submission ID
19905

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	2:15:00 AM	8/1/2018	2:19:00 AM

MI0021156

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.125

Location: Downriver WWTP
Reason: Blinded fine screens
EGLE Action: No corrective action required. Since all SSO was contained on site and routed to the head of the plant for full treatment.

Totals Downriver WTF

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.438		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

GLWA WRRF

GLWA WRRF

Submission ID
19269

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/26/2018	7:29:00 PM	1/26/2018	7:38:00 PM

MI0022802

Waterbody: Detroit River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	5	

Location: Outfall 049F

Reason: Secondary treated wastewater - not disinfected. A chlorine leak in the chemical feed room from a unit in-service which resulted in the shut down of chlorine feed system until the leak was isolated and process area was safe for reentry.

EGLE Action: Issued NPDES Permit with CSO Control Program requirements to permittee.

NPDES Permit requires implementation of CSO Control Plan

GLWA WRRF

Submission ID
20084

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	8:30:00 AM	10/31/2018	9:11:00 AM

Rain(IN) = 1.22

MI0022802

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	3	

Location: Near Primary Tanks #9 & #10

Reason: During the Wet Weather Event; flow path for preliminary treated wastewater to primary tanks was hydrualically overloaded and spilled over to the plant grounds, drained to headworks.

Totals GLWA WRRF

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	8	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

Grosse Ile Twp WWTP

Grosse Ile Twp WWTP

Submission ID
19536

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 2.39	MI0026191
4/15/2018	9:30:00 PM	4/16/2018	1:30:00 PM	Waterbody: Detroit River (Trenton Channel)	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.5	

Location: Grosse Ile WWTP
Reason: High I/I from heavy storm. First bypass/blend since 1997.
EGLE Action: 6th Amended AACO-0023 issued., ACO issued
Completion of Construction by 10/31/25.

Totals Grosse Ile Twp WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.5	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

S Huron Valley UA WWTP

S Huron Valley UA WWTP

Submission ID
19364

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 1.55	MI0043800
2/20/2018	1:43:00 PM	2/22/2018	7:24:00 AM	Waterbody: Detroit River	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	24.3	

Location: WWTP Sec. Bypass
Reason: Blending, due to high I/I from rain and snowmelt.
EGLE Action: SSOs and bypasses are currently under investigation to determine if enforcement is necessary
Schedule of compliance included in 2004 ACO and 2004 Court Order. ACO closed 2014.

S Huron Valley UA WWTP

Submission ID
19521

SRT_DAY	SRT_TIME	END_DAY	END_TIME	Rain(IN) = 1.73	MI0043800
4/15/2018	1:20:00 PM	4/16/2018	8:38:00 PM	Waterbody: Detroit River	

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	23.43	

Location: WWTP Sec. Bypass
Reason: Excessive flows due to high rain in the service area.
EGLE Action: SSOs and bypasses are currently under investigation to determine if enforcement is necessary
Schedule of compliance included in 2004 ACO and 2004 Court Order. ACO closed 2014.

Totals S Huron Valley UA WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	47.73	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Other Detail Report
January 1 - December 31, 2018

County Totals	Wayne		
Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)	
0.438	58.23	0.125	

Report Totals

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.77	800.14	17.24

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Berrien

Niles WWTP

Niles WWTP

Submission ID
19349

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:30:00 PM	2/20/2018	10:45:00 PM

Rain(IN) = 4.5

MI0023701

Waterbody: St. Joseph River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.212

Actions by EGLE: Long term control program: LTCP (sewer separation project) completed. Facility was unable to certify that the project meets the performance requirements and is in negotiation with the Department to develop a Corrective Action Plan.

Totals Niles WWTP

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.212

St Joseph CSO

St Joseph CSO

Submission ID
19236

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/11/2018	11:37:00 AM	1/11/2018	2:12:00 PM

Rain(IN) = 0.3

MI0026735

Waterbody: St. Joseph River (Morrison Channel)

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.008

Actions by EGLE: Long term control program: LTCP being implemented. The City will complete construction of the wet weather storage on or before November 1, 2020.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

St Joseph CSO

Submission ID
19241

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/11/2018	8:21:00 PM	1/11/2018	11:47:00 PM

Rain(IN) = 0.3 MI0026735

Waterbody: St. Joseph River (Morrison Channel) Outfall 005

Partially Treated (MG) Dilute Raw Sewage (MG)

0.044

Actions by EGLE: Long term control program: LTCP being implemented. The City will complete construction of the wet weather storage on or before November 1, 2020.

St Joseph CSO

Submission ID
19299

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	12:15:00 AM	2/23/2018	11:32:00 PM

Rain(IN) = 5.15 MI0026735

Waterbody: St. Joseph River (Morrison Channel) Outfall 005

Partially Treated (MG) Dilute Raw Sewage (MG)

5.65

Actions by EGLE: Long term control program: LTCP being implemented. The City will complete construction of the wet weather storage on or before November 1, 2020.

St Joseph CSO

Submission ID
19399

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	9:34:00 AM	3/1/2018	11:08:00 PM

Rain(IN) = 1.2 MI0026735

Waterbody: St. Joseph River (Morrison Channel) Outfall 005

Partially Treated (MG) Dilute Raw Sewage (MG)

0.4

Actions by EGLE: Long term control program: LTCP being implemented. The City will complete construction of the wet weather storage on or before November 1, 2020.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

St Joseph CSO

Submission ID
19587

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	1:52:00 AM	5/3/2018	12:50:00 PM

Rain(IN) = 2.39 MI0026735

Waterbody: St. Joseph River (Morrison Channel) Outfall 005

Partially Treated (MG) Dilute Raw Sewage (MG)

0.571

Actions by EGLE: Long term control program: LTCP being implemented. The City will complete construction of the wet weather storage on or before November 1, 2020.

St Joseph CSO

Submission ID
19633

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/14/2018	6:37:00 AM	5/15/2018	4:33:00 PM

Rain(IN) = 5.43 MI0026735

Waterbody: St. Joseph River (Morrison Channel) Outfall 005

Partially Treated (MG) Dilute Raw Sewage (MG)

2.166

Actions by EGLE: Long term control program: LTCP being implemented. The City will complete construction of the wet weather storage on or before November 1, 2020.

St Joseph CSO

Submission ID
19734

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/21/2018	2:57:00 PM	6/23/2018	1:19:00 AM

Rain(IN) = 2.69 MI0026735

Waterbody: St. Joseph River (Morrison Channel) Outfall 005

Partially Treated (MG) Dilute Raw Sewage (MG)

4.05

Actions by EGLE: Long term control program: LTCP being implemented. The City will complete construction of the wet weather storage on or before November 1, 2020.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

St Joseph CSO

Submission ID
19750

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/1/2018	9:15:00 PM	7/1/2018	9:44:00 PM

Rain(IN) = 0.52 MI0026735

Waterbody: St. Joseph River (Morrison Channel) Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005

Actions by EGLE: Long term control program: LTCP being implemented. The City will complete construction of the wet weather storage on or before November 1, 2020.

St Joseph CSO

Submission ID
19771

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/5/2018	12:51:00 AM	7/5/2018	1:51:00 AM

Rain(IN) = 0.62 MI0026735

Waterbody: St. Joseph River (Morrison Channel) Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.025

Actions by EGLE: Long term control program: LTCP being implemented. The City will complete construction of the wet weather storage on or before November 1, 2020.

Totals St Joseph CSO

Partially Treated (MG)	Dilute Raw Sewage (MG)
	12.919

County Totals Berrien

Partially Treated (MG)	Dilute Raw Sewage (MG)
	13.13

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Ingham

Lansing WWTP

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/21/2018	3:00:00 AM	1/22/2018	4:15:00 PM

Rain(IN) = 0.81

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.032

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/21/2018	11:00:00 PM	1/23/2018	1:00:00 AM

Rain(IN) = 0.81

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.112

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/21/2018	11:15:00 PM	1/23/2018	1:45:00 AM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.284

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/21/2018	11:30:00 PM	1/23/2018	1:30:00 AM

Rain(IN) = 0.81

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.193

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:00:00 AM	1/22/2018	2:15:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.389

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:00:00 AM	1/23/2018	1:15:00 AM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.073

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:00:00 AM	1/23/2018	1:00:00 AM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.785

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:15:00 AM	1/23/2018	2:00:00 AM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.777

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:15:00 AM	1/22/2018	2:30:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.304

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:15:00 AM	1/22/2018	2:00:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.174

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
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Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:15:00 AM	1/22/2018	4:15:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.668

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:15:00 AM	1/22/2018	3:15:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.049

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:30:00 AM	1/22/2018	3:00:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.486

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:30:00 AM	1/22/2018	1:45:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.409

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19257

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	6:15:00 AM	1/22/2018	7:15:00 AM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.089

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:00:00 AM	2/21/2018	9:00:00 AM

Rain(IN) = 3.38

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.339

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:00:00 AM	2/20/2018	2:00:00 PM

Rain(IN) = 3.38

MI0023400

Waterbody: Grand River

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.491

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:00:00 AM	2/21/2018	8:30:00 AM

Rain(IN) = 3.38

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.905

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

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January 1 - December 31, 2018

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:00:00 AM	2/21/2018	10:15:00 AM

Rain(IN) = 3.38

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.229

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:00:00 AM	2/20/2018	2:00:00 PM

Rain(IN) = 3.38

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.356

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:15:00 AM	2/21/2018	8:15:00 AM

Rain(IN) = 3.38

MI0023400

Waterbody: Grand River

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.345

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:45:00 AM	2/21/2018	9:45:00 AM

Rain(IN) = 3.38

MI0023400

Waterbody: Grand River

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.643

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
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Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	11:30:00 AM	2/21/2018	8:45:00 AM

Rain(IN) = 3.38

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.825

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	12:00:00 PM	2/21/2018	9:00:00 AM

Rain(IN) = 3.38

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.428

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
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Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	12:00:00 PM	2/21/2018	8:45:00 AM

Rain(IN) = 3.38

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.815

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	12:00:00 PM	2/21/2018	10:15:00 AM

Rain(IN) = 3.38

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.929

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	12:00:00 PM	2/21/2018	9:30:00 AM

Rain(IN) = 3.38

MI0023400

Waterbody: Grand River

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.649

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	12:15:00 PM	2/21/2018	9:30:00 AM

Rain(IN) = 3.38

MI0023400

Waterbody: Grand River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.281

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	12:15:00 PM	2/21/2018	7:30:00 AM

Rain(IN) = 3.38

MI0023400

Waterbody: Grand River

Outfall 019

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.929

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	12:30:00 AM	2/20/2018	7:15:00 PM

Rain(IN) = 3.38

MI0023400

Waterbody: Grand River

Outfall 008

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.308

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	12:00:00 AM	3/27/2018	4:00:00 PM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.046

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	12:15:00 AM	3/27/2018	4:15:00 PM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.116

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	12:30:00 AM	3/27/2018	4:00:00 PM

Rain(IN) = 0.37

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.078

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	1:00:00 AM	3/27/2018	10:15:00 AM

Rain(IN) = 0.37

MI0023400

Waterbody: Grand River

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.03

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	1:00:00 AM	3/27/2018	11:00:00 AM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.319

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	1:15:00 AM	3/27/2018	10:45:00 AM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.151

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	1:15:00 AM	3/27/2018	11:45:00 AM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.313

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	1:30:00 AM	3/27/2018	11:00:00 AM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.122

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	1:30:00 AM	3/27/2018	10:45:00 AM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.068

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	1:45:00 AM	3/27/2018	12:15:00 PM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.64

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	1:45:00 AM	3/27/2018	11:30:00 AM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.8

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	2:00:00 AM	3/27/2018	11:30:00 AM

Rain(IN) = 0.37

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.193

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	2:00:00 AM	3/27/2018	12:15:00 PM

Rain(IN) = 0.37

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.014

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19595

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	2:15:00 AM	3/27/2018	9:30:00 AM

Rain(IN) = 0.37

MI0023400

Waterbody: Grand River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.114

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	8:15:00 AM	4/3/2018	11:45:00 PM

Rain(IN) = 0.6

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.215

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	8:30:00 AM	4/3/2018	11:30:00 PM

Rain(IN) = 0.6

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.145

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	2:00:00 PM	4/3/2018	11:15:00 PM

Rain(IN) = 0.6
Waterbody: Grand River

MI0023400
Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.055

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	2:00:00 PM	4/4/2018	12:00:00 AM

Rain(IN) = 0.6
Waterbody: Grand River

MI0023400
Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.592

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	2:15:00 PM	4/3/2018	11:45:00 PM

Rain(IN) = 0.6
Waterbody: Grand River

MI0023400
Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.292

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	2:15:00 PM	4/4/2018	12:45:00 AM

Rain(IN) = 0.6
Waterbody: Grand River

MI0023400
Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.587

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	2:30:00 PM	4/4/2018	12:00:00 AM

Rain(IN) = 0.6

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.229

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	2:30:00 PM	4/3/2018	11:45:00 PM

Rain(IN) = 0.6

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.13

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	2:45:00 PM	4/4/2018	12:45:00 AM

Rain(IN) = 0.6

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.256

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	2:45:00 PM	4/4/2018	12:30:00 AM

Rain(IN) = 0.6

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.54

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	3:00:00 PM	4/4/2018	12:30:00 AM

Rain(IN) = 0.6
Waterbody: Grand River

MI0023400
Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.365

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	3:00:00 PM	4/3/2018	8:45:00 PM

Rain(IN) = 0.6
Waterbody: Grand River

MI0023400
Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.308

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	3:00:00 PM	4/4/2018	12:45:00 AM

Rain(IN) = 0.6

Waterbody: Red Cedar River

MI0023400

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.024

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	3:30:00 PM	4/3/2018	6:15:00 PM

Rain(IN) = 0.6

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.032

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19470

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	11:00:00 PM	4/3/2018	11:00:00 PM

Rain(IN) = 0.6

Waterbody: Grand River

MI0023400

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.085

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/13/2018	10:00:00 PM	4/15/2018	5:30:00 PM

Rain(IN) = 1.98

Waterbody: Red Cedar River

MI0023400

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.964

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/13/2018	10:00:00 PM	4/15/2018	4:00:00 AM

Rain(IN) = 1.98

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.197

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/13/2018	10:15:00 PM	4/15/2018	3:30:00 PM

Rain(IN) = 1.98

MI0023400

Waterbody: Grand River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.755

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/13/2018	10:30:00 PM	4/15/2018	3:15:00 PM

Rain(IN) = 1.98

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.511

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:00:00 AM	4/15/2018	3:15:00 PM

Rain(IN) = 1.98

MI0023400

Waterbody: Grand River

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.032

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:00:00 AM	4/15/2018	2:45:00 PM

Rain(IN) = 1.98
Waterbody: Grand River

MI0023400
Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.195

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:00:00 AM	4/15/2018	4:00:00 AM

Rain(IN) = 1.98
Waterbody: Grand River

MI0023400
Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.361

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:15:00 AM	4/15/2018	4:30:00 PM

Rain(IN) = 1.98

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.057

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:30:00 AM	4/15/2018	4:00:00 PM

Rain(IN) = 1.98

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.294

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:30:00 AM	4/15/2018	3:00:00 PM

Rain(IN) = 1.98

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.46

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:30:00 AM	4/15/2018	5:30:00 PM

Rain(IN) = 1.98

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.443

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:30:00 AM	4/15/2018	4:15:00 PM

Rain(IN) = 1.98

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.445

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:45:00 AM	4/15/2018	3:45:00 PM

Rain(IN) = 1.98

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.807

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19509

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:45:00 AM	4/15/2018	2:45:00 PM

Rain(IN) = 1.98

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.077

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	8:00:00 PM	5/4/2018	2:30:00 AM

Rain(IN) = 0.72

Waterbody: Red Cedar River

MI0023400

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.028

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	8:00:00 PM	5/4/2018	12:00:00 AM

Rain(IN) = 0.72

Waterbody: Grand River

MI0023400

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.095

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	8:15:00 PM	5/4/2018	12:30:00 AM

Rain(IN) = 0.72

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.238

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	8:30:00 PM	5/4/2018	12:15:00 AM

Rain(IN) = 0.72

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.161

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	9:00:00 PM	5/4/2018	1:00:00 AM

Rain(IN) = 0.72

MI0023400

Waterbody: Grand River

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.654

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	9:15:00 PM	5/3/2018	11:45:00 PM

Rain(IN) = 0.72

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.062

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	9:45:00 PM	5/4/2018	1:30:00 AM

Rain(IN) = 0.72

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.651

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	12:15:00 AM	5/4/2018	12:15:00 AM

Rain(IN) = 0.72

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.32

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	12:45:00 AM	5/4/2018	1:00:00 AM

Rain(IN) = 0.72

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.403

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	12:45:00 AM	5/4/2018	12:45:00 AM

Rain(IN) = 0.72

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.252

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	12:45:00 AM	5/4/2018	1:15:00 AM

Rain(IN) = 0.72

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.668

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19594

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	1:00:00 AM	5/3/2018	11:45:00 PM

Rain(IN) = 0.72

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.29

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:00:00 PM	5/9/2018	11:45:00 PM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.058

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:00:00 PM	5/10/2018	12:45:00 AM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.225

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:00:00 PM	5/10/2018	1:00:00 AM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.657

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:00:00 PM	5/10/2018	12:15:00 AM

Rain(IN) = 0.58

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.154

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:00:00 PM	5/10/2018	2:45:00 AM

Rain(IN) = 0.58

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.025

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:00:00 PM	5/10/2018	12:00:00 AM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.097

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:10:00 PM	5/10/2018	12:15:00 AM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.314

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:15:00 PM	5/10/2018	1:15:00 AM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.387

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:15:00 PM	5/10/2018	1:30:00 AM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.534

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:15:00 PM	5/10/2018	12:45:00 AM

Rain(IN) = 0.58

MI0023400

Waterbody: Grand River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.241

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:15:00 PM	5/10/2018	12:00:00 AM

Rain(IN) = 0.58

MI0023400

Waterbody: Grand River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.368

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:15:00 PM	5/10/2018	12:15:00 AM

Rain(IN) = 0.58

MI0023400

Waterbody: Grand River

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.139

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:15:00 PM	5/10/2018	2:45:00 AM

Rain(IN) = 0.58

MI0023400

Waterbody: Grand River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.331

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:15:00 PM	5/10/2018	1:30:00 AM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.63

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	9:30:00 PM	5/9/2018	11:15:00 PM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.397

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19609

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	10:15:00 PM	5/9/2018	11:30:00 PM

Rain(IN) = 0.58

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.089

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:00:00 AM	5/12/2018	11:15:00 AM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.086

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:00:00 AM	5/12/2018	11:45:00 AM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.331

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:00:00 AM	5/12/2018	12:00:00 PM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.912

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:00:00 AM	5/12/2018	11:30:00 AM

Rain(IN) = 0.93

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.225

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:00:00 AM	5/12/2018	11:00:00 AM

Rain(IN) = 0.93

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.131

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:15:00 AM	5/12/2018	7:00:00 AM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.445

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:30:00 AM	5/12/2018	12:00:00 PM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.905

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:30:00 AM	5/12/2018	11:45:00 AM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.352

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:30:00 AM	5/12/2018	11:15:00 AM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.199

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:45:00 AM	5/12/2018	8:15:00 AM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.892

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:45:00 AM	5/12/2018	7:45:00 AM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.341

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	10:00:00 AM	5/12/2018	7:45:00 AM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.559

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	10:00:00 AM	5/12/2018	3:45:00 AM

Rain(IN) = 0.93

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.444

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	10:00:00 AM	5/12/2018	11:15:00 AM

Rain(IN) = 0.93

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.051

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19707

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	4:15:00 PM	5/12/2018	1:15:00 AM

Rain(IN) = 0.93

MI0023400

Waterbody: Grand River

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.111

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	7:00:00 PM	5/13/2018	6:30:00 AM

Rain(IN) = 0.36

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.014

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	7:00:00 PM	5/13/2018	4:00:00 AM

Rain(IN) = 0.36

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.047

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	7:15:00 PM	5/13/2018	4:30:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.12

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	7:30:00 PM	5/13/2018	4:15:00 AM

Rain(IN) = 0.36

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.081

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:00:00 AM	5/13/2018	4:15:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.166

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:00:00 AM	5/13/2018	3:45:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.031

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:00:00 AM	5/13/2018	5:00:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.329

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:15:00 AM	5/13/2018	5:30:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.331

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:15:00 AM	5/13/2018	4:45:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.128

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:15:00 AM	5/13/2018	4:00:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.073

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:15:00 AM	5/13/2018	6:30:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.692

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:15:00 AM	5/13/2018	5:15:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.86

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:30:00 AM	5/13/2018	5:00:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.207

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19708

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	12:30:00 AM	5/13/2018	3:45:00 AM

Rain(IN) = 0.36

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.173

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:00:00 AM	5/15/2018	11:45:00 AM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.245

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:00:00 AM	5/15/2018	11:15:00 AM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.047

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:00:00 AM	5/15/2018	12:00:00 PM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.183

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:00:00 AM	5/15/2018	12:00:00 PM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.501

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:00:00 AM	5/15/2018	11:30:00 AM

Rain(IN) = 0.52

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.124

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:00:00 AM	5/15/2018	1:30:00 PM

Rain(IN) = 0.52

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.021

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:00:00 AM	5/15/2018	11:00:00 AM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.072

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:15:00 AM	5/15/2018	1:00:00 PM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.498

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:15:00 AM	5/15/2018	11:45:00 AM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.11

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:30:00 AM	5/15/2018	12:00:00 PM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.194

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:30:00 AM	5/15/2018	1:30:00 PM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.032

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:30:00 AM	5/15/2018	12:30:00 PM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.279

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:45:00 AM	5/15/2018	12:30:00 PM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.308

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	12:45:00 AM	5/15/2018	11:00:00 AM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.234

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19635

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	1:15:00 AM	5/15/2018	2:15:00 AM

Rain(IN) = 0.52

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.091

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	1:00:00 AM	5/19/2018	4:15:00 PM

Rain(IN) = 0.5

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.169

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	1:00:00 AM	5/19/2018	2:00:00 PM

Rain(IN) = 0.5

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.464

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	1:00:00 AM	5/19/2018	4:00:00 PM

Rain(IN) = 0.5

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.114

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	1:00:00 AM	5/19/2018	3:15:00 PM

Rain(IN) = 0.5

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.019

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	1:00:00 AM	5/19/2018	4:00:00 PM

Rain(IN) = 0.5

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.067

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	1:15:00 AM	5/19/2018	1:15:00 PM

Rain(IN) = 0.5
Waterbody: Grand River

MI0023400
Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.043

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	2:00:00 AM	5/19/2018	2:45:00 PM

Rain(IN) = 0.5
Waterbody: Grand River

MI0023400
Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.43

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	5:00:00 AM	5/19/2018	1:45:00 PM

Rain(IN) = 0.5
Waterbody: Grand River

MI0023400
Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.228

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	5:00:00 AM	5/19/2018	2:30:00 PM

Rain(IN) = 0.5
Waterbody: Grand River

MI0023400
Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.285

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	5:00:00 AM	5/19/2018	2:00:00 PM

Rain(IN) = 0.5
Waterbody: Grand River

MI0023400
Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.179

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	5:00:00 AM	5/19/2018	12:30:00 PM

Rain(IN) = 0.5
Waterbody: Grand River

MI0023400
Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.235

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	5:00:00 AM	5/19/2018	1:45:00 PM

Rain(IN) = 0.5

MI0023400

Waterbody: Grand River

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.102

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	5:00:00 AM	5/19/2018	3:15:00 PM

Rain(IN) = 0.5

MI0023400

Waterbody: Grand River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.964

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	5:00:00 AM	5/19/2018	2:30:00 PM

Rain(IN) = 0.5
Waterbody: Grand River

MI0023400
Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.189

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	5:15:00 AM	5/19/2018	6:15:00 AM

Rain(IN) = 0.5
Waterbody: Grand River

MI0023400
Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.222

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19661

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	5:30:00 AM	5/19/2018	6:30:00 AM

Rain(IN) = 0.5

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.033

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	12:00:00 PM	5/22/2018	12:15:00 AM

Rain(IN) = 0.41

Waterbody: Red Cedar River

MI0023400

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.016

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	12:00:00 PM	5/21/2018	10:00:00 PM

Rain(IN) = 0.41

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.054

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	12:15:00 PM	5/21/2018	11:00:00 PM

Rain(IN) = 0.41

MI0023400

Waterbody: Grand River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.138

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	12:30:00 PM	5/21/2018	10:30:00 PM

Rain(IN) = 0.41

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.094

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	3:00:00 PM	5/22/2018	11:00:00 PM

Rain(IN) = 0.41

MI0023400

Waterbody: Grand River

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.38

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	3:15:00 PM	5/21/2018	10:15:00 PM

Rain(IN) = 0.41
Waterbody: Grand River

MI0023400
Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.036

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	3:45:00 PM	5/22/2018	12:00:00 AM

Rain(IN) = 0.41
Waterbody: Grand River

MI0023400
Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.382

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	4:00:00 PM	5/21/2018	10:45:00 PM

Rain(IN) = 0.41

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.188

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	4:00:00 PM	5/21/2018	11:30:00 PM

Rain(IN) = 0.41

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.234

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	4:00:00 PM	5/21/2018	11:00:00 PM

Rain(IN) = 0.41

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.147

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	4:00:00 PM	5/21/2018	9:45:00 PM

Rain(IN) = 0.41

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.192

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	4:00:00 PM	5/21/2018	10:45:00 PM

Rain(IN) = 0.41

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.084

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	4:00:00 PM	5/22/2018	12:15:00 AM

Rain(IN) = 0.41

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.792

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	4:00:00 PM	5/21/2018	11:30:00 PM

Rain(IN) = 0.41

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.979

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19664

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	4:15:00 PM	5/21/2018	5:15:00 PM

Rain(IN) = 0.41

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.1

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	1:15:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.483

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	12:45:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.091

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	2:00:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.601

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	2:30:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.815

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	3:45:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.35

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	3:45:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.375

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	12:45:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.553

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	1:00:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.216

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	3:45:00 AM

Rain(IN) = 0.9
Waterbody: Grand River

MI0023400
Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.072

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	4:00:00 AM

Rain(IN) = 0.9
Waterbody: Grand River

MI0023400
Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.077

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	3:15:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.238

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	3:45:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.088

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	2:15:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.543

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:00:00 PM	5/31/2018	3:00:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.16

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:15:00 PM	5/31/2018	12:00:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.478

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:15:00 PM	5/30/2018	7:15:00 PM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 010

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.001

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19712

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	6:30:00 PM	5/31/2018	7:30:00 PM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.148

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	3:15:00 PM

Rain(IN) = 0.28

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.138

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	2:45:00 PM

Rain(IN) = 0.28
Waterbody: Grand River

MI0023400
Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.026

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	3:45:00 PM

Rain(IN) = 0.28
Waterbody: Grand River

MI0023400
Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.098

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	3:45:00 PM

Rain(IN) = 0.28

MI0023400

Waterbody: Grand River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.105

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	3:15:00 PM

Rain(IN) = 0.28

MI0023400

Waterbody: Grand River

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.061

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	5:45:00 PM

Rain(IN) = 0.28
Waterbody: Grand River

MI0023400
Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.568

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	4:00:00 PM

Rain(IN) = 0.28
Waterbody: Grand River

MI0023400
Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.27

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	3:15:00 PM

Rain(IN) = 0.28

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.067

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	5:45:00 PM

Rain(IN) = 0.28

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.012

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:00:00 PM	6/1/2018	3:00:00 PM

Rain(IN) = 0.28

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.039

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:15:00 PM	6/1/2018	4:15:00 PM

Rain(IN) = 0.28

MI0023400

Waterbody: Grand River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.17

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:15:00 PM	6/1/2018	4:30:00 PM

Rain(IN) = 0.28

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.273

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:15:00 PM	6/1/2018	2:45:00 PM

Rain(IN) = 0.28

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.154

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:15:00 PM	6/1/2018	4:30:00 PM

Rain(IN) = 0.28

MI0023400

Waterbody: Grand River

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.709

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:30:00 PM	6/1/2018	2:15:00 PM

Rain(IN) = 0.28

MI0023400

Waterbody: Grand River

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.124

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19713

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:45:00 PM	6/1/2018	2:15:00 PM

Rain(IN) = 0.28

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.003

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	8:15:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.15

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	7:45:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.028

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	8:45:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.106

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	8:45:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.115

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	8:15:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.066

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	10:45:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.62

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	9:00:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.293

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	8:15:00 AM

Rain(IN) = 0.3

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.073

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	10:45:00 AM

Rain(IN) = 0.3

Waterbody: Red Cedar River

MI0023400

Outfall 032

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.012

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	9:30:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.77

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:00:00 AM	6/3/2018	8:00:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.042

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:15:00 AM	6/3/2018	9:15:00 AM

Rain(IN) = 0.3
Waterbody: Grand River

MI0023400
Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.185

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:15:00 AM	6/3/2018	9:30:00 AM

Rain(IN) = 0.3
Waterbody: Grand River

MI0023400
Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.29

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:15:00 AM	6/3/2018	7:45:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.169

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:30:00 AM	6/3/2018	7:15:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.151

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19714

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	6:45:00 AM	6/3/2018	7:30:00 AM

Rain(IN) = 0.3

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	12:43:00 AM	6/9/2018	3:00:00 PM

Rain(IN) = 0.7

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.178

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	4:00:00 AM	6/9/2018	4:45:00 PM

Rain(IN) = 0.7

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.029

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	4:00:00 AM	6/9/2018	3:00:00 PM

Rain(IN) = 0.7

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.103

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	4:15:00 AM	6/9/2018	3:15:00 PM

Rain(IN) = 0.7
Waterbody: Grand River

MI0023400
Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.261

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:00:00 AM	6/9/2018	3:15:00 PM

Rain(IN) = 0.7
Waterbody: Grand River

MI0023400
Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.36

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:00:00 AM	6/9/2018	2:30:00 PM

Rain(IN) = 0.7
Waterbody: Grand River

MI0023400
Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.068

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:00:00 AM	6/9/2018	4:15:00 PM

Rain(IN) = 0.7
Waterbody: Grand River

MI0023400
Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.687

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:00:00 AM	6/19/2018	3:30:00 PM

Rain(IN) = 0.7

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.28

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:00:00 AM	6/9/2018	3:00:00 PM

Rain(IN) = 0.7

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.16

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:00:00 AM	6/9/2018	4:45:00 PM

Rain(IN) = 0.7

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.533

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:00:00 AM	6/9/2018	3:00:00 PM

Rain(IN) = 0.7

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.721

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:00:00 AM	6/9/2018	4:00:00 PM

Rain(IN) = 0.7

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.885

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:15:00 AM	6/9/2018	10:00:00 AM

Rain(IN) = 0.7

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.224

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:15:00 AM	6/9/2018	4:00:00 PM

Rain(IN) = 0.7

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.448

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:15:00 AM	6/9/2018	2:15:00 PM

Rain(IN) = 0.7

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.387

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19699

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	6:30:00 AM	6/9/2018	7:30:00 AM

Rain(IN) = 0.7

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.035

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	5:00:00 AM	6/27/2018	10:15:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.083

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	5:00:00 AM	6/27/2018	10:00:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.227

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	5:00:00 AM	6/27/2018	10:00:00 PM

Rain(IN) = 0.31

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.056

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	5:00:00 AM	6/27/2018	11:30:00 PM

Rain(IN) = 0.31

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	5:00:00 AM	6/27/2018	9:00:00 PM

Rain(IN) = 0.31

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.033

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	5:15:00 AM	6/27/2018	9:30:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.022

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	6:00:00 AM	6/27/2018	11:15:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.225

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	8:30:00 AM	6/27/2018	10:00:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.107

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	9:00:00 AM	6/27/2018	10:45:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.136

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	9:00:00 AM	6/27/2018	10:30:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.086

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	9:00:00 AM	6/27/2018	10:00:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.049

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	9:00:00 AM	6/27/2018	11:30:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.416

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	9:00:00 AM	6/27/2018	11:00:00 PM

Rain(IN) = 0.31

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.546

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19745

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	9:15:00 AM	6/27/2018	9:15:00 PM

Rain(IN) = 0.31

MI0023400

Waterbody: Grand River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.087

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:00:00 AM	7/13/2018	7:00:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Grand River

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.249

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:00:00 AM	7/13/2018	6:30:00 AM

Rain(IN) = 0.49
Waterbody: Grand River

MI0023400
Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.046

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:00:00 AM	7/13/2018	7:00:00 AM

Rain(IN) = 0.49
Waterbody: Grand River

MI0023400
Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.18

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:00:00 AM	7/13/2018	7:00:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Grand River

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.527

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:00:00 AM	7/13/2018	6:45:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.122

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:00:00 AM	7/13/2018	8:00:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.021

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:00:00 AM	7/13/2018	6:00:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.079

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:15:00 AM	7/13/2018	8:00:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.403

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:30:00 AM	7/13/2018	7:15:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.192

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:30:00 AM	7/13/2018	6:45:00 AM

Rain(IN) = 0.49
Waterbody: Grand River

MI0023400
Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.111

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:45:00 AM	7/13/2018	7:30:00 AM

Rain(IN) = 0.49
Waterbody: Grand River

MI0023400
Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.307

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:45:00 AM	7/13/2018	8:00:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Grand River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.039

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	12:45:00 AM	7/13/2018	7:30:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Grand River

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.294

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	1:00:00 AM	7/13/2018	3:00:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Grand River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.29

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	1:15:00 AM	7/13/2018	2:15:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Grand River

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.352

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19798

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/13/2018	1:30:00 AM	7/13/2018	2:30:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.091

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	5:00:00 AM	7/20/2018	11:15:00 AM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.083

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	5:00:00 AM	7/20/2018	11:00:00 AM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.228

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	5:00:00 AM	7/20/2018	11:00:00 AM

Rain(IN) = 0.26

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.057

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	5:00:00 AM	7/20/2018	1:00:00 PM

Rain(IN) = 0.26

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	5:00:00 AM	7/20/2018	10:00:00 AM

Rain(IN) = 0.26

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.033

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	5:15:00 AM	7/20/2018	10:30:00 AM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.021

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	6:00:00 AM	7/20/2018	12:11:00 PM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.232

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	8:00:00 AM	7/20/2018	11:00:00 AM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.115

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	8:15:00 AM	7/20/2018	11:45:00 AM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.142

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	8:15:00 AM	7/20/2018	11:30:00 AM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.089

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	8:15:00 AM	7/20/2018	10:15:00 AM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.121

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	8:15:00 AM	7/20/2018	11:00:00 AM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.051

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	8:15:00 AM	7/20/2018	1:00:00 PM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.474

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	8:15:00 AM	7/20/2018	12:00:00 PM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.593

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19823

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	8:30:00 AM	7/20/2018	9:15:00 AM

Rain(IN) = 0.26

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.047

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19864

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	8:45:00 AM	8/1/2018	1:39:00 PM

Rain(IN) = 0.16

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01323

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	10:00:00 PM	8/8/2018	8:30:00 AM

Rain(IN) = 0.82

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.32

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	10:00:00 PM	8/8/2018	6:00:00 AM

Rain(IN) = 0.82

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.912

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	10:00:00 PM	8/8/2018	5:15:00 AM

Rain(IN) = 0.82

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.218

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	10:00:00 PM	8/8/2018	7:30:00 AM

Rain(IN) = 0.82

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.035

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	10:00:00 PM	8/8/2018	5:00:00 AM

Rain(IN) = 0.82

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.134

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	10:15:00 PM	8/8/2018	4:45:00 AM

Rain(IN) = 0.82
Waterbody: Grand River

MI0023400
Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.083

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	11:00:00 PM	8/8/2018	5:15:00 AM

Rain(IN) = 0.82
Waterbody: Grand River

MI0023400
Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.444

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	11:00:00 PM	8/8/2018	6:30:00 AM

Rain(IN) = 0.82

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.792

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	11:15:00 PM	8/8/2018	6:00:00 AM

Rain(IN) = 0.82

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.55

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	11:15:00 PM	8/8/2018	5:45:00 AM

Rain(IN) = 0.82
Waterbody: Grand River

MI0023400
Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.344

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	11:15:00 PM	8/8/2018	4:45:00 AM

Rain(IN) = 0.82
Waterbody: Grand River

MI0023400
Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.507

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	11:15:00 PM	8/8/2018	5:00:00 AM

Rain(IN) = 0.82

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.197

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	11:15:00 PM	8/8/2018	7:30:00 AM

Rain(IN) = 0.82

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.892

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	11:15:00 PM	8/8/2018	6:15:00 AM

Rain(IN) = 0.82

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.326

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/8/2018	12:00:00 AM	8/8/2018	4:00:00 AM

Rain(IN) = 0.82

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.374

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19872

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/8/2018	12:15:00 AM	8/8/2018	1:30:00 AM

Rain(IN) = 0.82

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.084

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	9:30:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.656

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	8:15:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 010

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	8:45:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.097

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	10:15:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.623

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	10:30:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.492

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	9:45:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.34

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	9:45:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.415

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	9:00:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.559

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	9:15:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.336

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/16/2018	12:00:00 AM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.967

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/16/2018	10:00:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.383

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/16/2018	9:30:00 PM

Rain(IN) = 0.81

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.266

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/16/2018	12:00:00 AM

Rain(IN) = 0.81

Waterbody: Red Cedar River

MI0023400

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.057

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	10:30:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.371

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:00:00 PM	8/15/2018	9:00:00 PM

Rain(IN) = 0.81

Waterbody: Grand River

MI0023400

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.21

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:15:00 PM	8/15/2018	8:15:00 PM

Rain(IN) = 0.81
Waterbody: Grand River

MI0023400
Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.927

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/15/2018	7:15:00 PM	8/15/2018	8:45:00 PM

Rain(IN) = 0.81
Waterbody: Grand River

MI0023400
Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.418

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	5:00:00 PM

Rain(IN) = 1.83

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.548

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	7:30:00 PM

Rain(IN) = 1.83

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.181

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	5:15:00 PM

Rain(IN) = 1.83

MI0023400

Waterbody: Grand River

Outfall 010

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.647

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	5:30:00 PM

Rain(IN) = 1.83

MI0023400

Waterbody: Grand River

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.543

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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CSO Detail Report
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Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	7:00:00 PM

Rain(IN) = 1.83

MI0023400

Waterbody: Grand River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.283

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	9:30:00 PM

Rain(IN) = 1.83

MI0023400

Waterbody: Grand River

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.401

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	6:30:00 PM

Rain(IN) = 1.83

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.511

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	8:15:00 PM

Rain(IN) = 1.83

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.431

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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CSO Detail Report
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Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	5:45:00 PM

Rain(IN) = 1.83

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.885

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	6:00:00 PM

Rain(IN) = 1.83

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.72

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	8:30:00 PM

Rain(IN) = 1.83

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.575

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	7:00:00 PM

Rain(IN) = 1.83

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.204

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	6:15:00 PM

Rain(IN) = 1.83

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.533

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	8:30:00 PM

Rain(IN) = 1.83

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.992

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	7:15:00 PM

Rain(IN) = 1.83

MI0023400

Waterbody: Grand River

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	10.09

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:00:00 PM	8/19/2018	6:00:00 PM

Rain(IN) = 1.83

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.596

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19890

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	3:15:00 PM	8/19/2018	5:45:00 PM

Rain(IN) = 1.83

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.695

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:00:00 AM	8/25/2018	10:45:00 AM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.113

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:00:00 AM	8/25/2018	10:15:00 AM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.021

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:00:00 AM	8/25/2018	11:00:00 AM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.083

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:00:00 AM	8/25/2018	11:00:00 AM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.228

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:00:00 AM	8/25/2018	10:45:00 AM

Rain(IN) = 0.25

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.056

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:00:00 AM	8/25/2018	12:30:00 PM

Rain(IN) = 0.25

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:00:00 AM	8/25/2018	10:00:00 AM

Rain(IN) = 0.25

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.032

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:15:00 AM	8/25/2018	12:00:00 PM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.228

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:15:00 AM	8/25/2018	11:00:00 AM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.089

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:15:00 AM	8/25/2018	10:45:00 AM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:15:00 AM	8/25/2018	12:30:00 PM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.47

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:15:00 AM	8/25/2018	11:45:00 AM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.589

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:30:00 AM	8/25/2018	11:30:00 AM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.142

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19906

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	7:30:00 AM	8/25/2018	10:00:00 AM

Rain(IN) = 0.25

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.115

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	9:00:00 PM	8/29/2018	6:30:00 AM

Rain(IN) = 0.9

Waterbody: Red Cedar River

MI0023400

Outfall 032

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.093

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	9:00:00 PM	8/29/2018	4:00:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.178

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	9:15:00 PM	8/29/2018	4:30:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.354

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	9:30:00 PM	8/29/2018	4:15:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.241

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:00:00 PM	8/29/2018	4:15:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.492

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:00:00 PM	8/29/2018	3:45:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.092

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:00:00 PM	8/29/2018	5:30:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.777

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:00:00 PM	8/29/2018	4:45:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.38

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:00:00 PM	8/29/2018	4:00:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.223

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:00:00 PM	8/29/2018	6:30:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.102

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:00:00 PM	8/29/2018	5:00:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.189

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:00:00 PM	8/29/2018	5:15:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.573

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:15:00 PM	8/29/2018	5:00:00 AM

Rain(IN) = 0.9

MI0023400

Waterbody: Grand River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.608

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:15:00 PM	8/29/2018	3:45:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.575

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:30:00 PM	8/29/2018	12:15:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.653

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20070

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:45:00 PM	8/29/2018	12:30:00 AM

Rain(IN) = 0.9

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.202

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:00:00 PM	9/2/2018	8:15:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.21

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:00:00 PM	9/2/2018	7:30:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.041

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:00:00 PM	9/2/2018	8:30:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.157

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:00:00 PM	9/2/2018	9:00:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.431

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:00:00 PM	9/2/2018	8:00:00 AM

Rain(IN) = 0.49

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.106

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:00:00 PM	9/2/2018	10:15:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.019

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:00:00 PM	9/2/2018	8:00:00 AM

Rain(IN) = 0.49

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.062

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:15:00 PM	9/2/2018	9:30:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.429

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:30:00 PM	9/2/2018	8:30:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.166

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:30:00 PM	9/2/2018	8:00:00 AM

Rain(IN) = 0.49
Waterbody: Grand River

MI0023400
Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.095

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:45:00 PM	9/8/2018	9:00:00 AM

Rain(IN) = 0.49
Waterbody: Grand River

MI0023400
Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.265

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:45:00 PM	9/2/2018	10:15:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.86

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	1:45:00 PM	9/2/2018	9:15:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.092

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19922

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	2:00:00 PM	9/2/2018	7:45:00 AM

Rain(IN) = 0.49

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.184

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:00:00 AM	9/20/2018	12:45:00 PM

Rain(IN) = 2.43

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.287

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:00:00 AM	9/20/2018	1:45:00 PM

Rain(IN) = 2.43

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.039

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:00:00 AM	9/20/2018	2:00:00 PM

Rain(IN) = 2.43

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.181

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:00:00 AM	9/20/2018	1:15:00 PM

Rain(IN) = 2.43

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.8

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:00:00 AM	9/20/2018	4:00:00 PM

Rain(IN) = 2.43

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.503

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:00:00 AM	9/20/2018	1:00:00 PM

Rain(IN) = 2.43

Waterbody: Grand River

MI0023400

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.608

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:15:00 AM	9/20/2018	1:30:00 PM

Rain(IN) = 2.43

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.87

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:30:00 AM	9/20/2018	2:45:00 PM

Rain(IN) = 2.43

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.124

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:30:00 AM	9/20/2018	1:15:00 PM

Rain(IN) = 2.43

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.987

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	3:45:00 AM	9/20/2018	1:45:00 PM

Rain(IN) = 2.43
Waterbody: Grand River

MI0023400
Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.264

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	4:00:00 AM	9/20/2018	2:15:00 PM

Rain(IN) = 2.43
Waterbody: Grand River

MI0023400
Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.862

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	4:00:00 AM	9/20/2018	1:00:00 PM

Rain(IN) = 2.43

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.84

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	4:00:00 AM	9/20/2018	4:00:00 PM

Rain(IN) = 2.43

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.36

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	4:00:00 AM	9/20/2018	2:30:00 PM

Rain(IN) = 2.43
Waterbody: Grand River

MI0023400
Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.33

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	4:15:00 AM	9/20/2018	12:15:00 PM

Rain(IN) = 2.43
Waterbody: Grand River

MI0023400
Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.311

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	5:00:00 AM	9/20/2018	12:45:00 PM

Rain(IN) = 2.43
Waterbody: Grand River

MI0023400
Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.511

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19964

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	5:15:00 AM	9/20/2018	12:15:00 PM

Rain(IN) = 2.43
Waterbody: Grand River

MI0023400
Outfall 010

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.088

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:00:00 AM	9/21/2018	2:00:00 PM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.012

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:00:00 AM	9/21/2018	1:30:00 PM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.003

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:00:00 AM	9/21/2018	2:00:00 PM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.011

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:00:00 AM	9/21/2018	2:00:00 PM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.028

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:00:00 AM	9/21/2018	1:45:00 PM

Rain(IN) = 0.09

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.007

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:00:00 AM	9/21/2018	1:00:00 PM

Rain(IN) = 0.09

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.004

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:15:00 AM	9/21/2018	2:45:00 PM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.029

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:30:00 AM	9/21/2018	2:00:00 PM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:30:00 AM	9/21/2018	1:45:00 PM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.006

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:45:00 AM	9/21/2018	2:30:00 PM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.016

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:45:00 AM	9/21/2018	1:45:00 PM

Rain(IN) = 0.09

MI0023400

Waterbody: Grand River

Outfall 022

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.032

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:45:00 AM	9/21/2018	2:30:00 PM

Rain(IN) = 0.09

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.002

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	8:45:00 AM	9/21/2018	2:30:00 PM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.053

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19971

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	9:00:00 AM	9/21/2018	9:30:00 AM

Rain(IN) = 0.09

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.003

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/29/2018	10:00:00 PM	10/1/2018	11:15:00 AM

Rain(IN) = 1.93

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.737

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/29/2018	10:00:00 PM	10/1/2018	4:00:00 AM

Rain(IN) = 1.93

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.249

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/29/2018	10:00:00 PM	10/1/2018	11:00:00 AM

Rain(IN) = 1.93

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.505

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/29/2018	10:00:00 PM	10/1/2018	12:45:00 PM

Rain(IN) = 1.93

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.935

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/29/2018	10:00:00 PM	10/1/2018	4:00:00 AM

Rain(IN) = 1.93

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.199

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/29/2018	10:15:00 PM	10/1/2018	10:30:00 AM

Rain(IN) = 1.93

MI0023400

Waterbody: Grand River

Outfall 011

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.19

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/29/2018	10:30:00 PM	10/1/2018	11:00:00 AM

Rain(IN) = 1.93

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.024

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/29/2018	10:30:00 PM	10/1/2018	12:15:00 PM

Rain(IN) = 1.93

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.787

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/29/2018	11:00:00 PM	10/1/2018	10:15:00 AM

Rain(IN) = 1.93

MI0023400

Waterbody: Grand River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.792

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/30/2018	12:00:00 AM	10/1/2018	11:45:00 AM

Rain(IN) = 1.93

MI0023400

Waterbody: Grand River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.249

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/30/2018	12:00:00 AM	10/1/2018	11:00:00 AM

Rain(IN) = 1.93

MI0023400

Waterbody: Grand River

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.489

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/30/2018	12:00:00 AM	10/1/2018	12:45:00 PM

Rain(IN) = 1.93

MI0023400

Waterbody: Grand River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.368

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/30/2018	12:00:00 AM	10/1/2018	12:00:00 PM

Rain(IN) = 1.93

MI0023400

Waterbody: Grand River

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.273

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/30/2018	12:15:00 AM	10/1/2018	10:15:00 AM

Rain(IN) = 1.93

MI0023400

Waterbody: Grand River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.077

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	3:00:00 AM	10/1/2018	8:15:00 AM

Rain(IN) = 1.93

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.736

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	3:15:00 AM	10/1/2018	4:15:00 AM

Rain(IN) = 1.93

Waterbody: Grand River

MI0023400

Outfall 010

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.008

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19995

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	3:15:00 AM	10/1/2018	4:45:00 AM

Rain(IN) = 1.93

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.222

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	10:00:00 PM	10/2/2018	10:00:00 AM

Rain(IN) = 0.79

Waterbody: Red Cedar River

MI0023400

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.034

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	10:00:00 PM	10/2/2018	8:00:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.135

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	10:15:00 PM	10/2/2018	9:00:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.3

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	10:30:00 PM	10/2/2018	8:30:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.204

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:00:00 PM	10/2/2018	8:45:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.412

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:00:00 PM	10/2/2018	8:15:00 AM

Rain(IN) = 0.79

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.077

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:00:00 PM	10/2/2018	9:00:00 AM

Rain(IN) = 0.79

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.905

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:15:00 PM	10/2/2018	9:30:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.513

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:15:00 PM	10/2/2018	9:45:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.77

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:15:00 PM	10/2/2018	9:00:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.322

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:15:00 PM	10/2/2018	8:45:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.184

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:15:00 PM	10/2/2018	10:00:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.757

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:15:00 PM	10/2/2018	9:30:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.161

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:30:00 PM	10/2/2018	7:15:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.469

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/2/2018	12:00:00 AM	10/2/2018	2:15:00 AM

Rain(IN) = 0.79

MI0023400

Waterbody: Grand River

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.436

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20023

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/2/2018	12:30:00 AM	10/2/2018	2:15:00 AM

Rain(IN) = 0.79

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:00:00 AM	10/6/2018	11:45:00 AM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.822

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:00:00 AM	10/6/2018	11:15:00 AM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.126

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:00:00 AM	10/6/2018	4:15:00 PM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.466

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:00:00 AM	10/6/2018	12:00:00 PM

Rain(IN) = 1.17

MI0023400

Waterbody: Grand River

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.9

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:00:00 AM	10/6/2018	4:00:00 PM

Rain(IN) = 1.17

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.354

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:00:00 AM	10/6/2018	1:30:00 PM

Rain(IN) = 1.17

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.327

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:00:00 AM	10/6/2018	4:00:00 PM

Rain(IN) = 1.17

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.277

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:15:00 AM	10/6/2018	1:00:00 PM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.852

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:30:00 AM	10/6/2018	12:00:00 PM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.558

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:30:00 AM	10/6/2018	11:45:00 AM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.441

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:45:00 AM	10/6/2018	12:30:00 PM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.822

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:45:00 AM	10/6/2018	1:30:00 PM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.73

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:45:00 AM	10/6/2018	12:30:00 PM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.313

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	1:00:00 AM	10/6/2018	10:45:00 AM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.742

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	7:00:00 AM	10/6/2018	9:15:00 AM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.994

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	7:00:00 AM	10/6/2018	8:30:00 AM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 010

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.047

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20046

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	7:15:00 AM	10/6/2018	8:45:00 AM

Rain(IN) = 1.17

Waterbody: Grand River

MI0023400

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.401

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	12:00:00 PM	10/10/2018	10:00:00 PM

Rain(IN) = 0.91

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.094

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	12:00:00 PM	10/10/2018	10:00:00 PM

Rain(IN) = 0.91

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.178

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	12:15:00 PM	10/10/2018	10:30:00 PM

Rain(IN) = 0.91

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.353

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	12:30:00 PM	10/10/2018	10:15:00 PM

Rain(IN) = 0.91

Waterbody: Red Cedar River

MI0023400

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.24

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:00:00 PM	10/10/2018	8:00:00 PM

Rain(IN) = 0.91

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.489

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:00:00 PM	10/10/2018	7:30:00 PM

Rain(IN) = 0.91

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.092

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:00:00 PM	10/10/2018	10:00:00 PM

Rain(IN) = 0.91

MI0023400

Waterbody: Grand River

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.196

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:15:00 PM	10/10/2018	9:15:00 PM

Rain(IN) = 0.91

MI0023400

Waterbody: Grand River

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.822

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:30:00 PM	10/10/2018	8:15:00 PM

Rain(IN) = 0.91

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.38

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:30:00 PM	10/10/2018	7:45:00 PM

Rain(IN) = 0.91

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.218

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:45:00 PM	10/10/2018	8:45:00 PM

Rain(IN) = 0.91

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.606

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:45:00 PM	10/10/2018	7:15:00 PM

Rain(IN) = 0.91

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.575

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:45:00 PM	10/10/2018	10:00:00 PM

Rain(IN) = 0.91

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.094

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:45:00 PM	10/10/2018	8:45:00 PM

Rain(IN) = 0.91

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.573

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	3:15:00 PM	10/10/2018	5:30:00 PM

Rain(IN) = 0.91

MI0023400

Waterbody: Grand River

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.603

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20058

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	3:30:00 PM	10/10/2018	5:30:00 PM

Rain(IN) = 0.91

MI0023400

Waterbody: Grand River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.145

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	9:00:00 PM	10/31/2018	8:30:00 AM

Rain(IN) = 0.47

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.163

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	9:00:00 PM	10/31/2018	8:00:00 AM

Rain(IN) = 0.47

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.446

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	9:00:00 PM	10/31/2018	8:00:00 AM

Rain(IN) = 0.47

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.11

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	9:00:00 PM	10/31/2018	10:15:00 AM

Rain(IN) = 0.47

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.019

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	9:00:00 PM	10/31/2018	8:00:00 AM

Rain(IN) = 0.47

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.064

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	9:15:00 PM	10/31/2018	7:30:00 AM

Rain(IN) = 0.47

MI0023400

Waterbody: Grand River

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.042

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	10:00:00 PM	10/31/2018	8:15:00 AM

Rain(IN) = 0.47

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.222

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	10:00:00 PM	10/31/2018	9:30:00 AM

Rain(IN) = 0.47

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.448

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	10:00:00 PM	10/31/2018	8:30:00 AM

Rain(IN) = 0.47

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.173

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	10:15:00 PM	10/31/2018	9:00:00 AM

Rain(IN) = 0.47

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.278

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	10:15:00 PM	10/31/2018	7:45:00 AM

Rain(IN) = 0.47

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.22

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	10:15:00 PM	10/31/2018	8:00:00 AM

Rain(IN) = 0.47

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.099

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	10:15:00 PM	10/31/2018	10:15:00 AM

Rain(IN) = 0.47

MI0023400

Waterbody: Grand River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.92

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	10:15:00 PM	10/31/2018	9:15:00 AM

Rain(IN) = 0.47

MI0023400

Waterbody: Grand River

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.151

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20144

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/30/2018	10:30:00 PM	10/30/2018	11:15:00 PM

Rain(IN) = 0.47

Waterbody: Grand River

MI0023400

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.029

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	1:00:00 AM	11/6/2018	10:45:00 PM

Rain(IN) = 0.42

Waterbody: Red Cedar River

MI0023400

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.015

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	1:00:00 AM	11/6/2018	9:00:00 PM

Rain(IN) = 0.42

MI0023400

Waterbody: Grand River

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	1:30:00 AM	11/6/2018	9:00:00 PM

Rain(IN) = 0.42

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.084

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	1:45:00 AM	11/6/2018	9:30:00 PM

Rain(IN) = 0.42

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.124

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	2:00:00 AM	11/6/2018	9:00:00 PM

Rain(IN) = 0.42

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.342

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	2:15:00 AM	11/6/2018	8:30:00 PM

Rain(IN) = 0.42

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.032

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	2:45:00 AM	11/6/2018	10:30:00 PM

Rain(IN) = 0.42

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.338

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	3:00:00 AM	11/6/2018	9:15:00 PM

Rain(IN) = 0.42

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.163

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	3:15:00 AM	11/6/2018	10:00:00 PM

Rain(IN) = 0.42

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.207

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	3:15:00 AM	11/6/2018	9:30:00 PM

Rain(IN) = 0.42

MI0023400

Waterbody: Grand River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.131

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	3:15:00 AM	11/6/2018	9:00:00 PM

Rain(IN) = 0.42

MI0023400

Waterbody: Grand River

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.074

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	3:15:00 AM	11/6/2018	10:45:00 PM

Rain(IN) = 0.42

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.674

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	3:15:00 AM	11/6/2018	10:00:00 PM

Rain(IN) = 0.42

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.852

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20145

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	3:30:00 AM	11/6/2018	8:30:00 PM

Rain(IN) = 0.42

Waterbody: Grand River

MI0023400

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.144

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:00:00 PM	12/2/2018	3:45:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.039

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:00:00 PM	12/2/2018	4:30:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.149

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:00:00 PM	12/2/2018	5:00:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 024

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.409

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:00:00 PM	12/2/2018	4:15:00 AM

Rain(IN) = 0.45

MI0023400

Waterbody: Red Cedar River

Outfall 026

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.101

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:00:00 PM	12/2/2018	6:30:00 AM

Rain(IN) = 0.45

MI0023400

Waterbody: Red Cedar River

Outfall 032

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.017

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:00:00 PM	12/2/2018	4:00:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.059

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:15:00 PM	12/2/2018	4:15:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.203

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:30:00 PM	12/2/2018	5:30:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 015

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.412

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:30:00 PM	12/2/2018	4:00:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.091

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:45:00 PM	12/2/2018	4:45:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.158

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	3:00:00 PM	12/2/2018	5:00:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.252

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	3:00:00 PM	12/2/2018	6:30:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.852

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	3:00:00 PM	12/2/2018	5:15:00 AM

Rain(IN) = 0.45

Waterbody: Grand River

MI0023400

Outfall 034

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.054

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	11:15:00 PM	12/2/2018	3:45:00 AM

Rain(IN) = 0.45
Waterbody: Grand River

MI0023400
Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.21

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Lansing WWTP

Submission ID
20156

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	11:30:00 PM	12/2/2018	3:00:00 AM

Rain(IN) = 0.45
Waterbody: Grand River

MI0023400
Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.026

Actions by EGLE:Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Totals Lansing WWTP

Partially Treated (MG)	Dilute Raw Sewage (MG)
	342.72023

County Totals Ingham

Partially Treated (MG)	Dilute Raw Sewage (MG)
	342.72

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Schoolcraft

Manistique WWTP

Manistique WWTP

Submission ID
20059

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:45:00 PM	10/11/2018	9:00:00 PM

MI0023515

Waterbody: Manistique River

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.16

Actions by EGLE: Long term control program: LTCP being implemented; permit requires elimination of discharges from the one remaining outfall by Jan. 1, 2020. Facility is one construction project away from elimination of the last CSO.

Totals Manistique WWTP

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.16

County Totals Schoolcraft

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.16

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

St. Clair

Port Huron WWTP

Port Huron WWTP

Submission ID
19273

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/10/2018	1:00:00 PM	1/10/2018	2:00:00 PM

Rain(IN) = 0.2

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.003

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID
19275

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/12/2018	9:00:00 AM	1/12/2018	5:00:00 PM

Rain(IN) = 0.3

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.007

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19278

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	11:00:00 AM	1/22/2018	3:00:00 PM

Rain(IN) = 0.6

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.023

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19279

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/29/2018	9:00:00 AM	1/29/2018	11:00:00 AM

Rain(IN) = 0.3

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.007

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19280

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/4/2018	1:00:00 PM	2/4/2018	5:00:00 PM

Rain(IN) = 0.3

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.007

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19355

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/9/2018	7:00:00 PM	2/9/2018	8:00:00 PM

Rain(IN) = 0.38

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19356

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/17/2018	10:00:00 PM	2/17/2018	11:00:00 PM

Rain(IN) = 0.24

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19357

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	5:00:00 PM	2/20/2018	1:00:00 AM

Rain(IN) = 0.42

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.012

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID
19358

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:00:00 AM	2/20/2018	11:59:00 PM

Rain(IN) = 1.06
Waterbody: Black River

MI0023833
Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.062

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID
19382

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	12:00:00 AM	2/22/2018	10:00:00 PM

Rain(IN) = 0.48
Waterbody: Black River

MI0023833
Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.016

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID
19422

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	7:00:00 PM	3/1/2018	9:00:00 PM

Rain(IN) = 0.57
Waterbody: Black River

MI0023833
Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.021

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19445

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	1:00:00 PM	3/27/2018	3:00:00 PM

Rain(IN) = 0.36

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.009

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19456

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	9:00:00 AM	3/29/2018	11:00:00 AM

Rain(IN) = 0.28

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.006

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19474

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	8:00:00 PM	4/4/2018	3:00:00 AM

Rain(IN) = 0.74

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.033

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19510

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	8:00:00 AM	4/15/2018	12:00:00 AM

Rain(IN) = 1.35

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.095

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19546

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	12:00:00 AM	4/18/2018	5:00:00 AM

Rain(IN) = 1.16

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.073

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19601

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	2:00:00 PM	5/3/2018	9:00:00 PM

Rain(IN) = 0.37

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19656

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	9:30:00 PM	5/11/2018	10:30:00 PM

Rain(IN) = 0.26

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19657

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	5:00:00 PM	5/12/2018	9:00:00 PM

Rain(IN) = 0.36

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.009

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19722

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/16/2018	9:30:00 AM	6/16/2018	10:30:00 AM

Rain(IN) = 0.28

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.006

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19725

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	5:00:00 PM	6/19/2018	1:00:00 AM

Rain(IN) = 1.14

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.07

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19742

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	11:00:00 PM	6/24/2018	3:00:00 AM

Rain(IN) = 0.81

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.039

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19741

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/24/2018	11:00:00 AM	6/24/2018	9:00:00 PM

Rain(IN) = 0.65

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.026

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID
19763

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	1:00:00 PM	6/28/2018	1:00:00 AM

Rain(IN) = 1.72

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.145

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID
19820

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/5/2018	6:30:00 PM	7/5/2018	9:00:00 PM

Rain(IN) = 1.07

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.063

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID
19821

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/16/2018	4:30:00 PM	7/16/2018	8:30:00 PM

Rain(IN) = 0.59

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.022

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19834

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/20/2018	5:30:00 PM	7/20/2018	6:30:00 PM

Rain(IN) = 0.62

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.024

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19835

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/22/2018	4:30:00 PM	7/22/2018	5:30:00 PM

Rain(IN) = 0.33

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.008

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19836

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/23/2018	7:00:00 PM	7/24/2018	5:00:00 AM

Rain(IN) = 0.28

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.006

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19865

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	1:00:00 AM	8/1/2018	9:00:00 AM

Rain(IN) = 1.63

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.132

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19870

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	6:00:00 PM	8/6/2018	7:00:00 PM

Rain(IN) = 0.22

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.004

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19874

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/8/2018	9:30:00 AM	8/8/2018	2:30:00 PM

Rain(IN) = 1.05

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.061

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19888

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	1:00:00 AM	8/17/2018	8:00:00 AM

Rain(IN) = 0.21

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.004

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19900

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/21/2018	5:00:00 PM	8/21/2018	9:00:00 PM

Rain(IN) = 1.02

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.058

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19919

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	10:30:00 AM	8/25/2018	1:30:00 PM

Rain(IN) = 0.45

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.014

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 19915

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	4:30:00 AM	8/27/2018	5:30:00 AM

Rain(IN) = 0.31

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.007

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19920

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/29/2018	2:30:00 AM	8/29/2018	4:00:00 AM

Rain(IN) = 0.28

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.006

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 19921

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	6:30:00 PM	9/1/2018	9:00:00 PM

Rain(IN) = 0.38

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID
20024

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/30/2018	11:00:00 PM	10/1/2018	12:00:00 AM

Rain(IN) = 0.59
Waterbody: Black River

MI0023833
Outfall 005

Partially Treated (MG)
Dilute Raw Sewage (MG)
0.022

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID
20025

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	6:30:00 AM	10/1/2018	10:30:00 PM

Rain(IN) = 0.77
Waterbody: Black River

MI0023833
Outfall 005

Partially Treated (MG)
Dilute Raw Sewage (MG)
0.035

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID
20027

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/2/2018	6:30:00 AM	10/2/2018	7:30:00 AM

Rain(IN) = 0.23
Waterbody: Black River

MI0023833
Outfall 005

Partially Treated (MG)
Dilute Raw Sewage (MG)
0.004

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 20047

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	1:30:00 PM	10/6/2018	5:30:00 PM

Rain(IN) = 0.5

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.017

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 20071

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/20/2018	8:00:00 PM	10/20/2018	9:00:00 PM

Rain(IN) = 0.2

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.003

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 20099

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/27/2018	4:00:00 PM	10/27/2018	5:00:00 PM

Rain(IN) = 0.22

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.004

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 20100

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/28/2018	6:00:00 PM	10/28/2018	11:00:00 PM

Rain(IN) = 0.38

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 20101

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	8:00:00 AM	10/31/2018	12:30:00 PM

Rain(IN) = 0.56

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 20110

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	5:00:00 PM	11/2/2018	10:00:00 PM

Rain(IN) = 0.49

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.016

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 20111

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	7:00:00 AM	11/6/2018	1:00:00 PM

Rain(IN) = 0.35

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.009

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 20112

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/9/2018	6:00:00 PM	11/9/2018	8:00:00 PM

Rain(IN) = 0.31

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.007

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 20119

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/24/2018	1:00:00 PM	11/24/2018	2:00:00 PM

Rain(IN) = 0.2

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.003

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID 20124

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	8:00:00 AM	11/26/2018	11:30:00 PM

Rain(IN) = 0.68

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.029

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID 20135

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	11:30:00 AM	12/2/2018	3:30:00 PM

Rain(IN) = 0.28

MI0023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.006

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit included schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/14/2018	10:30:00 AM	12/14/2018	12:00:00 PM

Rain(IN) = 0.28

MI000023833

Waterbody: Black River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.006

wet weather

schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	9:45:00 PM	12/21/2018	1:45:00 AM

Rain(IN) = 0.26

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005

Combined sewer overflow due to rain event. 5,000 gallons of combined wastewater was discharged, of which approximately 748 gallons was sanitary wastewater.

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit include schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Port Huron WWTP

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	6:00:00 AM	12/21/2018	6:30:00 PM

Rain(IN) = 0.31

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.007

Combined sewer overflow due to rain event. 7,000 gallons of combined wastewater was discharged, of which approximately 620 gallons was sanitary wastewater.

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit include schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Port Huron WWTP

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:00:00 PM	1/1/2019	10:00:00 PM

Rain(IN) = 0.83

Waterbody: Black River

MI0023833

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04

Combined sewer overflow due to rain event. 40,000 gallons of combined wastewater was discharged, of which approximately 2,283 gallons was sanitary wastewater.

Actions by EGLE: Long-term Control Program (sewer separation project) being implemented; Director's Final Order (issued 2/19/98) & permit include schedule requiring elimination of all overflow outfalls by Dec. 31, 2012. The City requested a 4 year schedule extension in April, 2007, due to economic hardship. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2022; several outfalls and the associated overflows have already been eliminated through sewer separation construction.

Totals Port Huron WWTP

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.361

County Totals St. Clair

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.36

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne

Dearborn CSO

Dearborn CSO

Submission ID
19317

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/12/2018	7:29:00 AM	1/12/2018	11:17:00 AM

Rain(IN) = 0.35

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.11

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19317

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/12/2018	7:29:00 AM	1/12/2018	11:17:00 AM

Rain(IN) = 0.35

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.65

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19317

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/12/2018	7:29:00 AM	1/12/2018	11:17:00 AM

Rain(IN) = 0.35

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.23

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19321

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	4:51:00 AM	1/22/2018	4:12:00 PM

Rain(IN) = 0.58

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.27

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19321

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	4:51:00 AM	1/22/2018	4:12:00 PM

Rain(IN) = 0.58

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19321

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	4:51:00 AM	1/22/2018	4:12:00 PM

Rain(IN) = 0.58

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.42

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19321

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	4:51:00 AM	1/22/2018	4:12:00 PM

Rain(IN) = 0.58

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.45

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19321

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	4:51:00 AM	1/22/2018	4:12:00 PM

Rain(IN) = 0.58

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.79

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19321

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	4:51:00 AM	1/22/2018	4:12:00 PM

Rain(IN) = 0.58

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.41

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19333

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	1:17:00 PM	2/20/2018	4:29:00 PM

Rain(IN) = 2.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.92

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19333

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	1:17:00 PM	2/20/2018	4:29:00 PM

Rain(IN) = 2.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.25

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19333

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	1:17:00 PM	2/20/2018	4:29:00 PM

Rain(IN) = 2.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
8.11

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19333

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	1:17:00 PM	2/20/2018	4:29:00 PM

Rain(IN) = 2.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	6.91

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19333

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	1:17:00 PM	2/20/2018	4:29:00 PM

Rain(IN) = 2.37

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	20.19

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19333

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	1:17:00 PM	2/20/2018	4:29:00 PM

Rain(IN) = 2.37

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	26.97

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19375

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	3:30:00 AM	2/21/2018	11:17:00 AM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.35

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19375

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	3:30:00 AM	2/21/2018	11:17:00 AM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19375

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	3:30:00 AM	2/21/2018	11:17:00 AM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.72

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19375

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	3:30:00 AM	2/21/2018	11:17:00 AM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.69

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19375

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	3:30:00 AM	2/21/2018	11:17:00 AM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.44

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19375

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	3:30:00 AM	2/21/2018	11:17:00 AM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.78

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19414

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	8:45:00 AM	3/2/2018	2:35:00 PM

Rain(IN) = 1.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.52

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19414

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	8:45:00 AM	3/2/2018	2:35:00 PM

Rain(IN) = 1.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.08

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19414

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	8:45:00 AM	3/2/2018	2:35:00 PM

Rain(IN) = 1.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
5.15

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19414

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	8:45:00 AM	3/2/2018	2:35:00 PM

Rain(IN) = 1.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.77

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19414

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	8:45:00 AM	3/2/2018	2:35:00 PM

Rain(IN) = 1.62

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	11.77

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19414

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	8:45:00 AM	3/2/2018	2:35:00 PM

Rain(IN) = 1.62

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	10.88

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19464

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	8:38:00 AM	3/27/2018	3:15:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.17

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19464

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	8:38:00 AM	3/27/2018	3:15:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.95

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19464

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	8:38:00 AM	3/27/2018	3:15:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19464

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	8:38:00 AM	3/27/2018	3:15:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.82

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19464

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	8:38:00 AM	3/27/2018	3:15:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19465

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	11:50:00 AM	3/29/2018	10:46:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.31

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19465

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	11:50:00 AM	3/29/2018	10:46:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19465

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	11:50:00 AM	3/29/2018	10:46:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.55

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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Dearborn CSO

Submission ID
19465

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	11:50:00 AM	3/29/2018	10:46:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.56

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19465

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	11:50:00 AM	3/29/2018	10:46:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.08

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19465

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	11:50:00 AM	3/29/2018	10:46:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.56

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19467

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:29:00 PM	4/4/2018	12:35:00 AM

Rain(IN) = 0.68

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.36

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19467

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:29:00 PM	4/4/2018	12:35:00 AM

Rain(IN) = 0.68

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19467

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:29:00 PM	4/4/2018	12:35:00 AM

Rain(IN) = 0.68

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.76

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19467

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:29:00 PM	4/4/2018	12:35:00 AM

Rain(IN) = 0.68

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.72

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19467

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:29:00 PM	4/4/2018	12:35:00 AM

Rain(IN) = 0.68

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.52

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19467

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:29:00 PM	4/4/2018	12:35:00 AM

Rain(IN) = 0.68

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.82

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19515

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	7:25:00 AM	4/14/2018	3:03:00 PM

Rain(IN) = 0.72

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.39

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19515

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	7:25:00 AM	4/14/2018	3:03:00 PM

Rain(IN) = 0.72

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19515

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	7:25:00 AM	4/14/2018	3:03:00 PM

Rain(IN) = 0.72

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.89

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19515

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	7:25:00 AM	4/14/2018	3:03:00 PM

Rain(IN) = 0.72

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.83

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19515

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	7:25:00 AM	4/14/2018	3:03:00 PM

Rain(IN) = 0.72

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.82

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19515

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	7:25:00 AM	4/14/2018	3:03:00 PM

Rain(IN) = 0.72

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.02

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19516

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	4:59:00 AM	4/16/2018	12:22:00 AM

Rain(IN) = 1.24

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.97

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19516

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	4:59:00 AM	4/16/2018	12:22:00 AM

Rain(IN) = 1.24

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.03

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19516

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	4:59:00 AM	4/16/2018	12:22:00 AM

Rain(IN) = 1.24

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
3.73

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19516

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	4:59:00 AM	4/16/2018	12:22:00 AM

Rain(IN) = 1.24

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.42

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19516

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	4:59:00 AM	4/16/2018	12:22:00 AM

Rain(IN) = 1.24

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.12

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19516

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	4:59:00 AM	4/16/2018	12:22:00 AM

Rain(IN) = 1.24

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.46

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19557

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/24/2018	9:07:00 PM	4/25/2018	6:29:00 AM

Rain(IN) = 0.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19557

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/24/2018	9:07:00 PM	4/25/2018	6:29:00 AM

Rain(IN) = 0.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19557

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/24/2018	9:07:00 PM	4/25/2018	6:29:00 AM

Rain(IN) = 0.18

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.18

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19626

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	10:54:00 PM	5/4/2018	5:09:00 AM

Rain(IN) = 1.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.14

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19626

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	10:54:00 PM	5/4/2018	5:09:00 AM

Rain(IN) = 1.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.05

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19626

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	10:54:00 PM	5/4/2018	5:09:00 AM

Rain(IN) = 1.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
4.21

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19626

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	10:54:00 PM	5/4/2018	5:09:00 AM

Rain(IN) = 1.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.86

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19626

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	10:54:00 PM	5/4/2018	5:09:00 AM

Rain(IN) = 1.37

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.32

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19626

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	10:54:00 PM	5/4/2018	5:09:00 AM

Rain(IN) = 1.37

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.11

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19623

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/10/2018	1:20:00 AM	5/10/2018	8:02:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.03

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19623

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/10/2018	1:21:00 AM	5/10/2018	8:02:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.19

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19623

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/10/2018	1:21:00 AM	5/10/2018	8:02:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.36

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19631

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	6:54:00 PM	5/13/2018	6:50:00 AM

Rain(IN) = 2.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.53

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19631

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	6:54:00 PM	5/13/2018	6:50:00 AM

Rain(IN) = 2.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.2

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19631

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	6:54:00 PM	5/13/2018	6:50:00 AM

Rain(IN) = 2.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
7.34

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19631

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	6:54:00 PM	5/13/2018	6:50:00 AM

Rain(IN) = 2.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
6.06

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19631

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	6:54:00 PM	5/13/2018	6:50:00 AM

Rain(IN) = 2.18

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	17.9

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19631

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	6:54:00 PM	5/13/2018	6:50:00 AM

Rain(IN) = 2.18

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	22.21

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19645

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	3:14:00 AM	5/15/2018	12:23:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.17

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19645

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	3:14:00 AM	5/15/2018	12:23:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.95

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19645

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	3:14:00 AM	5/15/2018	12:23:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19645

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	3:14:00 AM	5/15/2018	12:23:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.82

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19645

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	3:14:00 AM	5/15/2018	12:23:00 PM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.06

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19658

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	4:53:00 PM	5/19/2018	7:00:00 PM

Rain(IN) = 1.38

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.07

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19658

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	4:53:00 PM	5/19/2018	7:00:00 PM

Rain(IN) = 1.38

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.45

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19658

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	4:53:00 PM	5/19/2018	7:00:00 PM

Rain(IN) = 1.38

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.85

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19679

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	5:30:00 PM	5/22/2018	3:31:00 AM

Rain(IN) = 0.49

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.2

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19679

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	5:30:00 PM	5/22/2018	3:31:00 AM

Rain(IN) = 0.49

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.11

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19679

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	5:30:00 PM	5/22/2018	3:31:00 AM

Rain(IN) = 0.49

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.22

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19679

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	5:30:00 PM	5/22/2018	3:31:00 AM

Rain(IN) = 0.49

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.16

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19679

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	5:30:00 PM	5/22/2018	3:31:00 AM

Rain(IN) = 0.49

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.16

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19704

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:13:00 AM	6/3/2018	11:26:00 AM

Rain(IN) = 0.5

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.21

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19704

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:13:00 AM	6/3/2018	11:26:00 AM

Rain(IN) = 0.5

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.15

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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Dearborn CSO

Submission ID
19704

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:13:00 AM	6/3/2018	11:26:00 AM

Rain(IN) = 0.5

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.25

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19704

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:13:00 AM	6/3/2018	11:26:00 AM

Rain(IN) = 0.5

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.23

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19704

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:13:00 AM	6/3/2018	11:26:00 AM

Rain(IN) = 0.5

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.18

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19731

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	4:02:00 PM	6/9/2018	5:27:00 PM

Rain(IN) = 0.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19731

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	4:02:00 PM	6/9/2018	5:27:00 PM

Rain(IN) = 0.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19731

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/9/2018	4:02:00 PM	6/9/2018	5:27:00 PM

Rain(IN) = 0.18

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.18

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19732

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:26:00 PM	6/19/2018	4:38:00 AM

Rain(IN) = 1.02

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.7

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19732

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:26:00 PM	6/19/2018	4:38:00 AM

Rain(IN) = 1.02

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19732

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:26:00 PM	6/19/2018	4:38:00 AM

Rain(IN) = 1.02

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.94

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19732

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:26:00 PM	6/19/2018	4:38:00 AM

Rain(IN) = 1.02

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.71

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19732

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:26:00 PM	6/19/2018	4:38:00 AM

Rain(IN) = 1.02

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	6.21

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19732

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:26:00 PM	6/19/2018	4:38:00 AM

Rain(IN) = 1.02

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.16

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19733

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/20/2018	4:07:00 PM	6/21/2018	5:11:00 AM

Rain(IN) = 0.23

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19733

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/20/2018	4:07:00 PM	6/21/2018	5:11:00 AM

Rain(IN) = 0.23

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.26

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19733

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/20/2018	4:07:00 PM	6/21/2018	5:11:00 AM

Rain(IN) = 0.23

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.48

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19757

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	6:18:00 PM	6/23/2018	8:35:00 PM

Rain(IN) = 3.13

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19757

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	6:18:00 PM	6/23/2018	8:35:00 PM

Rain(IN) = 3.13

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.03

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19757

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	6:18:00 PM	6/23/2018	8:35:00 PM

Rain(IN) = 3.13

Waterbody: Rouge River

MI0025542

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19757

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	6:18:00 PM	6/23/2018	8:35:00 PM

Rain(IN) = 3.13

Waterbody: Rouge River

MI0025542

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.33

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19850

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/21/2018	8:33:00 AM	7/21/2018	2:59:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.31

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19850

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/21/2018	8:33:00 AM	7/21/2018	2:59:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19850

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/21/2018	8:33:00 AM	7/21/2018	2:59:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.55

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19850

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/21/2018	8:33:00 AM	7/21/2018	2:59:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.56

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19850

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/21/2018	8:33:00 AM	7/21/2018	2:59:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.08

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19850

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/21/2018	8:33:00 AM	7/21/2018	2:59:00 PM

Rain(IN) = 0.62

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.56

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19856

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:21:00 PM	8/1/2018	2:58:00 AM

Rain(IN) = 3.65

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
6.31

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19856

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:21:00 PM	8/1/2018	2:58:00 AM

Rain(IN) = 3.65

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.74

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19856

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:21:00 PM	8/1/2018	2:58:00 AM

Rain(IN) = 3.65

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
13.67

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19856

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:21:00 PM	8/1/2018	2:58:00 AM

Rain(IN) = 3.65

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
13.73

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19856

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:21:00 PM	8/1/2018	2:58:00 AM

Rain(IN) = 3.65

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	38.35

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19856

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:21:00 PM	8/1/2018	2:58:00 AM

Rain(IN) = 3.65

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	70.95

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19879

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:05:00 PM	8/7/2018	1:21:00 AM

Rain(IN) = 1.29

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.03

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19879

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:05:00 PM	8/7/2018	1:21:00 AM

Rain(IN) = 1.29

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.04

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19879

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:05:00 PM	8/7/2018	1:21:00 AM

Rain(IN) = 1.29

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
3.92

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19879

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:05:00 PM	8/7/2018	1:21:00 AM

Rain(IN) = 1.29

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.59

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19879

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:05:00 PM	8/7/2018	1:21:00 AM

Rain(IN) = 1.29

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.58

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19879

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:05:00 PM	8/7/2018	1:21:00 AM

Rain(IN) = 1.29

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	6.07

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19889

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/16/2018	2:37:00 PM	8/17/2018	12:59:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.03

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19889

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/16/2018	2:37:00 PM	8/17/2018	12:59:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.19

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19889

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/16/2018	2:37:00 PM	8/17/2018	12:59:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.36

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19901

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:25:00 PM	8/17/2018	4:00:00 PM

Rain(IN) = 0.77

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.44

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19901

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:25:00 PM	8/17/2018	4:00:00 PM

Rain(IN) = 0.77

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19901

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:25:00 PM	8/17/2018	4:00:00 PM

Rain(IN) = 0.77

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.07

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19901

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:25:00 PM	8/17/2018	4:00:00 PM

Rain(IN) = 0.77

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.97

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19901

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:25:00 PM	8/17/2018	4:00:00 PM

Rain(IN) = 0.77

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.2

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19901

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:25:00 PM	8/17/2018	4:00:00 PM

Rain(IN) = 0.77

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.3

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19902

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	9:09:00 PM	8/18/2018	10:49:00 PM

Rain(IN) = 0.69

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.37

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19902

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	9:09:00 PM	8/18/2018	10:49:00 PM

Rain(IN) = 0.69

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19902

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	9:09:00 PM	8/18/2018	10:49:00 PM

Rain(IN) = 0.69

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.79

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19902

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	9:09:00 PM	8/18/2018	10:49:00 PM

Rain(IN) = 0.69

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.75

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19902

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	9:09:00 PM	8/18/2018	10:49:00 PM

Rain(IN) = 0.69

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.59

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19902

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	9:09:00 PM	8/18/2018	10:49:00 PM

Rain(IN) = 0.69

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.87

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19903

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/21/2018	8:10:00 AM	8/21/2018	9:40:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.03

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19903

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/21/2018	8:10:00 AM	8/21/2018	9:40:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.19

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19903

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/21/2018	8:10:00 AM	8/21/2018	9:40:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.36

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19904

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	9:29:00 AM	8/25/2018	3:34:00 PM

Rain(IN) = 0.2

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.02

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19904

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	9:29:00 AM	8/25/2018	3:34:00 PM

Rain(IN) = 0.2

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.16

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19904

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/25/2018	9:29:00 AM	8/25/2018	3:34:00 PM

Rain(IN) = 0.2

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.3

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19939

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:36:00 PM	9/2/2018	1:34:00 AM

Rain(IN) = 0.71

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.38

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19939

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:36:00 PM	9/2/2018	1:34:00 AM

Rain(IN) = 0.71

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19939

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:36:00 PM	9/2/2018	1:34:00 AM

Rain(IN) = 0.71

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.86

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19939

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:36:00 PM	9/2/2018	1:34:00 AM

Rain(IN) = 0.71

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.8

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19939

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:36:00 PM	9/2/2018	1:34:00 AM

Rain(IN) = 0.71

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.74

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19939

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:36:00 PM	9/2/2018	1:34:00 AM

Rain(IN) = 0.71

Waterbody: Rouge River

MI0025542

Outfall 014

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.97

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19940

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	1:27:00 PM	9/4/2018	4:45:00 AM

Rain(IN) = 0.8

Waterbody: Rouge River, Lower Branch

MI0025542

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.47

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19940

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	1:27:00 PM	9/4/2018	4:45:00 AM

Rain(IN) = 0.8

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19940

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	1:27:00 PM	9/4/2018	4:45:00 AM

Rain(IN) = 0.8

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.17

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19940

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	1:27:00 PM	9/4/2018	4:45:00 AM

Rain(IN) = 0.8

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.05

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19940

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	1:27:00 PM	9/4/2018	4:45:00 AM

Rain(IN) = 0.8

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.43

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19940

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	1:27:00 PM	9/4/2018	4:45:00 AM

Rain(IN) = 0.8

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.48

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19942

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/6/2018	12:49:00 AM	9/6/2018	10:10:00 AM

Rain(IN) = 0.24

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19942

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/6/2018	12:49:00 AM	9/6/2018	10:10:00 AM

Rain(IN) = 0.24

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.29

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19942

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/6/2018	12:49:00 AM	9/6/2018	10:10:00 AM

Rain(IN) = 0.24

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.54

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19962

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/10/2018	6:44:00 AM	9/10/2018	11:01:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.03

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19962

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/10/2018	6:44:00 AM	9/10/2018	11:01:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.19

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19962

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/10/2018	6:44:00 AM	9/10/2018	11:01:00 AM

Rain(IN) = 0.21

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.36

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19981

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:23:00 AM	9/20/2018	12:27:00 PM

Rain(IN) = 2.87

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19981

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:23:00 AM	9/20/2018	12:27:00 PM

Rain(IN) = 2.87

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.41

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19981

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:23:00 AM	9/20/2018	12:27:00 PM

Rain(IN) = 2.87

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
10.2

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19981

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:23:00 AM	9/20/2018	12:27:00 PM

Rain(IN) = 2.87

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.36

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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Dearborn CSO

Submission ID
19981

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:23:00 AM	9/20/2018	12:27:00 PM

Rain(IN) = 2.87

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	26.72

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19981

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:23:00 AM	9/20/2018	12:27:00 PM

Rain(IN) = 2.87

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	41.67

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19986

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/24/2018	8:13:00 PM	9/26/2018	2:07:00 AM

Rain(IN) = 2.94

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.28

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19986

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/24/2018	8:13:00 PM	9/26/2018	2:07:00 AM

Rain(IN) = 2.94

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.43

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19986

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/24/2018	8:13:00 PM	9/26/2018	2:07:00 AM

Rain(IN) = 2.94

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
10.51

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19986

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/24/2018	8:13:00 PM	9/26/2018	2:07:00 AM

Rain(IN) = 2.94

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.72

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19986

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/24/2018	8:13:00 PM	9/26/2018	2:07:00 AM

Rain(IN) = 2.94

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	27.69

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19986

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/24/2018	8:13:00 PM	9/26/2018	2:07:00 AM

Rain(IN) = 2.94

Waterbody: Rouge River

MI0025542

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	43.98

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
19986

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/24/2018	8:13:00 PM	9/26/2018	2:07:00 AM

Rain(IN) = 2.94

Waterbody: Rouge River

MI0025542

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	14.27

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20020

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	7:45:00 AM	10/1/2018	1:29:00 PM

Rain(IN) = 0.45

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.18

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20020

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	7:45:00 AM	10/1/2018	1:29:00 PM

Rain(IN) = 0.45

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.98

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20020

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	7:45:00 AM	10/1/2018	1:29:00 PM

Rain(IN) = 0.45

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.12

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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Dearborn CSO

Submission ID
20020

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	7:45:00 AM	10/1/2018	1:29:00 PM

Rain(IN) = 0.45

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.89

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20020

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	7:45:00 AM	10/1/2018	1:29:00 PM

Rain(IN) = 0.45

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.07

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20026

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/2/2018	3:16:00 AM	10/2/2018	8:38:00 AM

Rain(IN) = 0.31

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.09

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20026

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/2/2018	3:16:00 AM	10/2/2018	8:38:00 AM

Rain(IN) = 0.31

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.52

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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Dearborn CSO

Submission ID
20026

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/2/2018	3:16:00 AM	10/2/2018	8:38:00 AM

Rain(IN) = 0.31

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.98

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20086

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:28:00 AM	10/6/2018	11:35:00 PM

Rain(IN) = 2.39

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.97

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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Dearborn CSO

Submission ID
20086

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:28:00 AM	10/6/2018	11:35:00 PM

Rain(IN) = 2.39

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.25

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20086

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:28:00 AM	10/6/2018	11:35:00 PM

Rain(IN) = 2.39

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
8.19

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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Dearborn CSO

Submission ID
20086

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:28:00 AM	10/6/2018	11:35:00 PM

Rain(IN) = 2.39

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
7.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20086

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:28:00 AM	10/6/2018	11:35:00 PM

Rain(IN) = 2.39

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	20.44

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20086

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:28:00 AM	10/6/2018	11:35:00 PM

Rain(IN) = 2.39

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	27.49

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20087

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/12/2018	11:49:00 PM	10/13/2018	4:58:00 AM

Rain(IN) = 0.27

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.06

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20087

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/12/2018	11:49:00 PM	10/13/2018	4:58:00 AM

Rain(IN) = 0.27

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.39

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20087

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/12/2018	11:49:00 PM	10/13/2018	4:58:00 AM

Rain(IN) = 0.27

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.73

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20088

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/20/2018	5:33:00 PM	10/20/2018	10:56:00 PM

Rain(IN) = 0.31

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.09

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20088

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/20/2018	5:33:00 PM	10/20/2018	10:56:00 PM

Rain(IN) = 0.31

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.52

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20088

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/20/2018	5:33:00 PM	10/20/2018	10:56:00 PM

Rain(IN) = 0.31

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.98

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20090

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/27/2018	10:29:00 PM	10/28/2018	7:56:00 PM

Rain(IN) = 0.33

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20090

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/27/2018	10:29:00 PM	10/28/2018	7:56:00 PM

Rain(IN) = 0.33

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.58

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20090

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/27/2018	10:29:00 PM	10/28/2018	7:56:00 PM

Rain(IN) = 0.33

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20091

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	5:27:00 AM	10/31/2018	10:12:00 AM

Rain(IN) = 0.78

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.45

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20091

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	5:27:00 AM	10/31/2018	10:12:00 AM

Rain(IN) = 0.78

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20091

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	5:27:00 AM	10/31/2018	10:12:00 AM

Rain(IN) = 0.78

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20091

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	5:27:00 AM	10/31/2018	10:12:00 AM

Rain(IN) = 0.78

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20091

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	5:27:00 AM	10/31/2018	10:12:00 AM

Rain(IN) = 0.78

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.27

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20091

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	5:27:00 AM	10/31/2018	10:12:00 AM

Rain(IN) = 0.78

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.36

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20137

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	8:48:00 AM	11/2/2018	7:04:00 AM

Rain(IN) = 1.55

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.41

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20137

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	8:48:00 AM	11/2/2018	7:04:00 AM

Rain(IN) = 1.55

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.07

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20137

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	8:48:00 AM	11/2/2018	7:04:00 AM

Rain(IN) = 1.55

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
4.88

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20137

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	8:48:00 AM	11/2/2018	7:04:00 AM

Rain(IN) = 1.55

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.51

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20137

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	8:48:00 AM	11/2/2018	7:04:00 AM

Rain(IN) = 1.55

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	11.06

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20137

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	8:48:00 AM	11/2/2018	7:04:00 AM

Rain(IN) = 1.55

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.74

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20139

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	4:34:00 AM	11/6/2018	3:27:00 PM

Rain(IN) = 0.23

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20139

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	4:34:00 AM	11/6/2018	3:27:00 PM

Rain(IN) = 0.23

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.26

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20139

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	4:34:00 AM	11/6/2018	3:27:00 PM

Rain(IN) = 0.23

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.48

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20136

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/9/2018	5:27:00 AM	11/9/2018	1:00:00 PM

Rain(IN) = 0.35

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.11

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20136

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/9/2018	5:27:00 AM	11/9/2018	1:00:00 PM

Rain(IN) = 0.35

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.65

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20136

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/9/2018	5:27:00 AM	11/9/2018	1:00:00 PM

Rain(IN) = 0.35

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.23

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20109

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/15/2018	3:28:00 PM	11/15/2018	8:22:00 PM

Rain(IN) = 0.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20109

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/15/2018	3:28:00 PM	11/15/2018	8:22:00 PM

Rain(IN) = 0.18

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20109

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/15/2018	3:28:00 PM	11/15/2018	8:22:00 PM

Rain(IN) = 0.18

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.18

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20140

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/24/2018	3:55:00 AM	11/24/2018	10:53:00 AM

Rain(IN) = 0.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.12

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20140

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/24/2018	3:55:00 AM	11/24/2018	10:53:00 AM

Rain(IN) = 0.37

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.72

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20140

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/24/2018	3:55:00 AM	11/24/2018	10:53:00 AM

Rain(IN) = 0.37

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.36

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20141

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	4:47:00 AM	11/26/2018	2:26:00 PM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.35

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20141

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	4:47:00 AM	11/26/2018	2:26:00 PM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.01

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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Dearborn CSO

Submission ID
20141

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	4:47:00 AM	11/26/2018	2:26:00 PM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
1.72

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20141

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	4:47:00 AM	11/26/2018	2:26:00 PM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.69

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20141

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	4:47:00 AM	11/26/2018	2:26:00 PM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.44

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20141

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	4:47:00 AM	11/26/2018	2:26:00 PM

Rain(IN) = 0.67

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.78

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20142

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	11:29:00 PM	12/3/2018	3:13:00 AM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.17

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20142

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	11:29:00 PM	12/3/2018	3:13:00 AM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 003

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.95

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID
20142

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	11:29:00 PM	12/3/2018	3:13:00 AM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 004

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.1

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20142

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	11:29:00 PM	12/3/2018	3:13:00 AM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.82

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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Dearborn CSO

Submission ID
20142

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	11:29:00 PM	12/3/2018	3:13:00 AM

Rain(IN) = 0.44

MI0025542

Waterbody: Rouge River

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	5:42:00 PM	12/21/2018	7:47:00 AM

Rain(IN) = 0.74

Waterbody: River Rouge

MI0025542

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.41

due to rain event, diluted sewerage was discharged in to the rouge river

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	5:42:00 PM	12/21/2018	7:47:00 AM

Rain(IN) = 0.74

Waterbody: River Rouge

MI0025542

Outfall 002

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

due to rain event, diluted sewerage was discharged in to the rouge river

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	5:42:00 PM	12/21/2018	7:47:00 AM

Rain(IN) = 0.74

Waterbody: River Rouge

MI0025542

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.96

due to rain event, diluted sewerage was discharged in to the rouge river

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	5:42:00 PM	12/21/2018	7:47:00 AM

Rain(IN) = 0.74

Waterbody: River Rouge

MI0025542

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.88

due to rain event, diluted sewerage was discharged in to the rouge river

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	5:42:00 PM	12/21/2018	7:47:00 AM

Rain(IN) = 0.74

Waterbody: River Rouge

MI0025542

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.96

due to rain event, diluted sewerage was discharged in to the rouge river

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	5:42:00 PM	12/21/2018	7:47:00 AM

Rain(IN) = 0.74

Waterbody: River Rouge

MI0025542

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.13

due to rain event, diluted sewerage was discharged in to the rouge river

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/27/2018	5:45:00 PM	12/27/2018	10:15:00 PM

Rain(IN) = 0.29

Waterbody: River Rouge

MI0025542

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.38

rain fall mixed with sewer flow crested weir wall and flowed to river

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/27/2018	5:45:00 PM	12/27/2018	10:15:00 PM

Rain(IN) = 0.29

Waterbody: River Rouge

MI0025542

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.38

rain fall mixed with sewer flow crested weir wall and flowed to river

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/27/2018	5:45:00 PM	12/27/2018	10:15:00 PM

Rain(IN) = 0.29

Waterbody: River Rouge

MI0025542

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.38

rain fall mixed with sewer flow crested weir wall and flowed to river

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	1:43:00 PM	1/1/2019	12:04:00 AM

Rain(IN) = 0.94

Waterbody: Rouge River

MI0025542

Outfall 001

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.61

Storm water mixed with sewage and crested weir walls to discharge to river.

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	1:43:00 PM	1/1/2019	12:04:00 AM

Rain(IN) = 0.94

Waterbody: Rouge River

MI0025542

Outfall 002

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Storm water mixed with sewage and crested weir walls to discharge to river.

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	1:43:00 PM	1/1/2019	12:04:00 AM

Rain(IN) = 0.94

Waterbody: Rouge River

MI0025542

Outfall 003

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.66

Storm water mixed with sewage and crested weir walls to discharge to river.

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	1:43:00 PM	1/1/2019	12:04:00 AM

Rain(IN) = 0.94

Waterbody: Rouge River

MI0025542

Outfall 004

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.46

Storm water mixed with sewage and crested weir walls to discharge to river.

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	1:43:00 PM	1/1/2019	12:04:00 AM

Rain(IN) = 0.94

Waterbody: Rouge River

MI0025542

Outfall 013

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.54

Storm water mixed with sewage and crested weir walls to discharge to river.

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	1:43:00 PM	1/1/2019	12:04:00 AM

Rain(IN) = 0.94

Waterbody: Rouge River

MI0025542

Outfall 014

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.48

Storm water mixed with sewage and crested weir walls to discharge to river.

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2025.

Totals Dearborn CSO

Partially Treated (MG)	Dilute Raw Sewage (MG)
	844.69

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

GLWA WRRF

Submission ID
19240

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/11/2018	9:42:00 AM	1/12/2018	5:45:00 PM

Rain(IN) = 1.9

Waterbody: Rouge River

MI0022802

Outfall 050

Partially Treated (MG)	Dilute Raw Sewage (MG)
65.7	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19250

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	5:45:00 AM	1/22/2018	11:12:00 AM

Rain(IN) = 0.52

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19249

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	11:30:00 AM	1/23/2018	9:24:00 AM

Rain(IN) = 0.52

MI0022802

Waterbody: Rouge River

Outfall 050

Partially Treated (MG)	Dilute Raw Sewage (MG)
84.5	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19288

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	12:04:00 PM	2/17/2018	6:28:00 AM

Rain(IN) = 0.08

MI0022802

Waterbody: Rouge River

Outfall 050

Partially Treated (MG)	Dilute Raw Sewage (MG)
212.3	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19289

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	3:28:00 PM	2/15/2018	3:59:00 PM

Rain(IN) = 0.08

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.11

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	1:41:00 PM	2/21/2018	7:23:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.96

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19292

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	3:53:00 PM	2/28/2018	10:36:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Rouge River

Outfall 050

Partially Treated (MG)	Dilute Raw Sewage (MG)
1850.8	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	7:13:00 PM	2/20/2018	5:10:00 PM

Rain(IN) = 2.57

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	24.87

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:03:00 AM	2/20/2018	6:13:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.42

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:09:00 AM	2/20/2018	4:43:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Rouge River

Outfall 062

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.05

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:12:00 AM	2/20/2018	5:36:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.48

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:25:00 AM	2/20/2018	7:10:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	12.87

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:29:00 AM	2/20/2018	6:00:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.47

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:38:00 AM	2/20/2018	6:04:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.08

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:51:00 AM	2/20/2018	5:37:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.87

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:00:00 AM	2/20/2018	3:38:00 PM

Rain(IN) = 2.57

MI0022802

Waterbody: Detroit River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	53.57

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:06:00 AM	2/20/2018	6:21:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Detroit River

Outfall 038

Partially Treated (MG)	Dilute Raw Sewage (MG)
	25.7

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:17:00 AM	2/20/2018	5:10:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Detroit River

Outfall 021

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.26

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19293

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:36:00 AM	2/20/2018	5:39:00 AM

Rain(IN) = 2.57

MI0022802

Waterbody: Detroit River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.21

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19408

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	11:16:00 AM	3/1/2018	1:09:00 PM

Rain(IN) = 1.42

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.66

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19409

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	1:00:00 PM	3/5/2018	12:36:00 PM

Rain(IN) = 1.42

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
798.9	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19418

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/7/2018	10:05:00 AM	3/8/2018	7:26:00 AM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
30.8	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19448

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	8:20:00 PM	3/30/2018	3:54:00 AM

Rain(IN) = 0.64

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
70.7	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19459

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:33:00 PM	4/3/2018	10:28:00 PM

Rain(IN) = 1.01

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.92

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19459

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:45:00 PM	4/3/2018	7:30:00 PM

Rain(IN) = 1.01

MI0022802

Waterbody: Rouge River

Outfall 079

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.41

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19459

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:57:00 PM	4/3/2018	10:28:00 PM

Rain(IN) = 1.01

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.36

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19459

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	6:59:00 PM	4/3/2018	7:19:00 PM

Rain(IN) = 1.01

MI0022802

Waterbody: Rouge River

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.42

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19458

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	7:35:00 PM	4/6/2018	7:45:00 PM

Rain(IN) = 1.01

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
429.5	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19459

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	7:38:00 PM	4/3/2018	8:23:00 PM

Rain(IN) = 1.01

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.16

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19459

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	7:57:00 PM	4/3/2018	8:57:00 PM

Rain(IN) = 1.01

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.74

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	8:09:00 AM	4/15/2018	8:14:00 PM

Rain(IN) = 2.34

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.91

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	8:31:00 AM	4/15/2018	11:00:00 PM

Rain(IN) = 2.34

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	32.81

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	8:34:00 AM	4/15/2018	4:31:00 PM

Rain(IN) = 2.34

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	32.02

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19482

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	8:46:00 AM	4/20/2018	5:31:00 AM

Rain(IN) = 2.34

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
1987.5	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	10:49:00 AM	4/15/2018	11:00:00 PM

Rain(IN) = 2.34

MI0022802

Waterbody: Detroit River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	31.23

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:29:00 AM	4/16/2018	12:54:00 AM

Rain(IN) = 2.34

MI0022802

Waterbody: Detroit River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	260.06

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:34:00 AM	4/15/2018	7:54:00 PM

Rain(IN) = 2.34

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	16.58

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:49:00 AM	4/15/2018	6:05:00 PM

Rain(IN) = 2.34

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:52:00 AM	4/15/2018	7:50:00 PM

Rain(IN) = 2.34

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.51

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:56:00 AM	4/15/2018	8:24:00 PM

Rain(IN) = 2.34

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.55

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19483

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	1:34:00 PM	4/16/2018	12:08:00 AM

Rain(IN) = 2.34

MI0022802

Waterbody: Detroit River

Outfall 006

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.52

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19591

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	10:14:00 PM	5/6/2018	2:38:00 PM

Rain(IN) = 1.19

MI0022802

Waterbody: Rouge River

Outfall 062

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.42

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19591

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	10:14:00 PM	5/16/2018	2:43:00 PM

Rain(IN) = 1.19

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.33

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19591

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	10:36:00 PM	5/2/2018	11:06:00 PM

Rain(IN) = 1.19

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.08

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19591

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	11:01:00 PM	5/2/2018	11:26:00 PM

Rain(IN) = 1.19

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.3

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19590

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	12:53:00 AM	5/5/2018	9:25:00 PM

Rain(IN) = 1.19

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
475	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19591

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/6/2018	1:55:00 PM	5/6/2018	2:05:00 PM

Rain(IN) = 1.19

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19591

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/6/2018	2:32:00 PM	5/6/2018	2:55:00 PM

Rain(IN) = 1.19

MI0022802

Waterbody: Rouge River (Old Channel)

Outfall 046

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.04

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	6:28:00 PM	5/15/2018	3:11:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)

Dilute Raw Sewage (MG)
10.65

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	6:51:00 PM	5/15/2018	7:15:00 PM

Rain(IN) = 3.83

MI0022802

Waterbody: Rouge River (Old Channel)

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.66

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	6:53:00 PM	5/11/2018	7:50:00 PM

Rain(IN) = 3.83

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.28

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	7:50:00 PM	5/15/2018	5:08:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	41.57

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19627

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	8:07:00 PM	5/17/2018	9:05:00 PM

Rain(IN) = 3.83

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
2460.4	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	1:58:00 AM	5/15/2018	4:16:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	38.48

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	2:03:00 AM	5/15/2018	3:33:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.64

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	2:18:00 AM	5/12/2018	3:02:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.16

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	2:22:00 AM	5/12/2018	4:06:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Rouge River

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	11.63

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	2:53:00 AM	5/12/2018	4:10:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.5

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	3:16:00 AM	5/13/2018	5:16:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Detroit River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	52.6

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	3:22:00 AM	5/12/2018	3:30:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	3:30:00 AM	5/12/2018	12:13:00 PM

Rain(IN) = 3.83

MI0022802

Waterbody: Rouge River

Outfall 065

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.54

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19628

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	2:54:00 AM	5/15/2018	3:14:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.21

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19655

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	12:54:00 PM	5/25/2018	2:18:00 AM

Rain(IN) = 0.55

MI0022802

Waterbody: Rouge River (Old Channel)

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	32.62

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19655

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	2:12:00 PM	5/21/2018	7:47:00 PM

Rain(IN) = 0.55

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.94

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19655

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	2:42:00 PM	5/19/2018	3:07:00 PM

Rain(IN) = 0.55

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.61

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19652

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	3:50:00 PM	5/22/2018	7:15:00 PM

Rain(IN) = 0.55

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
216.7	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19655

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	7:02:00 PM	5/21/2018	8:42:00 PM

Rain(IN) = 0.55

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	12.79

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19690

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	7:22:00 PM	5/30/2018	7:42:00 PM

Rain(IN) = 0.24

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19690

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	7:33:00 PM	5/30/2018	7:58:00 PM

Rain(IN) = 0.24

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.23

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19690

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	1:40:00 PM	6/1/2018	1:50:00 PM

Rain(IN) = 0.24

MI0022802

Waterbody: Rouge River (Old Channel)

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	8:27:00 AM	6/3/2018	8:57:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	8:30:00 AM	6/3/2018	12:28:00 PM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.09

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	8:32:00 AM	6/3/2018	10:05:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.04

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	8:32:00 AM	6/3/2018	9:48:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 079

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.35

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	8:46:00 AM	6/3/2018	10:28:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	8:48:00 AM	6/3/2018	9:14:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River (Old Channel)

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.08

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	8:51:00 AM	6/3/2018	11:30:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	27.99

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	8:51:00 AM	6/3/2018	9:36:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.71

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:00:00 AM	6/3/2018	12:02:00 PM

Rain(IN) = 0.11

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.59

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:02:00 AM	6/3/2018	9:33:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.51

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:03:00 AM	6/3/2018	11:32:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.9

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:28:00 AM	6/3/2018	12:28:00 PM

Rain(IN) = 0.11

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.21

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	9:34:00 AM	6/3/2018	11:25:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 061

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.74

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	10:15:00 AM	6/3/2018	10:24:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Detroit River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.99

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19694

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	11:04:00 AM	6/4/2018	3:12:00 AM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
216.8	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19695

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	11:06:00 AM	6/3/2018	12:07:00 PM

Rain(IN) = 0.11

MI0022802

Waterbody: Detroit River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.88

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19696

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/5/2018	11:39:00 AM	6/6/2018	11:03:00 AM

Rain(IN) = 0.12

MI0022802

Waterbody: Rouge River (Old Channel)

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.08

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19703

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/12/2018	9:33:00 PM	6/12/2018	10:20:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.34

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	10:23:00 PM	6/19/2018	11:00:00 AM

Rain(IN) = 1.39

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.75

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	10:28:00 PM	6/18/2018	11:37:00 PM

Rain(IN) = 1.39

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	10:36:00 PM	6/18/2018	10:41:00 PM

Rain(IN) = 1.39

MI0022802

Waterbody: Rouge River (Old Channel)

Outfall 046

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	10:38:00 PM	6/19/2018	10:50:00 AM

Rain(IN) = 1.39

MI0022802

Waterbody: Rouge River

Outfall 062

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.13

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	10:39:00 PM	6/18/2018	11:37:00 PM

Rain(IN) = 1.39

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.99

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	10:44:00 PM	6/18/2018	10:56:00 PM

Rain(IN) = 1.39

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.44

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	10:48:00 PM	6/18/2018	11:18:00 PM

Rain(IN) = 1.39

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.65

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	10:56:00 PM	6/18/2018	11:11:00 PM

Rain(IN) = 1.39

MI0022802

Waterbody: Detroit River

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.47

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	10:57:00 PM	6/18/2018	11:12:00 PM

Rain(IN) = 1.39

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:34:00 PM	6/19/2018	12:39:00 AM

Rain(IN) = 1.39

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.29

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:34:00 PM	6/19/2018	12:29:00 AM

Rain(IN) = 1.39

MI0022802

Waterbody: Detroit River

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.12

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19720

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:54:00 PM	6/19/2018	8:33:00 AM

Rain(IN) = 1.39

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
121.4	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19721

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/19/2018	12:00:00 AM	6/19/2018	12:30:00 AM

Rain(IN) = 1.39

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.29

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19740

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	12:33:00 PM	6/23/2018	6:13:00 PM

Rain(IN) = 1.16

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.92

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19739

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	4:22:00 PM	6/24/2018	4:22:00 AM

Rain(IN) = 1.16

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
207.3	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19740

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	5:27:00 PM	6/23/2018	7:05:00 PM

Rain(IN) = 1.16

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.2

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19740

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	5:57:00 PM	6/23/2018	7:53:00 PM

Rain(IN) = 1.16

MI0022802

Waterbody: Detroit River

Outfall 029

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.28

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19740

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	6:11:00 PM	6/23/2018	7:40:00 PM

Rain(IN) = 1.16

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.5

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19740

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	6:53:00 PM	6/23/2018	7:00:00 PM

Rain(IN) = 1.16

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.18

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19740

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	7:12:00 PM	6/23/2018	7:53:00 PM

Rain(IN) = 1.16

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.94

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19740

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	7:14:00 PM	6/23/2018	7:24:00 PM

Rain(IN) = 1.16

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.13

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19740

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	7:28:00 PM	6/23/2018	7:56:00 PM

Rain(IN) = 1.16

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.12

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19756

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	7:43:00 AM	6/27/2018	7:53:00 AM

Rain(IN) = 0.1

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19756

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	12:43:00 PM	6/27/2018	1:27:00 PM

Rain(IN) = 0.1

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.32

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19840

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	2:02:00 PM	6/28/2018	12:53:00 AM

Rain(IN) = 0.1

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
78.9	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19791

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/4/2018	2:11:00 PM	7/4/2018	3:43:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	11.54

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19792

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/5/2018	6:48:00 PM	7/5/2018	7:44:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19792

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/5/2018	6:53:00 PM	7/5/2018	8:09:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.11

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19792

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/5/2018	6:58:00 PM	7/5/2018	7:52:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.67

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19792

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/5/2018	7:03:00 PM	7/5/2018	7:27:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 068

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19806

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/15/2018	6:31:00 PM	7/15/2018	7:36:00 PM

Rain(IN) = 0.38

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.8

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19806

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/15/2018	7:38:00 PM	7/15/2018	8:35:00 PM

Rain(IN) = 0.38

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19806

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/15/2018	8:01:00 PM	7/15/2018	11:33:00 PM

Rain(IN) = 0.38

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	29.11

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19809

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/15/2018	10:28:00 PM	7/16/2018	4:55:00 AM

Rain(IN) = 0.36

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
18.8	

Rainfall

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19806

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/16/2018	12:03:00 PM	7/16/2018	3:58:00 PM

Rain(IN) = 0.38

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.04

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19824

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/21/2018	8:45:00 AM	7/21/2018	9:00:00 AM

Rain(IN) = 0.45

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.14

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19841

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/26/2018	9:26:00 AM	7/26/2018	9:47:00 AM

Rain(IN) = 0.38

MI0022802

Waterbody: Rouge River

Outfall 068

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.57

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19841

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/26/2018	12:32:00 PM	7/26/2018	1:07:00 PM

Rain(IN) = 0.38

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.76

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19841

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/26/2018	1:11:00 PM	7/26/2018	1:36:00 PM

Rain(IN) = 0.38

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.26

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	10:46:00 PM	8/1/2018	12:42:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:20:00 PM	8/1/2018	1:01:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.74

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:23:00 PM	8/1/2018	3:14:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.36

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:31:00 PM	8/1/2018	1:36:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.63

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:45:00 PM	8/1/2018	12:56:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.53

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:52:00 PM	8/1/2018	12:47:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 068

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.13

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:57:00 PM	8/1/2018	2:02:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 079

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.58

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19848

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:01:00 AM	8/2/2018	7:31:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
268	

Heavy Rainfall.

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:03:00 AM	8/1/2018	2:38:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 060

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.76

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:07:00 AM	8/1/2018	2:41:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	17.26

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:07:00 AM	8/1/2018	1:54:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:17:00 AM	8/1/2018	3:58:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	41.49

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:17:00 AM	8/1/2018	5:25:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.62

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19846

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:24:00 AM	8/1/2018	1:59:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 072

Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.82

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	6:27:00 PM	8/6/2018	9:13:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.47

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	6:27:00 PM	8/6/2018	6:46:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Rouge River

Outfall 079

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.42

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	6:31:00 PM	8/6/2018	10:12:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.56

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	6:31:00 PM	8/6/2018	9:42:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.21

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	6:35:00 PM	8/6/2018	8:40:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	6:41:00 PM	8/6/2018	8:56:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.27

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	6:41:00 PM	8/6/2018	8:36:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Detroit River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	7:07:00 PM	8/6/2018	8:56:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.32

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	7:27:00 PM	8/6/2018	9:22:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.36

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:01:00 PM	8/6/2018	8:16:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.12

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19868

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:07:00 PM	8/6/2018	8:36:00 PM

Rain(IN) = 0.31

MI0022802

Waterbody: Detroit River

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19869

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:30:00 PM	8/7/2018	8:02:00 AM

Rain(IN) = 0.31

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
87	

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19875

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/9/2018	5:17:00 PM	8/9/2018	5:37:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 068

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19875

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/9/2018	5:51:00 PM	8/9/2018	6:47:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.5

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19875

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/9/2018	5:51:00 PM	8/9/2018	5:57:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Detroit River

Outfall 027

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.07

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19875

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/9/2018	5:56:00 PM	8/9/2018	6:31:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Detroit River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19875

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/9/2018	5:57:00 PM	8/9/2018	6:10:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.46

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19875

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/9/2018	6:17:00 PM	8/9/2018	7:15:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.99

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19877

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/9/2018	7:43:00 PM	8/10/2018	1:02:00 AM

Rain(IN) = 0.01

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
17.5	

Rainfall
Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19887

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	1:03:00 PM	8/17/2018	2:33:00 PM

Rain(IN) = 0.13

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.93

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19887

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	1:45:00 PM	8/17/2018	2:24:00 PM

Rain(IN) = 0.13

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.17

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19887

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:14:00 PM	8/17/2018	3:29:00 PM

Rain(IN) = 0.13

MI0022802

Waterbody: Rouge River

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.12

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19887

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:16:00 PM	8/17/2018	3:31:00 PM

Rain(IN) = 0.13

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19887

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:39:00 PM	8/17/2018	3:20:00 PM

Rain(IN) = 0.13

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.18

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19887

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:41:00 PM	8/17/2018	4:54:00 PM

Rain(IN) = 0.13

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	21.84

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19887

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/17/2018	2:42:00 PM	8/17/2018	3:32:00 PM

Rain(IN) = 0.13

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.7

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19895

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	6:27:00 PM	8/18/2018	7:15:00 PM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.11

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19895

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	6:29:00 PM	8/18/2018	9:09:00 PM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	19.41

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19895

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	6:37:00 PM	8/18/2018	6:57:00 PM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.9

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19895

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	7:53:00 PM	8/18/2018	9:24:00 PM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.7

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19895

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	8:02:00 PM	8/18/2018	8:45:00 PM

Rain(IN) = 0.11

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.17

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	3:35:00 PM	9/1/2018	5:01:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.31

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	3:36:00 PM	9/1/2018	11:01:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.17

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	3:49:00 PM	9/1/2018	4:29:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.56

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	3:55:00 PM	9/1/2018	4:13:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Rouge River

Outfall 062

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.08

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	3:55:00 PM	9/1/2018	4:35:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.09

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	3:56:00 PM	9/1/2018	4:36:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Rouge River

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.75

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	3:57:00 PM	9/1/2018	7:56:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	6.02

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:04:00 PM	9/1/2018	5:39:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	16.19

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:14:00 PM	9/1/2018	5:04:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.3

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:14:00 PM	9/1/2018	4:44:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.7

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:18:00 PM	9/1/2018	4:28:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.25

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:21:00 PM	9/1/2018	4:50:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Detroit River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:31:00 PM	9/1/2018	4:51:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Detroit River

Outfall 033

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.14

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	4:34:00 PM	9/1/2018	5:04:00 PM

Rain(IN) = 0.73

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.27

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19933

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	5:10:00 PM	9/1/2018	8:25:00 PM

Rain(IN) = 0.73

Waterbody: Rouge River

MI0022802

Outfall 060

Partially Treated (MG)	Dilute Raw Sewage (MG)
	24.84

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19932

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	6:30:00 PM	9/2/2018	5:15:00 AM

Rain(IN) = 0.73

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
103.5	

Rainfall

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19934

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	12:23:00 PM	9/3/2018	11:09:00 PM

Rain(IN) = 0.81

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19934

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	12:25:00 PM	9/4/2018	12:49:00 AM

Rain(IN) = 0.81

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.94

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19934

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	12:38:00 PM	9/3/2018	12:55:00 PM

Rain(IN) = 0.81

MI0022802

Waterbody: Rouge River

Outfall 062

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.13

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19934

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	1:06:00 PM	9/4/2018	12:30:00 AM

Rain(IN) = 0.81

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.33

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19935

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	4:14:00 PM	9/3/2018	6:45:00 PM

Rain(IN) = 0.81

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
6.2	

Heavy Rain

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19941

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/5/2018	9:44:00 PM	9/6/2018	3:27:00 PM

Rain(IN) = 0.09

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.7

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19941

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/6/2018	12:18:00 AM	9/6/2018	12:53:00 AM

Rain(IN) = 0.09

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.79

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19949

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/10/2018	5:39:00 AM	9/10/2018	8:23:00 AM

Rain(IN) = 0.28

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.61

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	6:30:00 AM	9/20/2018	9:12:00 PM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.52

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	6:39:00 AM	9/20/2018	11:30:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.92

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	6:44:00 AM	9/20/2018	11:48:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.11

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	6:56:00 AM	9/20/2018	10:53:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 062

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.22

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:13:00 AM	9/20/2018	11:09:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.57

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:15:00 AM	9/20/2018	12:31:00 PM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River (Old Channel)

Outfall 048

Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.34

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:23:00 AM	9/20/2018	12:41:00 PM

Rain(IN) = 1.53

MI0022802

Waterbody: Detroit River

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.09

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:23:00 AM	9/20/2018	11:26:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 060

Partially Treated (MG)	Dilute Raw Sewage (MG)
	99.78

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:24:00 AM	9/20/2018	10:00:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Detroit River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.35

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:24:00 AM	9/20/2018	10:49:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.91

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:26:00 AM	9/20/2018	10:45:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.21

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:27:00 AM	9/20/2018	8:42:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Detroit River

Outfall 027

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.23

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:35:00 AM	9/20/2018	10:38:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	13.95

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:44:00 AM	9/20/2018	11:12:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.3

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:56:00 AM	9/20/2018	10:06:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Detroit River

Outfall 033

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.62

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:59:00 AM	9/20/2018	10:31:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.39

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	8:24:00 AM	9/20/2018	11:14:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	29.47

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	8:25:00 AM	9/20/2018	10:20:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.25

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	8:28:00 AM	9/20/2018	9:38:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 069

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.57

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19968

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	8:28:00 AM	9/20/2018	9:49:00 AM

Rain(IN) = 1.53

Waterbody: Rouge River

MI0022802

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.64

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19969

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	9:32:00 AM	9/21/2018	4:33:00 AM

Rain(IN) = 1.53

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
204	

Heavy Rainfall

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/24/2018	3:38:00 PM	9/25/2018	7:57:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.15

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:16:00 AM	9/25/2018	8:11:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.3

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:17:00 AM	9/25/2018	10:50:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.2

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:23:00 AM	9/25/2018	8:57:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River

Outfall 062

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.34

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:25:00 AM	9/26/2018	2:23:00 AM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River (Old Channel)

Outfall 048

Partially Treated (MG)	Dilute Raw Sewage (MG)
	14.68

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:36:00 AM	9/25/2018	11:00:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.33

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:38:00 AM	9/25/2018	11:22:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	23.07

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:38:00 AM	9/25/2018	10:54:00 AM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 011

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.12

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:38:00 AM	9/25/2018	10:55:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.53

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:38:00 AM	9/25/2018	10:18:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River

Outfall 060

Partially Treated (MG)	Dilute Raw Sewage (MG)
	117.33

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:38:00 AM	9/25/2018	9:43:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	11.32

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:42:00 AM	9/25/2018	8:55:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 027

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.62

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:43:00 AM	9/25/2018	10:55:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.62

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:43:00 AM	9/25/2018	10:10:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.34

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:44:00 AM	9/25/2018	11:17:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	14.42

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:48:00 AM	9/25/2018	9:25:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.09

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:59:00 AM	9/25/2018	9:30:00 PM

Rain(IN) = 2.92

Waterbody: Detroit River

MI0022802

Outfall 036

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.36

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19976

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	9:15:00 AM	9/27/2018	8:26:00 AM

Rain(IN) = 2.92

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
583.5	

Rainfall

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	7:41:00 PM	9/25/2018	9:01:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.48

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	7:43:00 PM	9/25/2018	10:10:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	24.64

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	7:43:00 PM	9/25/2018	8:48:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.22

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
19974

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:47:00 PM	9/25/2018	10:07:00 PM

Rain(IN) = 2.92

MI0022802

Waterbody: Detroit River

Outfall 040

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.36

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19994

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/28/2018	7:02:00 PM	9/28/2018	8:36:00 PM

Rain(IN) = 0.01

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.42

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20005

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	6:28:00 AM	10/2/2018	2:09:00 AM

Rain(IN) = 0.43

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.12

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20005

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	6:37:00 AM	10/2/2018	6:05:00 AM

Rain(IN) = 0.43

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.09

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
20005

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	6:43:00 AM	10/1/2018	7:43:00 AM

Rain(IN) = 0.43

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.13

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20005

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	6:51:00 AM	10/2/2018	5:41:00 PM

Rain(IN) = 0.43

MI0022802

Waterbody: Rouge River

Outfall 062

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.63

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20005

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	6:58:00 AM	10/1/2018	12:21:00 PM

Rain(IN) = 0.43

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	20.43

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20005

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	7:06:00 AM	10/2/2018	5:40:00 AM

Rain(IN) = 0.43

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.2

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20005

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	7:11:00 AM	10/2/2018	6:23:00 AM

Rain(IN) = 0.43

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.84

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20005

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	7:32:00 AM	10/1/2018	9:32:00 AM

Rain(IN) = 0.43

Waterbody: Rouge River

MI0022802

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.32

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20006

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	9:14:00 AM	10/3/2018	8:21:00 PM

Rain(IN) = 0.43

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
395	

Rainfall

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20005

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:05:00 AM	10/1/2018	12:20:00 PM

Rain(IN) = 0.43

MI0022802

Waterbody: Rouge River

Outfall 060

Partially Treated (MG)	Dilute Raw Sewage (MG)
	12.68

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	2:18:00 AM	10/6/2018	9:55:00 PM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.91

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	2:38:00 AM	10/6/2018	10:13:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	2:47:00 AM	10/6/2018	8:18:00 PM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.24

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	2:57:00 AM	10/6/2018	2:58:00 PM

Rain(IN) = 1.3

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	17.47

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	2:57:00 AM	10/6/2018	7:36:00 PM

Rain(IN) = 1.3

MI0022802

Waterbody: Detroit River

Outfall 019

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.31

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:01:00 AM	10/6/2018	4:01:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Detroit River

Outfall 008

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.68

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:03:00 AM	10/6/2018	10:37:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 062

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.64

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:04:00 AM	10/6/2018	10:40:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Detroit River

Outfall 017

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.07

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:04:00 AM	10/6/2018	3:35:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Detroit River

Outfall 031

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.43

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:06:00 AM	10/6/2018	5:57:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.35

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:07:00 AM	10/6/2018	3:28:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Detroit River

Outfall 016

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.3

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:10:00 AM	10/6/2018	4:06:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 077

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.85

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:11:00 AM	10/6/2018	3:36:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Detroit River

Outfall 033

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.14

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:14:00 AM	10/6/2018	12:54:00 PM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	33.18

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:19:00 AM	10/6/2018	5:54:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 060

Partially Treated (MG)	Dilute Raw Sewage (MG)
	50.32

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:21:00 AM	10/6/2018	4:42:00 AM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 069

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.43

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:40:00 AM	10/7/2018	3:20:00 PM

Rain(IN) = 1.3

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	10.23

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	4:08:00 AM	10/6/2018	8:01:00 PM

Rain(IN) = 1.3

MI0022802

Waterbody: Detroit River

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.38

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20051

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	4:13:00 AM	10/8/2018	8:52:00 AM

Rain(IN) = 1.3

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
657.3	

Rainfall

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	10:29:00 AM	10/6/2018	12:54:00 PM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.21

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20050

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	4:06:00 PM	10/6/2018	4:33:00 PM

Rain(IN) = 1.3

MI0022802

Waterbody: Rouge River

Outfall 054

Partially Treated (MG)	Dilute Raw Sewage (MG)
	16.45

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20082

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/21/2018	6:45:00 AM	11/2/2018	8:31:00 AM

Rain(IN) = 2.44

MI0022802

Waterbody: Detroit River

Outfall 022

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.05

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20077

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/28/2018	5:38:00 PM	10/28/2018	6:59:00 PM

Rain(IN) = 0.21

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.54

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20082

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	4:42:00 AM	11/2/2018	3:00:00 AM

Rain(IN) = 2.44

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.78

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20082

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	6:17:00 AM	11/1/2018	10:55:00 PM

Rain(IN) = 2.44

MI0022802

Waterbody: Detroit River

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.65

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20082

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	6:24:00 AM	11/2/2018	3:51:00 AM

Rain(IN) = 2.44

Waterbody: Rouge River

MI0022802

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	32.22

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20081

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	7:24:00 AM	11/4/2018	5:54:00 AM

Rain(IN) = 2.44

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
836	

Rainfall

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20082

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	5:52:00 PM	11/1/2018	11:00:00 PM

Rain(IN) = 2.44

MI0022802

Waterbody: Detroit River

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.19

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20082

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	6:22:00 PM	11/1/2018	7:27:00 PM

Rain(IN) = 2.44

MI0022802

Waterbody: Rouge River

Outfall 060

Partially Treated (MG)	Dilute Raw Sewage (MG)
	20.43

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20115

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	4:24:00 AM	11/6/2018	4:59:00 AM

Rain(IN) = 0.16

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.16

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20115

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	4:55:00 AM	11/6/2018	7:24:00 AM

Rain(IN) = 0.16

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.6

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20114

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	9:38:00 AM	11/6/2018	12:52:00 PM

Rain(IN) = 0.16

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
5.9	

Rainfall
Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20116

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/9/2018	7:01:00 AM	11/9/2018	6:19:00 PM

Rain(IN) = 0.3

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.04

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20116

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/9/2018	11:00:00 AM	11/9/2018	11:30:00 AM

Rain(IN) = 0.3

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.17

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20120

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/24/2018	4:35:00 AM	11/24/2018	6:37:00 AM

Rain(IN) = 0.38

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.44

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20121

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	3:20:00 AM	11/26/2018	11:16:00 AM

Rain(IN) = 0.6

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.62

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20123

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	7:59:00 AM	11/28/2018	2:21:00 AM

Rain(IN) = 0.6

Waterbody: Rouge River

MI0022802

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
284.7	

Primary Effluent unable to discharge out DRO, wet weather.

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20134

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	11:31:00 PM	12/2/2018	3:34:00 AM

Rain(IN) = 0.59

MI0022802

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.69

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
20134

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	11:58:00 PM	12/2/2018	1:24:00 AM

Rain(IN) = 0.59

MI0022802

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.39

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20134

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	12:12:00 AM	12/2/2018	1:43:00 AM

Rain(IN) = 0.59

Waterbody: Rouge River

MI0022802

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.25

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20133

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	2:06:00 AM	12/3/2018	8:24:00 AM

Rain(IN) = 0.59

MI0022802

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
212.6	

Rainfall

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	3:59:00 AM	12/21/2018	6:24:00 AM

Rain(IN) = 0.58

Waterbody: Rouge River

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.2

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	4:55:00 AM	12/21/2018	5:16:00 AM

Rain(IN) = 0.58

Waterbody: Rouge River

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.09

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	4:56:00 AM	12/21/2018	6:01:00 AM

Rain(IN) = 0.58

Waterbody: Rouge River

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.41

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	9:54:00 AM	12/22/2018	1:39:00 AM

Rain(IN) = 0.58

Waterbody: Rouge River

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
27.9	

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/27/2018	6:05:00 PM	12/27/2018	7:36:00 PM

Rain(IN) = 0.39

Waterbody: River Rouge

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.92

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	2:22:00 PM	12/31/2018	7:02:00 PM

Rain(IN) = 0.94

Waterbody: Rouge River

PDES MI002280

Outfall 067

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.39

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	2:54:00 PM	12/31/2018	8:25:00 PM

Rain(IN) = 0.94

Waterbody: Rouge River

PDES MI002280

Outfall 059

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.84

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:03:00 PM	12/31/2018	6:32:00 PM

Rain(IN) = 0.94

Waterbody: Detroit River

PDES MI002280

Outfall 063

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.94

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:36:00 PM	12/31/2018	10:25:00 PM

Rain(IN) = 0.94

Waterbody: Detroit River

PDES MI002280

Outfall 007

Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.62

Rain12/31/18 15:36 to 12/31/18 19:17 and 12/31/18 21:29 to 12/31/18 22:25

Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:43:00 PM	12/31/2018	6:41:00 PM

Rain(IN) = 0.94

Waterbody: Rouge River

PDES MI002280

Outfall 074

Partially Treated (MG)	Dilute Raw Sewage (MG)
	21.1

RainB80 – 12/31/18 16:05 – 12/31/18 18:04 - 3.02MG; B81 – 12/31/18 15:43 – 12/31/18 18:41 - 18.08MG

Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	4:05:00 PM	12/31/2018	6:00:00 PM

Rain(IN) = 0.94

Waterbody: Rouge River

PDES MI002280

Outfall 064

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.86

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	4:15:00 PM	12/31/2018	6:39:00 AM

Rain(IN) = 0.94

Waterbody: Rouge River

PDES MI002280

Outfall 075

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.17

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	4:30:00 PM	1/2/2019	9:23:00 AM

Rain(IN) = 0.94

Waterbody: Rouge River

PDES MI002280

Outfall 50A

Partially Treated (MG)	Dilute Raw Sewage (MG)
607.9	

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	4:44:00 PM	12/31/2018	8:35:00 PM

Rain(IN) = 0.94

Waterbody: Rouge River

PDES MI002280

Outfall 060

Partially Treated (MG)	Dilute Raw Sewage (MG)
	69.13

Rain
Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.
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MG = million gallons

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:07:00 PM	12/31/2018	10:27:00 AM

Rain(IN) = 0.94

Waterbody: Detroit River

PDES MI002280

Outfall 005

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.63

Rain12/31/18 17:07 to 12/31/18 19:06 and 12/31/18 22:05 to 12/31/18 22:27

Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	9:33:00 PM	12/31/2018	10:48:00 PM

Rain(IN) = 0.94

Waterbody: Detroit River

PDES MI002280

Outfall 012

Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.79

Rain

Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Schedule of Compliance Description: The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

Totals GLWA WRRF

Partially Treated (MG)	Dilute Raw Sewage (MG)
13623	1921.76

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Redford Twp CSO

Redford Twp CSO

Submission ID
19455

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	11:00:00 PM	2/21/2018	8:00:00 PM

Rain(IN) = 2

MI0051829

Waterbody: Rouge River, Upper Branch

Outfall 45A

Partially Treated (MG)

Dilute Raw Sewage (MG)
8.37

Actions by EGLE: Long term control program: LTCP being implemented. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Redford Twp CSO

Submission ID
19778

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:49:00 AM	4/16/2018	2:01:00 PM

Rain(IN) = 2.57

MI0051829

Waterbody: Rouge River, Upper Branch

Outfall 45A

Partially Treated (MG)

Dilute Raw Sewage (MG)
7.55

Actions by EGLE: Long term control program: LTCP being implemented. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Redford Twp CSO

Submission ID
19784

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	3:50:00 AM	5/12/2018	8:59:00 PM

Rain(IN) = 2.71

MI0051829

Waterbody: Rouge River, Upper Branch

Outfall 45A

Partially Treated (MG)

Dilute Raw Sewage (MG)
8.02

Actions by EGLE: Long term control program: LTCP being implemented. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Redford Twp CSO

Submission ID
19786

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/14/2018	8:56:00 AM	5/14/2018	7:09:00 PM

Rain(IN) = 0.76

MI0051829

Waterbody: Rouge River, Upper Branch

Outfall 45A

Partially Treated (MG)

Dilute Raw Sewage (MG)
4.65

Actions by EGLE: Long term control program: LTCP being implemented. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Redford Twp CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:01:00 PM	12/31/2018	7:02:00 PM

Rain(IN) = 0.82

M10051829

Waterbody: Rouge River

Outfall 45A

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.075786

Discharge is based on information from Wayne Co. . At time of notification from Wayne Co., (6:30) the discharge was still commencing and is due to excessive rainfall.Based on information from Wayne Co. operators at Redford CSO Basin, the event began at 5:

Actions by EGLE: Long term control program: LTCP being implemented. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Totals Redford Twp CSO

Partially Treated (MG)

Dilute Raw Sewage (MG)
28.665786

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Southgate-Wyandotte CSO RTF

Submission ID
19389

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:50:00 AM	2/20/2018	5:43:00 AM

Rain(IN) = 2.11

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.9889

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19421

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	1:20:00 PM	3/1/2018	1:26:00 PM

Rain(IN) = 1.78

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.9963

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19624

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	11:30:00 PM	5/2/2018	11:50:00 PM

Rain(IN) = 1.78

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
9.963

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19647

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	12:50:00 AM	5/12/2018	1:30:00 PM

Rain(IN) = 1.62

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
36.8631

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19681

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	3:40:00 PM	5/20/2018	12:40:00 PM

Rain(IN) = 1.08

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
83.808

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19705

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	4:00:00 PM	6/1/2018	4:30:00 PM

Rain(IN) = 0.4

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
4.9815

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19754

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:50:00 PM	6/19/2018	1:00:00 AM

Rain(IN) = 1.38

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

Partially Treated (MG)

Dilute Raw Sewage (MG)
35.9189

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19859

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:15:00 AM	8/1/2018	1:30:00 AM

Rain(IN) = 1.15

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 002

Partially Treated (MG)

Dilute Raw Sewage (MG)
13.9482

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19966

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	11:30:00 AM	9/20/2018	11:45:00 AM

Rain(IN) = 0.64

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 002

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.9889

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19983

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:00:00 PM	9/25/2018	11:20:00 PM

Rain(IN) = 2.64

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 002

Partially Treated (MG)	Dilute Raw Sewage (MG)
	74.7225

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Totals Southgate-Wyandotte CSO RTF

Partially Treated (MG)	Dilute Raw Sewage (MG)
	267.1793

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Wayne Co/Dearborn Heights CSO

Submission ID
19451

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	12:00:00 AM	2/21/2018	2:10:00 PM

Rain(IN) = 2.26

MI0051489

Waterbody: Rouge River, Middle Branch

Outfall M13

Partially Treated (MG)

Dilute Raw Sewage (MG)
8.27

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID
19779

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	6:00:00 PM	4/16/2018	7:00:00 PM

Rain(IN) = 2.51

MI0051489

Waterbody: Rouge River, Upper Branch

Outfall U01

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.79

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Submission ID
20157

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	8:05:00 AM	9/20/2018	4:35:00 PM

Rain(IN) = 3

MI0051489

Waterbody: Rouge River, Lower Branch

Outfall L43

Partially Treated (MG)

Dilute Raw Sewage (MG)
5.21

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID
20161

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	9:20:00 AM	9/26/2018	7:00:00 AM

Rain(IN) = 2.71

MI0051489

Waterbody: Rouge River, Middle Branch

Outfall M13

Partially Treated (MG)

Dilute Raw Sewage (MG)
4.65

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID
20169

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	9:15:00 AM	11/26/2018	4:50:00 PM

Rain(IN) = 0.71

MI0051489

Waterbody: Rouge River, Lower Branch

Outfall L43

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.1

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Submission ID
20170

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	9:15:00 AM	11/26/2018	4:50:00 PM

Rain(IN) = 0.71

MI0051489

Waterbody: Rouge River, Middle Branch

Outfall M13

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.24

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID
20171

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	9:15:00 AM	11/26/2018	4:50:00 PM

Rain(IN) = 0.71

MI0051489

Waterbody: Rouge River, Middle Branch

Outfall M14

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.2

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID
20172

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	9:15:00 AM	11/26/2018	4:50:00 PM

Rain(IN) = 0.71

MI0051489

Waterbody: Rouge River, Upper Branch

Outfall U01

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.21

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Submission ID
20176

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	12:59:00 AM	12/2/2018	6:15:00 AM

Rain(IN) = 0.54

MI0051489

Waterbody: Rouge River, Lower Branch

Outfall L43

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.08

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID
20177

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	12:59:00 AM	12/2/2018	6:15:00 AM

Rain(IN) = 0.54

MI0051489

Waterbody: Rouge River, Middle Branch

Outfall M13

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.18

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID
20178

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	12:59:00 AM	12/2/2018	6:15:00 AM

Rain(IN) = 0.54

MI0051489

Waterbody: Rouge River, Middle Branch

Outfall M14

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.15

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Submission ID
20179

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	12:59:00 AM	12/2/2018	6:15:00 AM

Rain(IN) = 0.54

MI0051489

Waterbody: Rouge River, Upper Branch

Outfall U01

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.16

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	5:50:00 AM	12/21/2018	11:50:00 AM

Rain(IN) = 0.62

MI0051489

Waterbody: Lower Rouge River

Outfall L43

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.062

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Long-term Control Program revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.Long-Term Control Program revisedd in reissued permit; construction of retention/treatment basin is complete & facility is "online" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December 2005 (flow has been directed to the existing RTB). It is the Department's intent to require in the reissued permit, independent control of the remaining untreated outfalls or alternatively work with GLWA or a regional plan by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	5:50:00 AM	12/21/2018	11:50:00 AM

Rain(IN) = 0.62

MI0051489

Waterbody: Middle Rouge River

Outfall M13

Partially Treated (MG)

Dilute Raw Sewage (MG)

0.147

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Long-term Control Program revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.Long-Term Control Program revisedd in reissued permit; construction of retention/treatment basin is complete & facility is "online" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December 2005 (flow has been directed to the existing RTB). It is the Department's intent to require in the reissued permit, independent control of the remaining untreated outfalls or alternatively work with GLWA or a regional plan by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	5:50:00 AM	12/21/2018	11:50:00 AM

Rain(IN) = 0.62

MI0051489

Waterbody: Middle Rouge River

Outfall M14

Partially Treated (MG)

Dilute Raw Sewage (MG)

0.124

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Long-term Control Program revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.Long-Term Control Program revisedd in reissued permit; construction of retention/treatment basin is complete & facility is "online" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December 2005 (flow has been directed to the existing RTB). It is the Department's intent to require in the reissued permit, independent control of the remaining untreated outfalls or alternatively work with GLWA or a regional plan by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	5:50:00 AM	12/21/2018	11:50:00 AM

Rain(IN) = 0.62

Waterbody: Rouge River

MI0051489

Outfall U01

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.133

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Long-term Control Program revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.Long-Term Control Program revisedd in reissued permit; construction of retention/treatment basin is complete & facility is "online" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December 2005 (flow has been directed to the existing RTB). It is the Department's intent to require in the reissued permit, independent control of the remaining untreated outfalls or alternatively work with GLWA or a regional plan by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:27:00 AM	12/31/2018	11:21:00 PM

Rain(IN) = 0.89

Waterbody: Lower Rouge River

MI0051489

Outfall L43

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.065

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Long-term Control Program revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:27:00 AM	12/31/2018	11:21:00 PM

Rain(IN) = 0.89

MI0051489

Waterbody: Middle Rouge River

Outfall M13

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.154

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Long-term Control Program revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:27:00 AM	12/31/2018	11:21:00 PM

Rain(IN) = 0.89

MI0051489

Waterbody: Middle Rouge River

Outfall M14

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.129

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Long-term Control Program revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:27:00 AM	12/31/2018	11:21:00 PM

Rain(IN) = 0.89

Waterbody: Rouge River

MI0051489

Outfall U01

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.133

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Long-term Control Program revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Totals Wayne Co/Dearborn Heights CSO

Partially Treated (MG)	Dilute Raw Sewage (MG)
	23.187

Wayne Co/Inkster CSO

Wayne Co/Inkster CSO

Submission ID
19453

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	3:07:00 PM	2/21/2018	9:43:00 AM

Rain(IN) = 2.32

Waterbody: Rouge River, Lower Branch

MI0051471

Outfall 010

Partially Treated (MG)	Dilute Raw Sewage (MG)
	16.3

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
19363

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	1:00:00 AM	2/23/2018	1:30:00 PM

Rain(IN) = 2.27

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
10	

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
19415

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/2/2018	7:03:00 AM	3/4/2018	2:00:00 AM

Rain(IN) = 1.42

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
1.8	

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
19535

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	6:40:00 AM	4/17/2018	12:30:00 PM

Rain(IN) = 2.33

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall L46

Partially Treated (MG)

Dilute Raw Sewage (MG)

12

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
19780

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	12:52:00 PM	4/16/2018	12:54:00 PM

Rain(IN) = 2.37

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 010

Partially Treated (MG)

Dilute Raw Sewage (MG)

9.93

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
19782

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	2:30:00 PM	5/16/2018	12:30:00 AM

Rain(IN) = 3.83

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall L46

Partially Treated (MG)	Dilute Raw Sewage (MG)
6.4	

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
19866

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	1:15:00 AM	8/1/2018	10:45:00 AM

Rain(IN) = 3

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall L46

Partially Treated (MG)	Dilute Raw Sewage (MG)
4.9	

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
19907

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	9:45:00 PM	8/19/2018	4:15:00 PM

Rain(IN) = 0.11

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
2.9	

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
20014

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	10:00:00 AM	9/20/2018	9:00:00 PM

Rain(IN) = 1.53

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
2.5	

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
20158

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	11:15:00 AM	9/20/2018	8:07:00 PM

Rain(IN) = 1.98

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 010

Partially Treated (MG)

Dilute Raw Sewage (MG)
3.74

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
20162

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	9:23:00 AM	9/26/2018	8:48:00 AM

Rain(IN) = 2.75

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 010

Partially Treated (MG)

Dilute Raw Sewage (MG)
5.05

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
20017

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:30:00 AM	9/26/2018	8:30:00 PM

Rain(IN) = 2.92

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall L46

Partially Treated (MG)	Dilute Raw Sewage (MG)
10.1	

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
20167

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	6:15:00 AM	10/8/2018	4:00:00 AM

Rain(IN) = 1.3

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall L46

Partially Treated (MG)	Dilute Raw Sewage (MG)
7.1	

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
20165

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	11:07:00 AM	10/6/2018	12:30:00 PM

Rain(IN) = 1.73

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 010

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.97

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
20168

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	10:04:00 PM	11/3/2018	12:00:00 AM

Rain(IN) = 2.5

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 009

Partially Treated (MG)	Dilute Raw Sewage (MG)
2.63	

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
20175

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	8:00:00 AM	11/26/2018	4:45:00 PM

Rain(IN) = 0.71

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 010

Partially Treated (MG)

Dilute Raw Sewage (MG)
0.39

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
20182

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	12:31:00 AM	12/2/2018	6:55:00 AM

Rain(IN) = 0.54

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 010

Partially Treated (MG)

Dilute Raw Sewage (MG)
2.01

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:35:00 PM	12/31/2018	10:20:00 PM

Rain(IN) = 0.87

MI0051471

Waterbody: Lower Rouge River

Outfall 010

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.93

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	11:15:00 PM	1/2/2019	3:45:00 AM

Rain(IN) = 0.88

MI0051471

Waterbody: Lower Rouge River

Outfall 002

Partially Treated (MG)	Dilute Raw Sewage (MG)
0.66	

CSO which exceeded storage capacity of RTB as result of precipitation

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Totals Wayne Co/Inkster CSO

Partially Treated (MG)	Dilute Raw Sewage (MG)
60.99	42.32

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster/Drbrn Hts CSO

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID
19452

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	12:00:00 AM	2/21/2018	2:10:00 PM

Rain(IN) = 2.26

MI0051462

Waterbody: Rouge River, Lower Branch

Outfall L41

Partially Treated (MG)

Dilute Raw Sewage (MG)
16.81

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID
19781

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	12:52:00 PM	4/15/2018	12:54:00 PM

Rain(IN) = 2.37

MI0051462

Waterbody: Rouge River, Lower Branch

Outfall L41

Partially Treated (MG)

Dilute Raw Sewage (MG)
8.07

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID 20160

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	8:05:00 AM	9/20/2018	4:35:00 PM

Rain(IN) = 1.98

MI0051462

Waterbody: Rouge River, Lower Branch

Outfall L41

Partially Treated (MG)

Dilute Raw Sewage (MG)

7.04

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID 20164

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	9:20:00 AM	9/26/2018	7:00:00 AM

Rain(IN) = 2.75

MI0051462

Waterbody: Rouge River, Lower Branch

Outfall L41

Partially Treated (MG)

Dilute Raw Sewage (MG)

7.21

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID 20166

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	11:07:00 AM	10/6/2018	12:30:00 PM

Rain(IN) = 1.73

MI0051462

Waterbody: Rouge River, Lower Branch

Outfall L41

Partially Treated (MG)

Dilute Raw Sewage (MG)

1.62

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID 20173

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	8:00:00 AM	11/26/2018	4:50:00 PM

Rain(IN) = 0.71

MI0051462

Waterbody: Rouge River, Lower Branch

Outfall L41

Partially Treated (MG)

Dilute Raw Sewage (MG)

1.22

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID 20174

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	8:00:00 AM	11/26/2018	4:50:00 PM

Rain(IN) = 0.71

MI0051462

Waterbody: Rouge River, Lower Branch

Outfall L42

Partially Treated (MG)

Dilute Raw Sewage (MG)

0.28

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID 20180

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	12:31:00 AM	12/2/2018	6:55:00 AM

Rain(IN) = 0.54

MI0051462

Waterbody: Rouge River, Lower Branch

Outfall L41

Partially Treated (MG)

Dilute Raw Sewage (MG)

3.07

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID
20181

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	12:31:00 AM	12/2/2018	6:55:00 AM

Rain(IN) = 0.54

MI0051462

Waterbody: Rouge River, Lower Branch

Outfall L42

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.23

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:27:00 PM	12/31/2018	11:21:00 PM

Rain(IN) = 0.89

MI0051462

Waterbody: Lower Rouge River

Outfall L41

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.87

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:27:00 PM	12/31/2018	11:21:00 PM

Rain(IN) = 0.89

Waterbody: Lower Rouge River

MI0051462

Outfall L42

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.1

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP revised in reissued permit; the program will address the two remaining "uncontrolled" (i.e., untreated) CSO outfalls. The Department agreed to a revised correction schedule for control of the remaining untreated outfalls based on the City of Inkster's financial demonstration. It's the Departments intent to require in the reissued permit, final CSO correction by 2025.

Totals Wayne Co/Inkster/Drbrn Hts CSO

Partially Treated (MG)	Dilute Raw Sewage (MG)
	48.52

Wayne Co/RDFrd/Livonia CSO

Wayne Co/RDFrd/Livonia CSO

Submission ID
19454

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	11:00:00 PM	2/21/2018	8:00:00 PM

Rain(IN) = 2

Waterbody: Ashcroft-Sherwood Drain

MI0051535

Outfall U02

Partially Treated (MG)	Dilute Raw Sewage (MG)
	12.19

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/RDFrd/Livonia CSO

Submission ID
19777

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:49:00 AM	4/16/2018	2:01:00 PM

Rain(IN) = 2.57

MI0051535

Waterbody: Rouge River, Bell Branch of Upper Branch

Outfall U10

Partially Treated (MG)	Dilute Raw Sewage (MG)
	11

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

Wayne Co/RDFrd/Livonia CSO

Submission ID
19783

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	3:50:00 AM	5/12/2018	8:59:00 PM

Rain(IN) = 2.71

MI0051535

Waterbody: Rouge River, Bell Branch of Upper Branch

Outfall U03

Partially Treated (MG)	Dilute Raw Sewage (MG)
	11.68

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/RDFrd/Livonia CSO

Submission ID
19785

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/14/2018	8:56:00 AM	5/14/2018	7:09:00 PM

Rain(IN) = 0.76 MI0051535

Waterbody: Rouge River, Bell Branch of Upper Branch Outfall U04

Partially Treated (MG)	Dilute Raw Sewage (MG)
	6.78

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

Wayne Co/RDFrd/Livonia CSO

Submission ID
20159

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	9:44:00 AM	9/20/2018	10:49:00 PM

Rain(IN) = 1.56 MI0051535

Waterbody: Rouge River, Bell Branch of Upper Branch Outfall U05

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.39

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/RDFrd/Livonia CSO

Submission ID
20163

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	9:13:00 AM	9/25/2018	10:40:00 PM

Rain(IN) = 1.56

MI0051535

Waterbody: Rouge River, Bell Branch of Upper Branch

Outfall U09

Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.45

Schedule of Compliance: yes

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

Wayne Co/RDFrd/Livonia CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:01:00 PM	12/31/2018	7:02:00 PM

Rain(IN) = 0.89

MI0051535

Waterbody: Ashcroft-Sherwood Drain

Outfall U02

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.001

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/RDFrd/Livonia CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:01:00 PM	12/31/2018	7:02:00 PM

Rain(IN) = 0.89

Waterbody: Bell Branch

MI0051535

Outfall U03

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.001

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

Wayne Co/RDFrd/Livonia CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:01:00 PM	12/31/2018	7:02:00 PM

Rain(IN) = 0.89

Waterbody: Bell Branch

MI0051535

Outfall U04

Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.26

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/RDFrd/Livonia CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:01:00 PM	12/31/2018	7:02:00 PM

Rain(IN) = 0.89

MI0051535

Waterbody: Bell Branch

Outfall U05

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.29

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

Wayne Co/RDFrd/Livonia CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:01:00 PM	12/31/2018	7:02:00 PM

Rain(IN) = 0.89

MI0051535

Waterbody: Tarabusi Creek

Outfall U09

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

Wayne Co/RDFrd/Livonia CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:01:00 PM	12/31/2018	7:02:00 PM

Rain(IN) = 0.89

MI0051535

Waterbody: Upper Rouge River

Outfall U10

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

Wayne Co/RDFrd/Livonia CSO

Submission ID

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:01:00 PM	12/31/2018	7:02:00 PM

Rain(IN) = 0.89

MI0051535

Waterbody: Tarabusi Creek

Outfall U11

Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.003

A significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

NPDES Permit requires elimination of all uncontrolled CSO outfalls by October 1, 2025

Totals Wayne Co/RDFrd/Livonia CSO

Partially Treated (MG)	Dilute Raw Sewage (MG)
	48.07

MG = million gallons

CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

CSO Detail Report
January 1 - December 31, 2018

County Totals	Wayne		
		Partially Treated (MG)	Dilute Raw Sewage (MG)
		13683.99	3224.39

Report Totals		
	Partially Treated (MG)	Dilute Raw Sewage (MG)
	13683.99	3581.76

MG = million gallons
CSO discharges are a result of wet weather. Dry weather CSO discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bay

Bay City WWTP

Bay City WWTP

Submission ID
19379

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:00:00 PM	2/22/2018	12:30:00 PM

Rain(IN) = 1.75
Waterbody: Saginaw River

MI0022284

Outfall 013

RTB (MG)
62.10

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

Bay City WWTP

Submission ID
19379

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:00:00 PM	2/22/2018	12:30:00 PM

Rain(IN) = 1.75
Waterbody: Saginaw River

MI0022284

Outfall 018

RTB (MG)
6.40

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bay City WWTP

Submission ID
19379

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:00:00 PM	2/22/2018	12:30:00 PM

Rain(IN) = 1.75
Waterbody: Saginaw River

MI0022284

Outfall 048

RTB (MG)
5.80

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

Bay City WWTP

Submission ID
19499

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	4:00:00 PM	4/15/2018	8:30:00 AM

Rain(IN) = 1.72
Waterbody: Saginaw River

MI0022284

Outfall 048

RTB (MG)
17.00

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bay City WWTP

Submission ID
19541

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/16/2018	3:45:00 PM	4/20/2018	6:00:00 AM

Rain(IN) = 1.14
Waterbody: Saginaw River

MI0022284

Outfall 048

RTB (MG)
49.90

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

Bay City WWTP

Submission ID
19912

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	12:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 013

RTB (MG)
1.70

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bay City WWTP

Submission ID
19912

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	12:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 014

RTB (MG)
1.10

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

Bay City WWTP

Submission ID
19912

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	12:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 018

RTB (MG)
1.20

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bay City WWTP

Submission ID
19912

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	12:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 040

RTB (MG)
0.90

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

Bay City WWTP

Submission ID
19912

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	12:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 048

RTB (MG)
63.60

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bay City WWTP

Submission ID
19860

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	8:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 013

RTB (MG)
1.70

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

Bay City WWTP

Submission ID
19860

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	8:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 014

RTB (MG)
1.10

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bay City WWTP

Submission ID
19860

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	8:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 018

RTB (MG)
1.20

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

Bay City WWTP

Submission ID
19860

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	8:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 040

RTB (MG)
0.90

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bay City WWTP

Submission ID
19860

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	8:30:00 AM	8/29/2018	7:35:00 PM

Rain(IN) = 2.74
Waterbody: Saginaw River

MI0022284

Outfall 048

RTB (MG)
63.60

Actions by EGLE: Long term control program: LTCP being implemented; currently collecting flow and rain fall data to conduct an evaluation study (Submitted) and model collection system for each of the 5 retention/treatment basins to determine whether adequate treatment is provided for the discharges; improvements to the retention/treatment basins may be required in the future pending the results of the evaluation studies. The study will evaluate basin 4 as a representative of basins 1 thru 4, and basin 5 separately. Evaluations currently under review for determination of adequate treatment.

Totals Bay City WWTP

RTB (MG)
278.20

County Totals Bay

RTB (MG)
278.20

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dickinson

Iron Mountain-Kingsford WWTP

Iron Mountain-Kingsford WWTP

Submission ID
19718

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/16/2018	11:30:00 AM	6/16/2018	2:45:00 PM

Rain(IN) = 2.35
Waterbody: Menominee River

MI0023205

Outfall 002

RTB (MG)
4.88

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

Iron Mountain-Kingsford WWTP

Submission ID
19727

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/17/2018	8:40:00 PM	6/18/2018	12:15:00 AM

Rain(IN) = 0.95
Waterbody: Menominee River

MI0023205

Outfall 002

RTB (MG)
1.78

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Iron Mountain-Kingsford WWTP

Submission ID
19959

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/5/2018	3:00:00 AM	9/5/2018	10:00:00 AM

Rain(IN) = 3.15
Waterbody: Menominee River

MI0023205

Outfall 002

RTB (MG)
13.16

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

Iron Mountain-Kingsford WWTP

Submission ID
20042

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/3/2018	6:45:00 AM	10/3/2018	11:59:00 PM

Rain(IN) = 2.49
Waterbody: Menominee River

MI0023205

Outfall 002

RTB (MG)
10.63

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Iron Mountain-Kingsford WWTP

Submission ID
20062

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/9/2018	3:53:00 AM	10/10/2018	8:00:00 PM

Rain(IN) = 3.18
Waterbody: Menominee River

MI0023205

Outfall 002

RTB (MG)
8.83

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

Totals Iron Mountain-Kingsford WWTP

RTB (MG)
39.28

County Totals Dickinson

RTB (MG)
39.28

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Houghton

North Houghton Co W&SA CSO

North Houghton Co W&SA CSO

Submission ID
19599

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/23/2018	2:00:00 PM	5/14/2018	11:00:00 AM

Waterbody: Douglas Creek

MI0043982

Outfall 002

RTB (MG)
25.13

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

North Houghton Co W&SA CSO

Submission ID
19599

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/23/2018	6:00:00 PM	5/12/2018	8:00:00 AM

Waterbody: St. Louis Creek

MI0043982

Outfall 001

RTB (MG)
23.37

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

North Houghton Co W&SA CSO

Submission ID
19709

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/17/2018	3:00:00 AM	6/19/2018	8:15:00 AM

Rain(IN) = 4.8
Waterbody: St. Louis Creek

MI0043982

Outfall 001

RTB (MG)
3.39

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

North Houghton Co W&SA CSO

Submission ID
19709

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/17/2018	2:30:00 PM	6/22/2018	7:35:00 AM

Rain(IN) = 4.8
Waterbody: Douglas Creek

MI0043982

Outfall 002

RTB (MG)
3.82

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

North Houghton Co W&SA CSO

Submission ID
19855

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/12/2018	7:00:00 AM	7/12/2018	10:00:00 AM

Rain(IN) = 2.8
Waterbody: St. Louis Creek

MI0043982

Outfall 001

RTB (MG)
0.26

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

North Houghton Co W&SA CSO

Submission ID
19855

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/12/2018	7:00:00 AM	7/13/2018	11:00:00 AM

Rain(IN) = 2.8
Waterbody: Douglas Creek

MI0043982

Outfall 002

RTB (MG)
0.31

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

North Houghton Co W&SA CSO

Submission ID
19929

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/31/2018	8:00:00 AM	8/31/2018	9:30:00 AM

Rain(IN) = 2
Waterbody: St. Louis Creek

MI0043982

Outfall 001

RTB (MG)
0.08

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

North Houghton Co W&SA CSO

Submission ID
19929

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/31/2018	8:00:00 AM	8/31/2018	9:30:00 AM

Rain(IN) = 2
Waterbody: Douglas Creek

MI0043982

Outfall 002

RTB (MG)
0.08

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

North Houghton Co W&SA CSO

Submission ID
19928

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/2/2018	3:00:00 PM	9/2/2018	4:00:00 PM

Rain(IN) = 1
Waterbody: St. Louis Creek

MI0043982

Outfall 001

RTB (MG)
0.04

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

North Houghton Co W&SA CSO

Submission ID
19928

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/2/2018	3:00:00 PM	9/2/2018	4:00:00 PM

Rain(IN) = 1
Waterbody: Douglas Creek

MI0043982

Outfall 002

RTB (MG)
0.04

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

North Houghton Co W&SA CSO

Submission ID
20064

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:00:00 AM	10/17/2018	10:00:00 PM

Rain(IN) = 8.5
Waterbody: St. Louis Creek

MI0043982

Outfall 001

RTB (MG)
9.57

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

North Houghton Co W&SA CSO

Submission ID
20064

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:00:00 AM	10/14/2018	8:00:00 PM

Rain(IN) = 8.5
Waterbody: Douglas Creek

MI0043982

Outfall 002

RTB (MG)
4.94

Actions by EGLE: Long term control program: LTCP considered complete (an existing retention/treatment basin); permittee submitted 2008 report characterizing discharges from existing retention/treatment basin based upon the type of sewer collection system (i.e., separate or combined) tributary to this CSO treatment facility adjacent to the municipal wastewater treatment plant. Facility is implementing revisions to disinfection feed system and conducting visual assessments of CSO discharges to evaluate screening effectiveness.

Totals North Houghton Co W&SA CSO

RTB (MG)
71.02

County Totals Houghton

RTB (MG)
71.02

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Ingham

East Lansing WRRF

East Lansing WRRF

Submission ID
19303

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:00:00 AM	2/23/2018	6:00:00 PM

Rain(IN) = 3.22
Waterbody: Red Cedar River

MI0022853

Outfall 015

RTB (MG)
51.94

Actions by EGLE: Long term control program: LTCP complete; controls included both sewer separation and construction of a retention treatment basin (RTB) and tunnel.

East Lansing WRRF

Submission ID
19530

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	2:50:00 PM	4/17/2018	2:45:00 AM

Rain(IN) = 1.64
Waterbody: Red Cedar River

MI0022853

Outfall 015

RTB (MG)
6.55

Actions by EGLE: Long term control program: LTCP complete; controls included both sewer separation and construction of a retention treatment basin (RTB) and tunnel.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

East Lansing WRRF

Submission ID
19965

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	12:30:00 PM	9/20/2018	2:30:00 PM

Rain(IN) = 2.01
Waterbody: Red Cedar River

MI0022853

Outfall 015

RTB (MG)
1.70

Actions by EGLE: Long term control program: LTCP complete; controls included both sewer separation and construction of a retention treatment basin (RTB) and tunnel.

Totals East Lansing WRRF

RTB (MG)
60.19

Lansing WWTP

Lansing WWTP

Submission ID
19311

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	1:56:00 PM	2/22/2018	9:04:00 AM

Rain(IN) = 3.38
Waterbody: Grand River

MI0023400

Outfall 003

RTB (MG)
35.60

Actions by EGLE: Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19298

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	1:56:00 PM	2/22/2018	9:04:00 AM

Rain(IN) = 3.38
Waterbody: Grand River

MI0023400

Outfall 003

RTB (MG)
35.60

Actions by EGLE: Long term control program: LTCP being implemented; an Administrative Consent Order (ACO) is being drafted with integrated plan requirements to correct CSO and SSO discharges. The draft ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correction will be completed under the adaptive management approach. Adaptive management will consider lessons learned during the previous phase; a recalibrated hydraulic model and Wet Weather Control Plan update in 2023; green infrastructure; and includes appropriate revisions to correction projects specified for subsequent phases.

Totals Lansing WWTP

RTB (MG)
71.20

County Totals Ingham

RTB (MG)
131.39

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Kent

Grand Rapids WRRF

Grand Rapids WRRF

Submission ID
19337

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:10:00 PM	2/22/2018	3:48:00 AM

Rain(IN) = 3.42
Waterbody: Grand River

MI0026069

Outfall 003

RTB (MG)
60.00

Actions by EGLE: Long term control program: LTCP being implemented; controls include 30 million gallon Market Ave. Retention Treatment Basin in conjunction with sewer separation construction; permit requires control of seven (7) remaining outfalls through sewer separation with various schedule dates for elimination of overflows through 2019.

Grand Rapids WRRF

Submission ID
19394

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/24/2018	2:21:00 AM	2/24/2018	4:04:00 AM

Rain(IN) = 3.42
Waterbody: Grand River

MI0026069

Outfall 003

RTB (MG)
2.00

Actions by EGLE: Long term control program: LTCP being implemented; controls include 30 million gallon Market Ave. Retention Treatment Basin in conjunction with sewer separation construction; permit requires control of seven (7) remaining outfalls through sewer separation with various schedule dates for elimination of overflows through 2019.

Totals Grand Rapids WRRF

RTB (MG)
62.00

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

County Totals	Kent
	RTB (MG)
	62.00

MG = million gallons

RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Macomb

Chapaton RTB

Chapaton RTB

Submission ID
19318

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:00:00 AM	2/21/2018	6:05:00 PM

Rain(IN) = 2.01
Waterbody: Lake St. Clair

MI0025585

Outfall 001

RTB (MG)
74.90

Actions by EGLE: Long term control program: LTCP has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. The permit required a "Total Residual Chlorine Mixing Zone/Plume Definition Study" which has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

Chapaton RTB

Submission ID
19468

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/4/2018	12:30:00 AM	4/5/2018	3:20:00 AM

Rain(IN) = 1
Waterbody: Lake St. Clair

MI0025585

Outfall 001

RTB (MG)
17.30

Actions by EGLE: Long term control program: LTCP has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. The permit required a "Total Residual Chlorine Mixing Zone/Plume Definition Study" which has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Chapaton RTB

Submission ID
19480

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	9:30:00 AM	4/16/2018	6:20:00 AM

Rain(IN) = 2.68
Waterbody: Lake St. Clair

MI0025585

Outfall 001

RTB (MG)
78.10

Actions by EGLE: Long term control program: LTCP has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. The permit required a "Total Residual Chlorine Mixing Zone/Plume Definition Study" which has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

Chapaton RTB

Submission ID
19610

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	4:35:00 AM	5/13/2018	12:45:00 PM

Rain(IN) = 2.84
Waterbody: Lake St. Clair

MI0025585

Outfall 001

RTB (MG)
100.80

Actions by EGLE: Long term control program: LTCP has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. The permit required a "Total Residual Chlorine Mixing Zone/Plume Definition Study" which has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Chapaton RTB

Submission ID
19643

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	5:15:00 AM	5/15/2018	3:55:00 PM

Rain(IN) = 0.58
Waterbody: Lake St. Clair

MI0025585

Outfall 001

RTB (MG)
8.80

Actions by EGLE: Long term control program: LTCP has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. The permit required a "Total Residual Chlorine Mixing Zone/Plume Definition Study" which has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

Chapaton RTB

Submission ID
19978

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	9:40:00 PM	9/26/2018	4:20:00 PM

Rain(IN) = 2.49
Waterbody: Lake St. Clair

MI0025585

Outfall 001

RTB (MG)
29.50

Actions by EGLE: Long term control program: LTCP has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. The permit required a "Total Residual Chlorine Mixing Zone/Plume Definition Study" which has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Chapaton RTB

Submission ID
20011

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:45:00 AM	10/1/2018	4:50:00 PM

Rain(IN) = 1.9
Waterbody: Lake St. Clair

MI0025585

Outfall 001

RTB (MG)
21.40

Actions by EGLE: Long term control program: LTCP has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. The permit required a "Total Residual Chlorine Mixing Zone/Plume Definition Study" which has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

Chapaton RTB

Submission ID
20043

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:00:00 PM	10/7/2018	3:50:00 AM

Rain(IN) = 1.87
Waterbody: Lake St. Clair

MI0025585

Outfall 001

RTB (MG)
15.40

Actions by EGLE: Long term control program: LTCP has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. The permit required a "Total Residual Chlorine Mixing Zone/Plume Definition Study" which has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Chapaton RTB

Submission ID
20097

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/2/2018	4:30:00 AM	11/2/2018	9:05:00 AM

Rain(IN) = 1.6

Waterbody: Lake St. Clair

MI0025585

Outfall 001

RTB (MG)
3.80

Actions by EGLE: Long term control program: LTCP has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. The permit required a "Total Residual Chlorine Mixing Zone/Plume Definition Study" which has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

Totals Chapaton RTB

RTB (MG)
350.00

George W Kuhn Dr Dist CSO RTB

George W Kuhn Dr Dist CSO RTB

Submission ID
19294

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:05:00 AM	2/21/2018	10:30:00 PM

Rain(IN) = 1.8

Waterbody: Red Run Drain (tributary to Clinton River)

MI0026115

Outfall 001

RTB (MG)
429.30

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

George W Kuhn Dr Dist CSO RTB

Submission ID
19460

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/4/2018	12:08:00 AM	4/4/2018	3:55:00 AM

Rain(IN) = 0.9 MI0026115

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001

RTB (MG)
8.10

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

George W Kuhn Dr Dist CSO RTB

Submission ID
19485

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	3:57:00 PM	4/16/2018	4:00:00 PM

Rain(IN) = 2.7 MI0026115

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001

RTB (MG)
377.79

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

George W Kuhn Dr Dist CSO RTB

Submission ID
19611

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	3:43:00 AM	5/13/2018	7:40:00 PM

Rain(IN) = 2.99 MI0026115

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001

RTB (MG)
533.90

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

George W Kuhn Dr Dist CSO RTB

Submission ID
19847

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	2:32:00 AM	8/1/2018	7:15:00 AM

Rain(IN) = 1.1 MI0026115

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001

RTB (MG)
80.70

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

George W Kuhn Dr Dist CSO RTB

Submission ID
19985

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:40:00 PM	9/26/2018	1:07:00 AM

Rain(IN) = 0.93 MI0026115

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001

RTB (MG)
20.32

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

George W Kuhn Dr Dist CSO RTB

Submission ID
20001

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	10:37:00 AM	10/1/2018	5:22:00 PM

Rain(IN) = 1.89 MI0026115

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001

RTB (MG)
162.33

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

George W Kuhn Dr Dist CSO RTB

Submission ID
20045

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	11:08:00 PM	10/7/2018	1:49:00 AM

Rain(IN) = 1.26 MI0026115

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001

RTB (MG)
13.95

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

George W Kuhn Dr Dist CSO RTB

Submission ID
20095

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/2/2018	4:02:00 AM	11/2/2018	8:05:00 AM

Rain(IN) = 1.06 MI0026115

Waterbody: Red Run Drain (tributary to Clinton River) Outfall 001

RTB (MG)
13.65

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

George W Kuhn Dr Dist CSO RTB

Submission ID
HNK-6N9S-R3GSN

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	7:40:00 PM	1/1/2019	1:35:00 AM

Rain(IN) = 1.02
Waterbody: Red Run Drain

MI0026115

Outfall 001

RTB (MG)
27.99

Actions by EGLE: Long term control program: LTCP has been completed; permit & program required construction project to upgrade the George W. Kuhn (formerly "12 Towns") Retention Treatment Facility to assure facility provides adequate treatment of discharges; upgrades included capacity/volume increase and disinfection improvements; construction of facility upgrades was completed on Dec. 22, 2005; presumptive basin; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program.

Totals George W Kuhn Dr Dist CSO RTB

RTB (MG)
1668.03

Martin RTB

Martin RTB

Submission ID
20013

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	12:05:00 PM	10/1/2018	9:27:00 PM

Rain(IN) = 1.77
Waterbody: Lake St. Clair

MI0025453

Outfall 001

RTB (MG)
27.30

Actions by EGLE: Long-term Control Program has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. Now considered a discharge from a separate sanitary sewer system subject to Federal Secondary Treatment Requirements.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Martin RTB

Submission ID
20044

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:25:00 PM	10/7/2018	7:24:00 AM

Rain(IN) = 1.81
Waterbody: Lake St. Clair

MI0025453

Outfall 001

RTB (MG)
48.90

Actions by EGLE: Long-term Control Program has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. Now considered a discharge from a separate sanitary sewer system subject to Federal Secondary Treatment Requirements.

Martin RTB

Submission ID
20096

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	10:20:00 PM	11/2/2018	1:43:00 PM

Rain(IN) = 1.37
Waterbody: Lake St. Clair

MI0025453

Outfall 001

RTB (MG)
31.20

Actions by EGLE: Long-term Control Program has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. Now considered a discharge from a separate sanitary sewer system subject to Federal Secondary Treatment Requirements.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Martin RTB

Submission ID
HNK-FMAP-WWHW9

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	7:50:00 PM	1/1/2019	8:50:00 AM

Rain(IN) = 0.91

Waterbody: Lake Saint Clair

MI0025453

Outfall 001

RTB (MG)
33.00

Actions by EGLE: Long-term Control Program has been completed; program & permit required 3-phase sewer construction project designed to reduce wet-weather flow quantities directed to the retention/treatment basin (RTB); permit also required submittal of RTB Evaluation Study to determine whether adequate treatment is provided to meet Water Quality Standards (the results of the study were ultimately approved on Jan. 31, 2007); the actual construction phase of the current project is complete; there are no "uncontrolled" (i.e., untreated) CSO outfalls associated with this permittee/program. Now considered a discharge from a separate sanitary sewer system subject to Federal Secondary Treatment Requirements.

Totals Martin RTB

RTB (MG)
140.40

County Totals Macomb

RTB (MG)
2158.43

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Oakland

Birmingham CSO RTB

Birmingham CSO RTB

Submission ID
19297

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:22:00 AM	2/22/2018	6:15:00 AM

Rain(IN) = 2.19
Waterbody: Rouge River

MI0025534

Outfall 101

RTB (MG)
22.37

Actions by EGLE: Long-term Control Program complete; Permittee has successfully demonstrated that the Birmingham CSO RTB effectively provides adequate treatment of combined sewage discharges and complies with Water Quality Standards at times of discharge (i.e., meets in-stream dissolved oxygen standard, eliminates raw sewage, protects public health, satisfies the biosurvey requirement, and satisfies the TRC requirement without the need for dechlorination equipment). The goal of the approved TRC Minimization Program is operation of the CSO RTB in a manner which will provide consistent, effective disinfection while minimizing the discharge of TRC.

Birmingham CSO RTB

Submission ID
19489

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	1:00:00 PM	4/16/2018	9:05:00 PM

Rain(IN) = 2.4
Waterbody: Rouge River

MI0025534

Outfall 101

RTB (MG)
13.43

Actions by EGLE: Long-term Control Program complete; Permittee has successfully demonstrated that the Birmingham CSO RTB effectively provides adequate treatment of combined sewage discharges and complies with Water Quality Standards at times of discharge (i.e., meets in-stream dissolved oxygen standard, eliminates raw sewage, protects public health, satisfies the biosurvey requirement, and satisfies the TRC requirement without the need for dechlorination equipment). The goal of the approved TRC Minimization Program is operation of the CSO RTB in a manner which will provide consistent, effective disinfection while minimizing the discharge of TRC.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Birmingham CSO RTB

Submission ID
19616

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	10:34:00 AM	5/15/2018	2:15:00 AM

Rain(IN) = 2.19
Waterbody: Rouge River

MI0025534

Outfall 101

RTB (MG)
21.55

Actions by EGLE: Long-term Control Program complete; Permittee has successfully demonstrated that the Birmingham CSO RTB effectively provides adequate treatment of combined sewage discharges and complies with Water Quality Standards at times of discharge (i.e., meets in-stream dissolved oxygen standard, eliminates raw sewage, protects public health, satisfies the biosurvey requirement, and satisfies the TRC requirement without the need for dechlorination equipment). The goal of the approved TRC Minimization Program is operation of the CSO RTB in a manner which will provide consistent, effective disinfection while minimizing the discharge of TRC.

Totals Birmingham CSO RTB

RTB (MG)
57.35

Bloomfield Village CSO RTB

Bloomfield Village CSO RTB

Submission ID
19296

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:00:00 AM	2/22/2018	2:35:00 AM

Rain(IN) = 2.19
Waterbody: Rouge River via Luz & Nichols

MI0048046

Outfall 103

RTB (MG)
35.58

Actions by EGLE: Long term control program: LTCP complete; retention/treatment basin (RTB) construction complete and facility is "on-line"; no remaining untreated overflow outfalls; RTB has been shown to provide treatment that meets criteria for elimination of raw sewage & protection of public health, protection of dissolved oxygen standard, protection of physical characteristic standard, and no significant impact on downstream biological communities. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bloomfield Village CSO RTB

Submission ID
19487

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	3:40:00 PM	4/17/2018	8:50:00 AM

Rain(IN) = 2.4

MI0048046

Waterbody: Rouge River via Luz & Nichols

Outfall 103

RTB (MG)
18.62

Actions by EGLE: Long term control program: LTCP complete; retention/treatment basin (RTB) construction complete and facility is "on-line"; no remaining untreated overflow outfalls; RTB has been shown to provide treatment that meets criteria for elimination of raw sewage & protection of public health, protection of dissolved oxygen standard, protection of physical characteristic standard, and no significant impact on downstream biological communities. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

Bloomfield Village CSO RTB

Submission ID
19614

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	10:35:00 AM	5/14/2018	1:45:00 AM

Rain(IN) = 2.19

MI0048046

Waterbody: Rouge River via Luz & Nichols

Outfall 103

RTB (MG)
18.55

Actions by EGLE: Long term control program: LTCP complete; retention/treatment basin (RTB) construction complete and facility is "on-line"; no remaining untreated overflow outfalls; RTB has been shown to provide treatment that meets criteria for elimination of raw sewage & protection of public health, protection of dissolved oxygen standard, protection of physical characteristic standard, and no significant impact on downstream biological communities. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Bloomfield Village CSO RTB

Submission ID
20004

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:30:00 AM	10/1/2018	6:08:00 PM

Rain(IN) = 1.89

Waterbody: Rouge River via Luz & Nichols

MI0048046

Outfall 103

RTB (MG)
3.30

Actions by EGLE: Long term control program: LTCP complete; retention/treatment basin (RTB) construction complete and facility is "on-line"; no remaining untreated overflow outfalls; RTB has been shown to provide treatment that meets criteria for elimination of raw sewage & protection of public health, protection of dissolved oxygen standard, protection of physical characteristic standard, and no significant impact on downstream biological communities. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

Totals Bloomfield Village CSO RTB

RTB (MG)
76.05

Oakland Co-Acacia Park CSO RTB

Oakland Co-Acacia Park CSO RTB

Submission ID
19295

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:20:00 AM	2/21/2018	6:20:00 PM

Rain(IN) = 2.19

Waterbody: Rouge River

MI0037427

Outfall 103

RTB (MG)
24.43

Actions by EGLE: Long term control program: LTCP complete; Permittee has successfully demonstrated that the Acacia Park CSO RTB effectively provides adequate treatment of combined sewage discharges and complies with Water Quality Standards at times of discharge (i.e., meets in-stream dissolved oxygen standard, eliminates raw sewage, protects public health, satisfies the biosurvey requirement, and satisfies the TRC requirement without the need for dechlorination equipment). The goal of the approved TRC Minimization Program is operation of the CSO RTB in a manner which will provide consistent, effective disinfection while minimizing the discharge of TRC.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Oakland Co-Acacia Park CSO RTB

Submission ID
19488

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	12:30:00 PM	4/16/2018	6:45:00 PM

Rain(IN) = 2.4
Waterbody: Rouge River

MI0037427

Outfall 103

RTB (MG)
16.59

Actions by EGLE: Long term control program: LTCP complete; Permittee has successfully demonstrated that the Acacia Park CSO RTB effectively provides adequate treatment of combined sewage discharges and complies with Water Quality Standards at times of discharge (i.e., meets in-stream dissolved oxygen standard, eliminates raw sewage, protects public health, satisfies the biosurvey requirement, and satisfies the TRC requirement without the need for dechlorination equipment). The goal of the approved TRC Minimization Program is operation of the CSO RTB in a manner which will provide consistent, effective disinfection while minimizing the discharge of TRC.

Oakland Co-Acacia Park CSO RTB

Submission ID
19617

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	3:45:00 AM	5/13/2018	7:10:00 PM

Rain(IN) = 2.19
Waterbody: Rouge River

MI0037427

Outfall 103

RTB (MG)
23.20

Actions by EGLE: Long term control program: LTCP complete; Permittee has successfully demonstrated that the Acacia Park CSO RTB effectively provides adequate treatment of combined sewage discharges and complies with Water Quality Standards at times of discharge (i.e., meets in-stream dissolved oxygen standard, eliminates raw sewage, protects public health, satisfies the biosurvey requirement, and satisfies the TRC requirement without the need for dechlorination equipment). The goal of the approved TRC Minimization Program is operation of the CSO RTB in a manner which will provide consistent, effective disinfection while minimizing the discharge of TRC.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Oakland Co-Acacia Park CSO RTB

Submission ID
19853

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	3:35:00 AM	8/1/2018	6:00:00 AM

Rain(IN) = 1.95
Waterbody: Rouge River

MI0037427

Outfall 103

RTB (MG)
0.71

Actions by EGLE: Long term control program: LTCP complete; Permittee has successfully demonstrated that the Acacia Park CSO RTB effectively provides adequate treatment of combined sewage discharges and complies with Water Quality Standards at times of discharge (i.e., meets in-stream dissolved oxygen standard, eliminates raw sewage, protects public health, satisfies the biosurvey requirement, and satisfies the TRC requirement without the need for dechlorination equipment). The goal of the approved TRC Minimization Program is operation of the CSO RTB in a manner which will provide consistent, effective disinfection while minimizing the discharge of TRC.

Oakland Co-Acacia Park CSO RTB

Submission ID
20003

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	11:12:00 AM	10/1/2018	3:40:00 PM

Rain(IN) = 1.89
Waterbody: Rouge River

MI0037427

Outfall 103

RTB (MG)
3.11

Actions by EGLE: Long term control program: LTCP complete; Permittee has successfully demonstrated that the Acacia Park CSO RTB effectively provides adequate treatment of combined sewage discharges and complies with Water Quality Standards at times of discharge (i.e., meets in-stream dissolved oxygen standard, eliminates raw sewage, protects public health, satisfies the biosurvey requirement, and satisfies the TRC requirement without the need for dechlorination equipment). The goal of the approved TRC Minimization Program is operation of the CSO RTB in a manner which will provide consistent, effective disinfection while minimizing the discharge of TRC.

Totals Oakland Co-Acacia Park CSO RTB

RTB (MG)
68.04

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

County Totals	Oakland
	RTB (MG)
	201.44

MG = million gallons

RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw

Saginaw Twp WWTP

Saginaw Twp WWTP

Submission ID
19252

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	1:00:00 AM	1/24/2018	8:00:00 AM

Rain(IN) = 0.72
Waterbody: Tittabawassee River

MI0023973

Outfall 003

RTB (MG)
6.97

Actions by EGLE: Long term control program: LTCP complete; existing retention/treatment basin provides adequate treatment to meet Water Quality Standards at times of discharge.

Saginaw Twp WWTP

Submission ID
19380

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:00:00 AM	2/26/2018	11:00:00 AM

Rain(IN) = 1.67
Waterbody: Tittabawassee River

MI0023973

Outfall 003

RTB (MG)
69.07

Actions by EGLE: Long term control program: LTCP complete; existing retention/treatment basin provides adequate treatment to meet Water Quality Standards at times of discharge.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw Twp WWTP

Submission ID
19501

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:00:00 PM	4/20/2018	11:30:00 PM

Waterbody: Tittabawassee River

MI0023973

Outfall 003

RTB (MG)
72.45

Actions by EGLE: Long term control program: LTCP complete; existing retention/treatment basin provides adequate treatment to meet Water Quality Standards at times of discharge.

Saginaw Twp WWTP

Submission ID
19862

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	11:30:00 AM	6/28/2018	3:00:00 PM

Rain(IN) = 3.16

Waterbody: Tittabawassee River

MI0023973

Outfall 003

RTB (MG)
5.69

Actions by EGLE: Long term control program: LTCP complete; existing retention/treatment basin provides adequate treatment to meet Water Quality Standards at times of discharge.

Saginaw Twp WWTP

Submission ID
19913

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	9:00:00 AM	8/30/2018	7:30:00 AM

Rain(IN) = 3.13

Waterbody: Tittabawassee River

MI0023973

Outfall 003

RTB (MG)
12.94

Actions by EGLE: Long term control program: LTCP complete; existing retention/treatment basin provides adequate treatment to meet Water Quality Standards at times of discharge.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Totals **Saginaw Twp WWTP**

RTB (MG)
167.12

Saginaw WWTP

Saginaw WWTP

Submission ID
19253

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	4:01:00 PM	1/22/2018	7:28:00 PM

Rain(IN) = 0.59
Waterbody: Saginaw River

MI0025577

Outfall 003R

RTB (MG)
11.08

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19338

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:23:00 AM	2/22/2018	4:02:00 PM

Rain(IN) = 1.85
Waterbody: Saginaw River

MI0025577

Outfall 004R

RTB (MG)
23.39

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19338

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:16:00 AM	2/21/2018	12:53:00 PM

Rain(IN) = 1.85
Waterbody: Saginaw River

MI0025577

Outfall 007R

RTB (MG)
13.77

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19338

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:36:00 AM	2/22/2018	2:11:00 AM

Rain(IN) = 1.85
Waterbody: Saginaw River

MI0025577

Outfall 003R

RTB (MG)
106.87

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19338

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:20:00 PM	2/21/2018	12:39:00 PM

Rain(IN) = 1.85
Waterbody: Saginaw River

MI0025577

Outfall 037R

RTB (MG)
16.76

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19338

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:24:00 PM	2/21/2018	9:47:00 AM

Rain(IN) = 1.85
Waterbody: Saginaw River

MI0025577

Outfall 005R

RTB (MG)
2.33

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19338

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:17:00 PM	2/21/2018	10:53:00 AM

Rain(IN) = 1.85
Waterbody: Saginaw River

MI0025577

Outfall 006R

RTB (MG)
5.81

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19500

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	2:28:00 PM	4/18/2018	3:12:00 AM

Rain(IN) = 2.83
Waterbody: Saginaw River

MI0025577

Outfall 003R

RTB (MG)
88.40

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19500

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	2:29:00 PM	4/16/2018	9:04:00 PM

Rain(IN) = 2.83
Waterbody: Saginaw River

MI0025577

Outfall 037R

RTB (MG)
0.43

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19500

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/16/2018	3:55:00 PM	4/16/2018	7:38:00 PM

Rain(IN) = 2.83
Waterbody: Saginaw River

MI0025577

Outfall 007R

RTB (MG)
1.69

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19861

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/3/2018	2:14:00 AM	8/3/2018	2:21:00 AM

Rain(IN) = 0.79
Waterbody: Saginaw River

MI0025577

Outfall 003R

RTB (MG)
0.05

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19898

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	2:06:00 AM	8/27/2018	1:38:00 PM

Rain(IN) = 2.07
Waterbody: Saginaw River

MI0025577

Outfall 007R

RTB (MG)
8.59

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19898

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	2:24:00 AM	8/27/2018	3:44:00 PM

Rain(IN) = 2.07
Waterbody: Saginaw River

MI0025577

Outfall 003R

RTB (MG)
34.93

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19898

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	3:15:00 AM	8/27/2018	12:24:00 PM

Rain(IN) = 2.07
Waterbody: Saginaw River

MI0025577

Outfall 004R

RTB (MG)
7.02

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19898

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	9:26:00 AM	8/27/2018	11:07:00 AM

Rain(IN) = 2.07
Waterbody: Saginaw River

MI0025577

Outfall 037R

RTB (MG)
0.06

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19918

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	9:11:00 PM	8/29/2018	3:28:00 AM

Rain(IN) = 1.49
Waterbody: Saginaw River

MI0025577

Outfall 011R

RTB (MG)
1.49

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19918

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	9:57:00 PM	8/29/2018	9:27:00 AM

Rain(IN) = 1.49
Waterbody: Saginaw River

MI0025577

Outfall 003R

RTB (MG)
20.38

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19918

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:11:00 PM	8/29/2018	5:29:00 AM

Rain(IN) = 1.49
Waterbody: Saginaw River

MI0025577

Outfall 004R

RTB (MG)
9.33

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19918

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:23:00 PM	8/29/2018	6:15:00 AM

Rain(IN) = 1.49
Waterbody: Saginaw River

MI0025577

Outfall 037R

RTB (MG)
4.00

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
19918

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:26:00 PM	8/29/2018	6:35:00 AM

Rain(IN) = 1.49
Waterbody: Saginaw River

MI0025577

Outfall 007R

RTB (MG)
10.33

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Saginaw WWTP

Submission ID
19918

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/29/2018	2:15:00 AM	8/29/2018	4:54:00 AM

Rain(IN) = 1.49
Waterbody: Saginaw River

MI0025577

Outfall 006R

RTB (MG)
1.27

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Saginaw WWTP

Submission ID
HNK-FKEZ-7GQZN

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	10:30:00 PM	1/1/2019	4:22:00 AM

Rain(IN) = 1.15
Waterbody: Saginaw River

MI0025577

Outfall R03

RTB (MG)
12.14

Actions by EGLE: Long term control program: The permittee has implemented a Long-term Control Program to provide for treatment of all combined sewage discharges from the City of Saginaw's Retention Treatment Basins (RTB's). The data provided by the City indicated that two of the 7 RTB's (Weiss Street and 14th Street RTBs) are sized to meet the State's presumptive definition, and thus provide adequate treatment to meet water quality standards at times of discharge. The City has provided enough data to indicate that the other five RTB's facilities located provide adequate treatment of combined sewage discharges and comply with Water Quality Standards at times of discharge for the following criteria; meets in-stream dissolved oxygen standard, protects public health. The City will be conducting a study to determine if all seven RTBs can effectively eliminate identifiable sanitary trash across the range of events monitored and meet the physical characteristics rule (Rule 50 of Michigan's Part 4 WQS). This is the last criteria needed to be demonstrated to ensure that the seven RTBs provide adequate treatment.

Totals Saginaw WWTP

RTB (MG)
380.12

County Totals Saginaw

RTB (MG)
547.24

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Wayne

Dearborn CSO

Dearborn CSO

Submission ID
19307

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	2:55:00 AM	2/21/2018	1:20:00 PM

Rain(IN) = 2.74

Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
76.98

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
19307

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	11:00:00 AM	2/21/2018	11:35:00 AM

Rain(IN) = 2.74

Waterbody: Rouge River, Lower Branch

MI0025542

Outfall 108

RTB (MG)
28.97

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19307

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	2:30:00 PM	2/21/2018	2:35:00 PM

Rain(IN) = 2.74

Waterbody: Rouge River, Lower Branch

MI0025542

Outfall 106

RTB (MG)
5.91

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
19494

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:15:00 AM	4/16/2018	2:28:00 AM

Rain(IN) = 2.46

Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
61.48

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19494

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	6:45:00 PM	4/16/2018	7:05:00 AM

Rain(IN) = 2.46

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 106

RTB (MG)
2.61

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
19494

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	7:20:00 PM	4/16/2018	1:25:00 AM

Rain(IN) = 2.46

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 108

RTB (MG)
8.63

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19618

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	4:10:00 AM	5/13/2018	11:30:00 AM

Rain(IN) = 1.98
Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
29.10

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
19758

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	11:33:00 AM	6/24/2018	1:31:00 AM

Rain(IN) = 3.13
Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
61.17

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19854

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:55:00 AM	8/1/2018	5:20:00 AM

Rain(IN) = 1.77
Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
29.74

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
19854

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	1:10:00 AM	8/1/2018	6:50:00 AM

Rain(IN) = 1.77
Waterbody: Rouge River, Lower Branch

MI0025542

Outfall 106

RTB (MG)
8.07

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19854

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	1:25:00 AM	8/1/2018	6:45:00 AM

Rain(IN) = 1.77

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 108

RTB (MG)
7.23

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
19878

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	9:00:00 PM	8/7/2018	2:55:00 AM

Rain(IN) = 1.31

MI0025542

Waterbody: Rouge River

Outfall 117

RTB (MG)
8.62

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19961

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	8:30:00 AM	9/20/2018	8:30:00 AM

Rain(IN) = 2.87
Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
65.68

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
19961

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	9:47:00 AM	9/20/2018	2:10:00 PM

Rain(IN) = 2.87
Waterbody: Rouge River, Lower Branch

MI0025542

Outfall 108

RTB (MG)
4.14

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19961

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	10:30:00 AM	9/20/2018	3:00:00 PM

Rain(IN) = 2.87

Waterbody: Rouge River, Lower Branch

MI0025542

Outfall 106

RTB (MG)
2.21

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
20002

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	9:50:00 AM	9/26/2018	3:15:00 AM

Rain(IN) = 3.58

Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
90.14

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20002

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:45:00 PM	9/26/2018	5:00:00 AM

Rain(IN) = 3.58

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 106

RTB (MG)
3.58

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
20002

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:54:00 PM	9/26/2018	2:50:00 AM

Rain(IN) = 3.58

MI0025542

Waterbody: Rouge River, Lower Branch

Outfall 108

RTB (MG)
6.28

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20092

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	4:18:00 AM	10/7/2018	2:00:00 PM

Rain(IN) = 1.79
Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
70.77

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
20092

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:25:00 PM	10/7/2018	3:25:00 AM

Rain(IN) = 1.79
Waterbody: Rouge River, Lower Branch

MI0025542

Outfall 106

RTB (MG)
3.16

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20092

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	6:25:00 PM	10/6/2018	11:40:00 PM

Rain(IN) = 1.79

Waterbody: Rouge River, Lower Branch

MI0025542

Outfall 108

RTB (MG)
1.85

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

Dearborn CSO

Submission ID
20103

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	6:50:00 PM	11/2/2018	8:10:00 AM

Rain(IN) = 1.49

Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
26.17

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
HNK-FERG-EGRD7

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:40:00 PM	1/1/2019	12:45:00 AM

Rain(IN) = 0.94
Waterbody: Rouge River

MI0025542

Outfall 117

RTB (MG)
8.88

Actions by EGLE: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

The NPDES Permit requires elimination of all overflow outfalls by December 31, 2025

Totals Dearborn CSO

RTB (MG)
611.37

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

GLWA WRRF

Submission ID
19239

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/11/2018	7:13:00 AM	1/13/2018	9:02:00 AM

Rain(IN) = 1.9

MI0022802

Waterbody: Detroit River

Outfall 049

RTB (MG)
263.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19239

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/12/2018	9:00:00 AM	1/12/2018	5:45:00 PM

Rain(IN) = 1.9

MI0022802

Waterbody: Rouge River

Outfall 107

RTB (MG)
3.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19248

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	10:31:00 AM	1/23/2018	9:22:00 AM

Rain(IN) = 0.52
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
130.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19248

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	11:30:00 AM	1/22/2018	8:50:00 PM

Rain(IN) = 0.52
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
10.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19287

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	10:53:00 AM	2/17/2018	9:29:00 AM

Rain(IN) = 0.08
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
357.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19287

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	2:00:00 PM	2/16/2018	12:30:00 AM

Rain(IN) = 0.08
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
33.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19287

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	5:45:00 PM	2/16/2018	10:25:00 PM

Rain(IN) = 0.08

MI0022802

Waterbody: Conner Creek (tributary to Detroit River)

Outfall 104

RTB (MG)
90.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19287

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	7:30:00 PM	2/16/2018	4:00:00 AM

Rain(IN) = 0.08

MI0022802

Waterbody: Rouge River

Outfall 101

RTB (MG)
25.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19291

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	3:07:00 PM	2/28/2018	11:22:00 AM

Rain(IN) = 2.57
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
1152.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19291

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	7:30:00 PM	2/23/2018	2:00:00 AM

Rain(IN) = 2.57
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
1784.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19291

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:00:00 PM	2/24/2018	6:45:00 PM

Rain(IN) = 2.57 MI0022802

Waterbody: Conner Creek (tributary to Detroit River) Outfall 104

RTB (MG)
1057.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19291

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	8:00:00 PM	2/21/2018	9:00:00 AM

Rain(IN) = 2.57 MI0022802

Waterbody: Detroit River Outfall 108

RTB (MG)
4.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19291

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	9:30:00 PM	2/24/2018	2:40:00 PM

Rain(IN) = 2.57
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
332.70

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19291

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	1:45:00 AM	2/24/2018	4:15:00 PM

Rain(IN) = 2.57
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
75.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19291

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:20:00 AM	2/20/2018	6:45:00 PM

Rain(IN) = 2.57
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
9.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19291

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:30:00 AM	2/20/2018	7:45:00 PM

Rain(IN) = 2.57
Waterbody: Detroit River

MI0022802

Outfall 105

RTB (MG)
8.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19407

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	12:43:00 PM	3/5/2018	12:39:00 PM

Rain(IN) = 1.42
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
401.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19407

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	4:30:00 PM	3/3/2018	4:15:00 AM

Rain(IN) = 1.42
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
128.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19407

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	9:30:00 PM	3/4/2018	1:47:00 AM

Rain(IN) = 1.42
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
40.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19407

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	10:00:00 PM	3/5/2018	6:35:00 AM

Rain(IN) = 1.42
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
35.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19417

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/7/2018	9:32:00 AM	3/8/2018	7:27:00 AM

Rain(IN) = 0.01
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
140.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19447

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	6:30:00 PM	3/30/2018	11:24:00 AM

Rain(IN) = 0.64
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
71.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19457

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	7:00:00 PM	4/6/2018	9:34:00 PM

Rain(IN) = 1.01
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
389.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19457

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	10:50:00 PM	4/4/2018	6:25:00 AM

Rain(IN) = 1.01
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
45.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19457

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	11:50:00 PM	4/4/2018	3:35:00 PM

Rain(IN) = 1.01 MI0022802

Waterbody: Conner Creek (tributary to Detroit River) Outfall 104

RTB (MG)
106.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19457

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/4/2018	12:15:00 AM	4/5/2018	10:47:00 AM

Rain(IN) = 1.01 MI0022802

Waterbody: Rouge River Outfall 107

RTB (MG)
31.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19457

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/4/2018	11:45:00 AM	4/6/2018	5:00:00 PM

Rain(IN) = 1.01
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
2.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19481

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	8:21:00 AM	4/20/2018	5:32:00 AM

Rain(IN) = 2.34
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
845.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19481

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	10:00:00 AM	4/18/2018	7:30:00 AM

Rain(IN) = 2.34
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
601.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19481

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	10:10:00 AM	4/17/2018	9:40:00 AM

Rain(IN) = 2.34
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
40.70

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19481

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	12:30:00 PM	4/16/2018	6:20:00 PM

Rain(IN) = 2.34 MI0022802

Waterbody: Conner Creek (tributary to Detroit River) Outfall 104

RTB (MG)
1046.70

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19481

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	1:50:00 PM	4/17/2018	11:10:00 AM

Rain(IN) = 2.34 MI0022802

Waterbody: Rouge River Outfall 101

RTB (MG)
624.90

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19481

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	10:55:00 AM	4/18/2018	7:20:00 AM

Rain(IN) = 2.34
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
15.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19481

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	2:00:00 PM	4/16/2018	12:30:00 AM

Rain(IN) = 2.34
Waterbody: Detroit River

MI0022802

Outfall 105

RTB (MG)
58.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19481

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	2:00:00 PM	4/15/2018	6:00:00 PM

Rain(IN) = 2.34
Waterbody: Detroit River

MI0022802

Outfall 108

RTB (MG)
2.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19589

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	12:01:00 AM	5/6/2018	2:02:00 AM

Rain(IN) = 1.19
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
471.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19589

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/4/2018	12:15:00 AM	5/4/2018	10:50:00 PM

Rain(IN) = 1.19 MI0022802

Waterbody: Conner Creek (tributary to Detroit River) Outfall 104

RTB (MG)
55.90

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19589

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/4/2018	1:00:00 PM	5/4/2018	5:15:00 PM

Rain(IN) = 1.19 MI0022802

Waterbody: Rouge River Outfall 107

RTB (MG)
0.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19589

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/4/2018	1:10:00 PM	5/4/2018	5:20:00 PM

Rain(IN) = 1.19
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
1.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19622

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	7:48:00 PM	5/17/2018	10:04:00 PM

Rain(IN) = 3.83
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
762.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19622

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	2:50:00 AM	5/15/2018	6:45:00 AM

Rain(IN) = 3.83

MI0022802

Waterbody: Detroit River

Outfall 106

RTB (MG)
22.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19622

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	3:40:00 AM	5/16/2018	7:05:00 PM

Rain(IN) = 3.83

MI0022802

Waterbody: Conner Creek (tributary to Detroit River)

Outfall 104

RTB (MG)
1480.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19622

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	4:00:00 AM	5/15/2018	7:30:00 PM

Rain(IN) = 3.83
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
1703.90

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19622

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	4:00:00 AM	5/16/2018	9:00:00 AM

Rain(IN) = 3.83
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
565.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19622

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	5:15:00 AM	5/12/2018	4:38:00 PM

Rain(IN) = 3.83
Waterbody: Detroit River

MI0022802

Outfall 105

RTB (MG)
48.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19622

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	1:00:00 PM	5/15/2018	11:15:00 PM

Rain(IN) = 3.83
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
14.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19622

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	6:15:00 AM	5/13/2018	6:35:00 AM

Rain(IN) = 3.83
Waterbody: Detroit River

MI0022802

Outfall 108

RTB (MG)
0.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19651

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	3:32:00 PM	5/22/2018	7:16:00 PM

Rain(IN) = 0.55
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
238.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19651

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	4:30:00 PM	5/20/2018	8:15:00 AM

Rain(IN) = 0.55
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
51.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19651

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	7:00:00 PM	5/20/2018	1:00:00 PM

Rain(IN) = 0.55
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
8.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19651

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	10:00:00 PM	5/20/2018	2:40:00 AM

Rain(IN) = 0.55
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
1.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19693

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	10:30:00 AM	6/4/2018	5:30:00 AM

Rain(IN) = 0.11
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
90.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19693

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	11:30:00 AM	6/3/2018	12:00:00 PM

Rain(IN) = 0.11
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
0.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19693

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	5:00:00 PM	6/3/2018	9:30:00 PM

Rain(IN) = 0.11
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
13.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19719

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	11:20:00 PM	6/19/2018	8:45:00 AM

Rain(IN) = 1.39
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
44.90

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19738

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	2:51:00 PM	6/24/2018	5:25:00 AM

Rain(IN) = 1.16
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
56.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19738

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	8:35:00 PM	6/23/2018	9:30:00 PM

Rain(IN) = 1.16
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
2.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19738

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	8:45:00 PM	6/23/2018	11:59:00 PM

Rain(IN) = 1.16
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
21.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19738

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	10:45:00 PM	6/24/2018	4:45:00 AM

Rain(IN) = 1.16
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
3.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19839

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	2:10:00 PM	6/28/2018	8:57:00 AM

Rain(IN) = 0.1
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
57.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19808

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/15/2018	9:46:00 PM	7/16/2018	5:27:00 AM

Rain(IN) = 0.36
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
25.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19849

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/31/2018	11:25:00 PM	8/2/2018	8:59:00 AM

Rain(IN) = 3
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
106.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19849

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	1:40:00 AM	8/1/2018	6:45:00 AM

Rain(IN) = 3
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
2.70

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19849

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	2:30:00 AM	8/1/2018	11:00:00 AM

Rain(IN) = 3
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
105.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19849

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	2:30:00 AM	8/1/2018	8:00:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Rouge River

Outfall 107

RTB (MG)
22.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19849

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	3:00:00 AM	8/1/2018	8:00:00 AM

Rain(IN) = 3

MI0022802

Waterbody: Conner Creek (tributary to Detroit River)

Outfall 104

RTB (MG)
143.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19849

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	4:00:00 AM	8/1/2018	9:30:00 PM

Rain(IN) = 3
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
7.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19867

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	8:08:00 PM	8/7/2018	8:12:00 AM

Rain(IN) = 0.31
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
64.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19867

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/6/2018	9:20:00 PM	8/7/2018	5:50:00 AM

Rain(IN) = 0.31
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
3.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19876

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/9/2018	6:55:00 PM	8/10/2018	1:17:00 AM

Rain(IN) = 0.01
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
47.90

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19925

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	5:55:00 PM	9/2/2018	10:36:00 AM

Rain(IN) = 0.73
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
193.90

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19925

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	10:15:00 PM	9/2/2018	2:30:00 AM

Rain(IN) = 0.73
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
27.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19936

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/3/2018	2:48:00 PM	9/4/2018	11:29:00 AM

Rain(IN) = 0.81
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
164.70

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19970

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:57:00 AM	9/21/2018	8:15:00 AM

Rain(IN) = 1.53
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
170.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19970

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	9:10:00 AM	9/20/2018	2:30:00 PM

Rain(IN) = 1.53
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
5.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19970

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	9:45:00 AM	9/20/2018	11:30:00 AM

Rain(IN) = 1.53
Waterbody: Detroit River

MI0022802

Outfall 108

RTB (MG)
0.70

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19970

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	10:00:00 AM	9/20/2018	9:00:00 PM

Rain(IN) = 1.53
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
27.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19970

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	10:30:00 AM	9/20/2018	6:00:00 PM

Rain(IN) = 1.53
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
114.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19970

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	10:30:00 AM	9/21/2018	5:50:00 AM

Rain(IN) = 1.53

MI0022802

Waterbody: Rouge River

Outfall 109

RTB (MG)
28.70

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19970

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	1:15:00 PM	9/20/2018	7:30:00 PM

Rain(IN) = 1.53

MI0022802

Waterbody: Conner Creek (tributary to Detroit River)

Outfall 104

RTB (MG)
85.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19977

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	9:05:00 AM	9/27/2018	9:29:00 AM

Rain(IN) = 2.92
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
269.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19977

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:10:00 AM	9/26/2018	1:45:00 AM

Rain(IN) = 2.92
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
7.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19977

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:30:00 AM	9/26/2018	4:15:00 PM

Rain(IN) = 2.92
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
38.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19977

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	11:00:00 AM	9/26/2018	3:00:00 AM

Rain(IN) = 2.92
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
239.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19977

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	11:00:00 AM	9/26/2018	5:00:00 PM

Rain(IN) = 2.92
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
34.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19977

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	11:30:00 AM	9/26/2018	1:05:00 AM

Rain(IN) = 2.92
Waterbody: Detroit River

MI0022802

Outfall 108

RTB (MG)
3.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
19977

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	11:50:00 AM	9/26/2018	9:05:00 AM

Rain(IN) = 2.92 MI0022802

Waterbody: Conner Creek (tributary to Detroit River) Outfall 104

RTB (MG)
347.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
19977

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:45:00 PM	9/26/2018	12:50:00 AM

Rain(IN) = 2.92 MI0022802

Waterbody: Detroit River Outfall 105

RTB (MG)
13.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20007

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	8:33:00 AM	10/3/2018	8:22:00 PM

Rain(IN) = 0.43
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
258.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20007

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	12:50:00 PM	10/2/2018	6:55:00 AM

Rain(IN) = 0.43
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
2.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20007

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	1:00:00 PM	10/2/2018	8:30:00 PM

Rain(IN) = 0.43 MI0022802

Waterbody: Conner Creek (tributary to Detroit River) Outfall 104

RTB (MG)
175.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20007

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	1:55:00 PM	10/1/2018	4:59:00 PM

Rain(IN) = 0.43 MI0022802

Waterbody: Rouge River Outfall 101

RTB (MG)
11.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20007

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	6:00:00 PM	10/2/2018	7:03:00 PM

Rain(IN) = 0.43
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
29.50

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20007

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/2/2018	12:45:00 PM	10/2/2018	9:30:00 PM

Rain(IN) = 0.43
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
5.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20049

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	3:59:00 AM	10/8/2018	8:50:00 AM

Rain(IN) = 1.3
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
281.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20049

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	5:15:00 AM	10/6/2018	10:05:00 PM

Rain(IN) = 1.3
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
3.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20049

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	6:30:00 AM	10/7/2018	6:10:00 AM

Rain(IN) = 1.3 MI0022802

Waterbody: Conner Creek (tributary to Detroit River) Outfall 104

RTB (MG)
268.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20049

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	6:30:00 AM	10/7/2018	1:58:00 PM

Rain(IN) = 1.3 MI0022802

Waterbody: Rouge River Outfall 107

RTB (MG)
76.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20049

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	7:00:00 AM	10/7/2018	6:00:00 AM

Rain(IN) = 1.3
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
246.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20049

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	7:35:00 PM	10/7/2018	7:16:00 AM

Rain(IN) = 1.3
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
31.30

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20080

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	6:22:00 AM	11/4/2018	6:00:00 AM

Rain(IN) = 2.44

Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
443.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20080

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/31/2018	10:45:00 AM	11/2/2018	4:00:00 PM

Rain(IN) = 2.44

Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
200.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20080

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	2:05:00 PM	11/2/2018	2:15:00 PM

Rain(IN) = 2.44 MI0022802

Waterbody: Detroit River Outfall 106

RTB (MG)
7.20

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20080

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	5:10:00 PM	11/2/2018	10:40:00 PM

Rain(IN) = 2.44 MI0022802

Waterbody: Conner Creek (tributary to Detroit River) Outfall 104

RTB (MG)
375.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20080

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	7:00:00 PM	11/2/2018	9:50:00 PM

Rain(IN) = 2.44
Waterbody: Rouge River

MI0022802

Outfall 109

RTB (MG)
24.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20080

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	8:00:00 PM	11/2/2018	8:30:00 PM

Rain(IN) = 2.44
Waterbody: Rouge River

MI0022802

Outfall 107

RTB (MG)
163.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20080

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	11:10:00 PM	11/1/2018	11:55:00 PM

Rain(IN) = 2.44
Waterbody: Detroit River

MI0022802

Outfall 108

RTB (MG)
0.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20113

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	9:20:00 AM	11/6/2018	11:32:00 PM

Rain(IN) = 0.16
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
41.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20122

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	7:55:00 AM	11/28/2018	2:22:00 AM

Rain(IN) = 0.6
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
155.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20122

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	12:30:00 PM	11/26/2018	6:00:00 PM

Rain(IN) = 0.6
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
20.00

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20122

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	2:00:00 PM	11/26/2018	6:30:00 PM

Rain(IN) = 0.6

MI0022802

Waterbody: Rouge River

Outfall 107

RTB (MG)
11.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20122

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	5:00:00 PM	11/26/2018	11:15:00 PM

Rain(IN) = 0.6

MI0022802

Waterbody: Conner Creek (tributary to Detroit River)

Outfall 104

RTB (MG)
36.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
20132

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	1:39:00 AM	12/4/2018	3:18:00 AM

Rain(IN) = 0.59
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
100.80

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

GLWA WRRF

Submission ID
20132

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	2:30:00 AM	12/2/2018	8:40:00 AM

Rain(IN) = 0.59
Waterbody: Rouge River

MI0022802

Outfall 101

RTB (MG)
6.60

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
HNK-788K-QFDMZ

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/21/2018	7:57:00 AM	12/22/2018	5:22:00 AM

Rain(IN) = 0.58
Waterbody: Detroit River

Outfall 049

RTB (MG)
63.90

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
HNK-FC7C-PY9SB

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	3:56:00 PM	1/2/2019	9:47:00 AM

Rain(IN) = 0.94
Waterbody: Detroit River

MI0022802

Outfall 049

RTB (MG)
183.40

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
HNK-FC7C-PY9SB

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	5:08:00 PM	1/1/2019	2:00:00 AM

Rain(IN) = 0.94
Waterbody: Detroit River

MI0022802

Outfall 106

RTB (MG)
3.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
HNK-FC7C-PY9SB

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	7:00:00 PM	1/1/2019	6:30:00 AM

Rain(IN) = 0.94
Waterbody: Detroit River

MI0022802

Outfall 101

RTB (MG)
82.10

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

GLWA WRRF

Submission ID
HNK-FC7C-PY9SB

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	8:00:00 PM	1/1/2019	9:00:00 PM

Rain(IN) = 0.94
Waterbody: Detroit River

MI0022802

Outfall 107

RTB (MG)
44.90

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

GLWA WRRF

Submission ID
HNK-FC7C-PY9SB

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	9:20:00 PM	1/1/2019	4:20:00 AM

Rain(IN) = 0.94
Waterbody: Detroit River

MI0022802

Outfall 104

RTB (MG)
49.70

Actions by EGLE: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP

The NPDES Permit requires elimination of all high priority CSO outfalls by 2037.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Totals GLWA WRRF

RTB (MG)
21379.40

Milk River CSO RTB

Milk River CSO RTB

Submission ID
19238

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/11/2018	11:05:00 AM	1/11/2018	5:52:00 PM

Rain(IN) = 0.21
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
10.59

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

Milk River CSO RTB

Submission ID
19261

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	6:10:00 PM	1/22/2018	6:31:00 PM

Rain(IN) = 0.44
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
6.81

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Milk River CSO RTB

Submission ID
19290

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	7:20:00 PM	2/15/2018	8:00:00 PM

Rain(IN) = 0.1
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
3.22

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

Milk River CSO RTB

Submission ID
19319

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	1:42:00 PM	2/21/2018	12:03:00 PM

Rain(IN) = 1.97
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
21.86

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Milk River CSO RTB

Submission ID
19412

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/2/2018	3:40:00 PM	3/2/2018	3:58:00 PM

Rain(IN) = 0.65
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
11.60

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

Milk River CSO RTB

Submission ID
19471

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	10:32:00 PM	4/3/2018	11:25:00 PM

Rain(IN) = 0.88
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
19.02

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Milk River CSO RTB

Submission ID
19495

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	12:20:00 PM	4/14/2018	12:20:00 PM

Rain(IN) = 2.44
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
120.00

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

Milk River CSO RTB

Submission ID
19592

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/4/2018	3:04:00 AM	5/5/2018	11:35:00 AM

Rain(IN) = 1.07
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
13.61

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Milk River CSO RTB

Submission ID
19639

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	3:00:00 AM	5/12/2018	2:20:00 PM

Rain(IN) = 2.87
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
155.64

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

Milk River CSO RTB

Submission ID
19640

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	3:35:00 AM	5/15/2018	2:20:00 PM

Rain(IN) = 0.7
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
36.60

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Milk River CSO RTB

Submission ID
19691

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/3/2018	11:00:00 AM	6/3/2018	11:26:00 AM

Rain(IN) = 0.86
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
11.78

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

Milk River CSO RTB

Submission ID
20036

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:08:00 AM	9/25/2018	10:37:00 AM

Rain(IN) = 2
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
38.79

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Milk River CSO RTB

Submission ID
20037

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	8:55:00 AM	10/2/2018	6:11:00 AM

Rain(IN) = 2.16
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
45.14

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

Milk River CSO RTB

Submission ID
20052

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	5:15:00 AM	10/7/2018	3:00:00 AM

Rain(IN) = 1.92
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
61.43

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Milk River CSO RTB

Submission ID
20098

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/1/2018	2:45:00 PM	11/2/2018	10:54:00 AM

Rain(IN) = 2.36
Waterbody: Milk River

MI0025500

Outfall 001

RTB (MG)
42.70

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

Milk River CSO RTB

Submission ID
HNK-FFWV-0EXT2

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	6:45:00 PM	12/31/2018	8:00:00 PM

Waterbody: Lake Saint Clair

MI0025500

Outfall 001

RTB (MG)
4.93

Actions by EGLE: Long-term Control Program being implemented; retention/treatment basin upgraded in mid-1990s; reissued permit required an "In-stream Dissolved Oxygen Study" to determine whether discharges from the facility cause violations of Water Quality Standards and if additional corrections might be necessary; retention/treatment basin being upgraded further beginning in 2015; there are no uncontrolled (i.e., untreated) CSO outfalls associated with this permittee/program. Now operated by South East Macomb Sanitary District for Milk River Intercounty Drain Drainage Board.

ACO00114

Totals

Milk River CSO RTB

RTB (MG)
603.72

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

River Rouge CSO RTB

River Rouge CSO RTB

Submission ID
19367

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:55:00 AM	2/20/2018	6:30:00 PM

Rain(IN) = 1.97
Waterbody: Rouge River

MI0028819

Outfall 001

RTB (MG)
15.44

Actions by EGLE: Long term control program: LTCP completed; the program included a retention/treatment basin to provide adequate treatment of all combined sewer overflows (the facility went "on-line" and began treating overflows in 1999); remaining corrective projects have been completed and the project has been certified. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

River Rouge CSO RTB

Submission ID
19549

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	5:41:00 AM	4/17/2018	11:30:00 AM

Rain(IN) = 2.38
Waterbody: Rouge River

MI0028819

Outfall 001

RTB (MG)
26.96

Actions by EGLE: Long term control program: LTCP completed; the program included a retention/treatment basin to provide adequate treatment of all combined sewer overflows (the facility went "on-line" and began treating overflows in 1999); remaining corrective projects have been completed and the project has been certified. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

River Rouge CSO RTB

Submission ID
19667

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	10:45:00 AM	5/12/2018	7:40:00 PM

Rain(IN) = 2.51
Waterbody: Rouge River

MI0028819

Outfall 001

RTB (MG)
11.02

Actions by EGLE: Long term control program: LTCP completed; the program included a retention/treatment basin to provide adequate treatment of all combined sewer overflows (the facility went "on-line" and began treating overflows in 1999); remaining corrective projects have been completed and the project has been certified. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

River Rouge CSO RTB

Submission ID
19669

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	3:51:00 AM	5/15/2018	7:45:00 PM

Rain(IN) = 0.7
Waterbody: Rouge River

MI0028819

Outfall 001

RTB (MG)
4.08

Actions by EGLE: Long term control program: LTCP completed; the program included a retention/treatment basin to provide adequate treatment of all combined sewer overflows (the facility went "on-line" and began treating overflows in 1999); remaining corrective projects have been completed and the project has been certified. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

River Rouge CSO RTB

Submission ID
19670

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/19/2018	9:19:00 PM	5/19/2018	11:40:00 PM

Rain(IN) = 0.24
Waterbody: Rouge River

MI0028819

Outfall 001

RTB (MG)
1.13

Actions by EGLE: Long term control program: LTCP completed; the program included a retention/treatment basin to provide adequate treatment of all combined sewer overflows (the facility went "on-line" and began treating overflows in 1999); remaining corrective projects have been completed and the project has been certified. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

River Rouge CSO RTB

Submission ID
19944

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/1/2018	5:40:00 PM	9/1/2018	9:30:00 PM

Rain(IN) = 0.42
Waterbody: Rouge River

MI0028819

Outfall 001

RTB (MG)
3.55

Actions by EGLE: Long term control program: LTCP completed; the program included a retention/treatment basin to provide adequate treatment of all combined sewer overflows (the facility went "on-line" and began treating overflows in 1999); remaining corrective projects have been completed and the project has been certified. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

River Rouge CSO RTB

Submission ID
19988

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	10:05:00 AM	9/20/2018	8:10:00 PM

Rain(IN) = 1.23
Waterbody: Rouge River

MI0028819

Outfall 001

RTB (MG)
10.70

Actions by EGLE: Long term control program: LTCP completed; the program included a retention/treatment basin to provide adequate treatment of all combined sewer overflows (the facility went "on-line" and began treating overflows in 1999); remaining corrective projects have been completed and the project has been certified. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

River Rouge CSO RTB

Submission ID
19989

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	11:10:00 AM	9/26/2018	4:00:00 AM

Rain(IN) = 1.97
Waterbody: Rouge River

MI0028819

Outfall 001

RTB (MG)
10.10

Actions by EGLE: Long term control program: LTCP completed; the program included a retention/treatment basin to provide adequate treatment of all combined sewer overflows (the facility went "on-line" and began treating overflows in 1999); remaining corrective projects have been completed and the project has been certified. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

River Rouge CSO RTB

Submission ID
20131

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/2/2018	3:30:00 AM	11/3/2018	9:45:00 AM

Rain(IN) = 1.69
Waterbody: Rouge River

MI0028819

Outfall 001

RTB (MG)
0.47

Actions by EGLE: Long term control program: LTCP completed; the program included a retention/treatment basin to provide adequate treatment of all combined sewer overflows (the facility went "on-line" and began treating overflows in 1999); remaining corrective projects have been completed and the project has been certified. The permit required "Total Residual Chlorine Mixing Zone/Plume Definition Study" has been submitted and is currently under review by the Department. The report evaluates whether or not the Total Residual Chlorine (TRC) discharges from the RTB cause violations of Water Quality Standards.

Totals River Rouge CSO RTB

RTB (MG)
83.45

Southgate-Wyandotte CSO RTF

Southgate-Wyandotte CSO RTF

Submission ID
19322

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/12/2018	9:50:00 AM	1/12/2018	4:00:00 PM

Rain(IN) = 0.19
Waterbody: Detroit River (Trenton Channel)

MI0036072

Outfall 001

RTB (MG)
6.48

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19309

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/15/2018	1:05:00 PM	2/16/2018	7:50:00 PM

Rain(IN) = 0.16

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
32.94

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19397

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/19/2018	1:25:00 PM	2/25/2018	8:25:00 PM

Rain(IN) = 2.6

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
349.25

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19420

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	12:00:00 PM	3/6/2018	11:40:00 AM

Rain(IN) = 1.78

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
134.81

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19461

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/29/2018	8:30:00 PM	3/30/2018	10:15:00 AM

Rain(IN) = 0.71

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
8.64

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19486

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	9:00:00 PM	4/4/2018	12:15:00 PM

Rain(IN) = 0.81

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
41.23

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19532

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	10:40:00 AM	4/17/2018	7:00:00 PM

Rain(IN) = 2.89

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
222.59

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19620

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	12:40:00 AM	5/4/2018	5:35:00 PM

Rain(IN) = 1.36

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
45.63

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19619

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/6/2018	4:00:00 PM	5/7/2018	2:45:00 PM

Rain(IN) = 0.25

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
23.63

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19649

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	12:55:00 AM	5/16/2018	6:55:00 AM

Rain(IN) = 2.72

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
309.47

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19678

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	5:40:00 PM	5/22/2018	8:45:00 PM

Rain(IN) = 0.42

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
20.12

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19706

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/1/2018	4:45:00 PM	6/1/2018	10:40:00 PM

Rain(IN) = 0.4

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
7.56

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19752

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/19/2018	12:25:00 AM	6/20/2018	6:40:00 AM

Rain(IN) = 1.66

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
76.60

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19753

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	1:30:00 PM	6/24/2018	1:40:00 PM

Rain(IN) = 0.51

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
34.16

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19751

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	1:55:00 PM	6/27/2018	2:40:00 PM

Rain(IN) = 0.28

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
2.30

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19858

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:25:00 AM	8/2/2018	12:30:00 AM

Rain(IN) = 1.15

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
59.81

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
19967

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	12:15:00 PM	9/20/2018	4:15:00 PM

Rain(IN) = 0.66

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
20.63

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
19984

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:35:00 AM	9/25/2018	9:40:00 PM

Rain(IN) = 2.64

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
190.16

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
20063

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	11:20:00 AM	10/9/2018	3:05:00 AM

Rain(IN) = 1.42

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
39.56

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
20108

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	6:00:00 AM	11/6/2018	7:30:00 AM

Rain(IN) = 0.22

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
5.54

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
20129

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/26/2018	9:15:00 AM	11/27/2018	6:30:00 AM

Rain(IN) = 0.65

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
30.51

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Southgate-Wyandotte CSO RTF

Submission ID
20130

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/2/2018	2:45:00 AM	12/2/2018	2:55:00 PM

Rain(IN) = 0.6

MI0036072

Waterbody: Detroit River (Trenton Channel)

Outfall 001

RTB (MG)
9.18

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Southgate-Wyandotte CSO RTF

Submission ID
HNK-HJ6F-EX0VV

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/31/2018	4:30:00 PM	1/2/2019	11:00:00 PM

Rain(IN) = 0.93

MI0036072

Waterbody: Detroit River / Trenton channel

Outfall 001

RTB (MG)
39.80

Actions by EGLE: Long term control program: LTCP being implemented (existing retention/treatment facility); reissued permit requires a Water Quality Study for a determination of whether the facility provides adequate treatment of all overflows; Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future. The NPDES permit also requires the permittee to submit a Hydraulic Capacity Study for the Pine St PS. The study will be used to determine if any improvements can be made to eliminate CSO discharges from the Pine St PS.

Totals

Southgate-Wyandotte CSO RTF

RTB (MG)
1710.57

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Wayne Co/Dearborn Heights CSO

Submission ID
19368

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:15:00 AM	2/21/2018	2:10:00 PM

Rain(IN) = 2.26

Waterbody: Rouge River, Middle Branch

MI0051489

Outfall 001

RTB (MG)
23.15

Actions by EGLE: Long term control program: LTCP revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID
19551

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	6:00:00 PM	4/16/2018	7:00:00 PM

Rain(IN) = 2.38

Waterbody: Rouge River, Middle Branch

MI0051489

Outfall 001

RTB (MG)
5.63

Actions by EGLE: Long term control program: LTCP revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Wayne Co/Dearborn Heights CSO

Submission ID
19992

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	10:30:00 AM	9/20/2018	4:35:00 PM

Rain(IN) = 1.98

MI0051489

Waterbody: Rouge River, Middle Branch

Outfall 001

RTB (MG)
13.40

Actions by EGLE: Long term control program: LTCP revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Wayne Co/Dearborn Heights CSO

Submission ID
19993

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:25:00 AM	9/25/2018	9:20:00 PM

Rain(IN) = 2.42

MI0051489

Waterbody: Rouge River, Middle Branch

Outfall 001

RTB (MG)
11.60

Actions by EGLE: Long term control program: LTCP revised in reissued permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. Outfalls M18 & M19 have been eliminated and certified by December, 2005 (flow has been directed to the existing RTB). It is the Departments intent to require in the reissued permit, independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Totals

Wayne Co/Dearborn Heights CSO

RTB (MG)
53.78

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Wayne Co/Inkster CSO

Submission ID
19369

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:03:00 AM	2/20/2018	5:42:00 PM

Rain(IN) = 2.03

Waterbody: Rouge River, Lower Branch

MI0051471

Outfall 001

RTB (MG)
17.43

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
19552

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	1:04:00 PM	4/16/2018	12:54:00 PM

Rain(IN) = 2.37

Waterbody: Rouge River, Lower Branch

MI0051471

Outfall 001

RTB (MG)
9.22

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
19990

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	11:15:00 AM	9/20/2018	12:15:00 PM

Rain(IN) = 1.98

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 001

RTB (MG)
1.29

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Wayne Co/Inkster CSO

Submission ID
19991

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:35:00 AM	9/26/2018	1:10:00 PM

Rain(IN) = 2.44

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 001

RTB (MG)
3.00

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Wayne Co/Inkster CSO

Submission ID
20075

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	11:07:00 AM	10/6/2018	12:30:00 PM

Rain(IN) = 1.32

MI0051471

Waterbody: Rouge River, Lower Branch

Outfall 001

RTB (MG)
0.29

Actions by EGLE: Long term control program: LTCP revised in permit; construction of retention/treatment basin is complete & facility is "on-line" and the Department agrees that the RTB protects public health, eliminates raw sewage, protects the physical characteristics standard, and does not impact biological communities. An evaluation of the RTB discharges on the dissolved oxygen standard has been submitted and is under Department review. 5 CSOs have been eliminated/bulkheaded following sewer separation. The City recently constructed an RTB to address two west side CSOs. A revised financial demonstration has been submitted and its the Departments intent to require in the reissued permit, final CSO correction by 2025.

Totals Wayne Co/Inkster CSO

RTB (MG)
31.24

Wayne Co/RDFrd/Livonia CSO

Wayne Co/RDFrd/Livonia CSO

Submission ID
19370

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:00:00 AM	2/21/2018	8:00:00 PM

Rain(IN) = 1.97

MI0051535

Waterbody: Rouge River, Upper Branch

Outfall 001

RTB (MG)
5.19

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Wayne Co/RDFrd/Livonia CSO

Submission ID
19550

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	5:01:00 PM	4/16/2018	2:01:00 PM

Rain(IN) = 2.37

Waterbody: Rouge River, Upper Branch

MI0051535

Outfall 001

RTB (MG)
6.33

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Wayne Co/RDFrd/Livonia CSO

Submission ID
19666

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	5:45:00 AM	5/12/2018	9:42:00 PM

Rain(IN) = 2.71

Waterbody: Rouge River, Upper Branch

MI0051535

Outfall 001

RTB (MG)
6.88

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

RTB Detail Report
January 1 - December 31, 2018

Wayne Co/RDFrd/Livonia CSO

Submission ID
19668

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/14/2018	11:43:00 AM	5/14/2018	7:19:00 PM

Rain(IN) = 0.76

Waterbody: Rouge River, Upper Branch

MI0051535

Outfall 001

RTB (MG)
3.05

Actions by EGLE: Long term control program: LTCP being implemented; construction of retention/treatment basin (for elimination of raw sewage & protection of public health) complete & facility is "on-line". The Department agrees that the RTB eliminates raw sewage, protects public health, and protects the physical characteristics standard. A report has been submitted to verify that the RTB protects the dissolved oxygen standard, and is currently under review by the Department. The reissued permit will require independent control of the remaining untreated outfall or alternatively work with GLWA on a regional plan by 2025.

Totals Wayne Co/RDFrd/Livonia CSO

RTB (MG)
21.45

County Totals Wayne

RTB (MG)
24494.97

Report Totals

27983.96

MG = million gallons
RTB discharges are a result of wet weather. Dry weather RTB discharges are classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Alpena

Alpena CM

Alpena CM

Submission ID
19576

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/19/2018	7:30:00 AM	3/20/2018	9:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: Dodge Drive near Island View Lift Station

Reason: Island View Sanitary Sewer lift station force main break

Totals Alpena CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Alpena Township CM

Alpena Township CM

Submission ID
19748

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/25/2018	3:00:00 PM	6/25/2018	4:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0000035		

Location: SE corner of Princeton Avenue and Genschaw Drive

Reason: Spill from vac truck suction tube upon braking to manuver corner

Alpena Township CM

Submission ID
19774

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/2/2018	9:45:00 AM	7/2/2018	4:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: 1180 M32 West, Alpena

Reason: A sewer backup (blockage) broke loose causing excessive flow to the next (downstream) manhole. The manhole was shallow and in the parking lot of Walmart. The manhole overflowed and the discharge flowed into the parking lot storm sewer system.

Totals Alpena Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0010035		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

County Totals	Alpena			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0011035		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Barry

Carlton Township CM

Carlton Township CM

Submission ID
19948

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/23/2018	4:00:00 AM	8/23/2018	9:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.002	

Location: 1669 N M-43 Hwy-Oxidation Facility

Reason: Ruptured 45 degree elbow on underground 4" pipe discharging from the treatement tank into the oxidation facility building (where flow is measured). Located at Oxidation Facility and leached into surrounding 5 sq yd sand/gravel area with grass veg

EGLE Action: necessary

Totals Carlton Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.002	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Southwest Barry Co SWA CM

Southwest Barry Co SWA CM

Submission ID
19425

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	11:00:00 AM	2/20/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Reason: line cleanout caused back up

Southwest Barry Co SWA CM

Submission ID
19423

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	3:45:00 PM	2/21/2018	4:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Reason: Lost power to residential lift station

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Southwest Barry Co SWA CM

Submission ID
19580

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/30/2018	11:00:00 AM	4/30/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00003	

Reason: Residential lift station overflowed. Pump wasn't running because customer's electrical breaker was tripped. Sewage overflowed the manhole. 30 gallons. No waterbody impacted.

EGLE Action: at this time.

Southwest Barry Co SWA CM

Submission ID
HNK-MSGK-3CYRS

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/13/2018	1:00:00 PM	11/13/2018	5:00:00 PM

GW1810126

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Reason: Broken sewer line from phone company performing some directional boring that hit the line

Totals Southwest Barry Co SWA CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00105	0.00013	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

County Totals	Barry			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00105	0.00213	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Benzie

Beulah CM

Beulah CM

Submission ID
19260

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/26/2018	8:00:00 AM	1/26/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Location: Outfall of raw sewage from SSO was to the ground surface only on WWTP property.

Reason: The sewer main coming into the WWTP became plugged by a mop head and caused raw sewage to backup and overflow out of of a manhole located on the WWTP property, upstream of the plugged location.

EGLE Action: Will be issuing a VN for this SSO and one experienced late in 2017.

Schedule of compliance will be written into the VN.

Totals Beulah CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Elberta CM

Elberta CM

Submission ID
19419

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/19/2018	12:00:00 PM	3/7/2018	1:43:00 PM

Waterbody: Betsie River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
1.1232		

Location: Frankfort Ave/Lake St.

Reason: Leak in Focemain pipe running to BLUA WWTP

EGLE Action: Required the forcmain to be shutdown and working with the Village to expidite permits to get the new forcemain installed. Violation notice sent for the discharge

Totals Elberta CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
1.1232		

County Totals Benzie

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
1.12325		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Berrien

Benton Harbor CM

Benton Harbor CM

Submission ID
19315

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:00:00 AM	2/20/2018	2:20:00 PM

Rain(IN) = 5.4
Waterbody: St. Joseph River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05		

Location: Gray & Riverview Drive

Reason: High Infiluent Flows (40mgd Rate) due to ~3" of rain and 14" of snow melt.

EGLE Action: No Further action planned at this time.

Totals Benton Harbor CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Benton Harbor-St Joseph WWTP

Benton Harbor-St Joseph WWTP

Submission ID
19314

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:55:00 AM	2/21/2018	7:30:00 AM

Rain(IN) = 5.4

MI0022322

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005	

Location: BH/SJ WWTP Equilization Tank

Reason: High Influent Flows due to 3" of Rainfall and 14" of snow melt. Intermittent discharges

Totals Benton Harbor-St Joseph WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.005	

Chikaming Township CM

Chikaming Township CM

Submission ID
19334

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	8:00:00 AM	2/22/2018	8:00:00 AM

Rain(IN) = 4.73

Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0504		

Location: Manholes in Berrien Street between Oakwood and Red Arrow Hwy

Reason: Major Flooding (Statewide Wet Weather/Snowmelt event)

EGLE Action: Event evaluated, no additional actions taken at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Chikaming Township CM

Submission ID
19405

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	2:36:00 PM	3/2/2018	8:30:00 AM

Rain(IN) = 1.35
Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0162		

Location: Manholes in Berrien Street between Oakwood and Red Arrow Hwy

Reason: Major Flooding

EGLE Action: Event evaluated, no additional actions taken at this time.

Chikaming Township CM

Submission ID
19637

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	9:36:00 AM	5/15/2018	7:01:00 PM

Rain(IN) = 2.77
Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.002825		

Location: Manholes in Berrien Street between Oakwood and Red Arrow Hwy

Reason: Heavy Rain

EGLE Action: Event evaluated, no additional actions taken at this time.

Totals Chikaming Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.069425		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Coloma Township CM

Coloma Township CM

Submission ID
19372

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:00:00 PM	2/22/2018	11:00:00 AM

Rain(IN) = 4.3

Waterbody: Paw Paw Lake, via canal

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.105

Reason: Township personel discharged dilute sanitary sewage to the canal after attempting to use trucks to haul the wastewater to gain access to the forcemain to make repairs.

Totals Coloma Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.10500

GRSD Sewer Authority WWTP

GRSD Sewer Authority WWTP

Submission ID
19430

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/18/2018	8:00:00 PM	3/19/2018	1:00:00 AM

MI0027987

Waterbody: Sawyer Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0024		

Location: LS #10, 6279 Sawyer Rd, Chikaming Twp.

Reason: Forcemain Break

EGLE Action: No Additional Action Taken at This Time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals GRSD Sewer Authority WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0024		

Lake Charter Township CM

Lake Charter Township CM

Submission ID
19312

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:00:00 AM	2/22/2018	8:00:00 AM

Rain(IN) = 5.5
Waterbody: Keelo Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0864		

Location: MH on Date Rd Near Linko Rd

Reason: major flooding

EGLE Action: No Further action planned at this time.

Lake Charter Township CM

Submission ID
19313

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:00:00 AM	2/22/2018	8:00:00 AM

Rain(IN) = 4.73
Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0576		

Reason: major flooding

EGLE Action: No Further action planned at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lake Charter Township CM

Submission ID
19404

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	2:36:00 PM	3/2/2018	8:30:00 AM

Rain(IN) = 1.35
Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0342		

Reason: Major Flooding
EGLE Action: No Further action planned at this time.

Lake Charter Township CM

Submission ID
19638

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	9:36:00 AM	5/15/2018	7:02:00 PM

Rain(IN) = 2.77
Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01132		

Reason: Heavy Rains
EGLE Action: No Further action planned at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lake Charter Township CM

Submission ID
19662

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/22/2018	12:00:00 PM	5/22/2018	12:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: 12032 Red Arrow Hwy, Sawyer Mi (Warren Dunes State Park)

Reason: Major Repairs on Lift Station 30, one of the 2 pumps need to removed for maintenance and the SSO occurred while installing the bypass pump.

EGLE Action: Sending Violation Notice

Lake Charter Township CM

Submission ID
19894

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/22/2018	8:43:00 AM	6/23/2018	8:00:00 AM

Rain(IN) = 4.5

Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02794		

Reason: Major Flooding

EGLE Action: No Further action planned at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lake Charter Township CM

Submission ID
19765

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/22/2018	8:45:00 AM	6/23/2018	8:00:00 AM

Rain(IN) = 4.5
Waterbody: Painterville Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.005		

Location: Floral Lane Manhole, 150' east of Trailhead Parking Entrance

Reason: Major Flooding

EGLE Action: No Further action on this event at this time

Lake Charter Township CM

Submission ID
19767

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/22/2018	8:45:00 AM	6/23/2018	8:00:00 AM

Rain(IN) = 4.5
Waterbody: Painterville Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.005		

Location: Snow Road Manhole, Approx 100 yds from Baldwin Road Intersection

Reason: Major Flooding

EGLE Action: No Further action on this event at this time

Totals Lake Charter Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.22756		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

New Buffalo CM

New Buffalo CM

Submission ID
19346

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	12:00:00 PM	2/22/2018	10:00:00 AM

Rain(IN) = 4.73

Waterbody: Lake Michigan via Roadside Ditch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0264		

Location: MH on West Mechanic st near North Willard

Reason: Major Flooding (rain event/snow melt exceeding 25yr/24hr event)

EGLE Action: Event evaluated, no additional actions taken at this time.

New Buffalo CM

Submission ID
19960

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/8/2018	8:00:00 AM	8/8/2018	9:30:00 AM

Rain(IN) = 0.03

Waterbody: Galien River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.006912		

Reason: Malfunctioning Air Release Valve

EGLE Action: Sending Violation Notice

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

New Buffalo CM

Submission ID
20067

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/17/2018	5:00:00 AM	10/17/2018	9:00:00 AM

Waterbody: Galien River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00532		

Location: LS 79, 1 N Franklin St (US12), New Buffalo Mi

Reason: Alarm Failure

EGLE Action: No further action taken at this time. Municipality replaced failed equipment.

Totals New Buffalo CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.038632		

New Buffalo Township CM

New Buffalo Township CM

Submission ID
19302

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:00:00 AM	2/22/2018	8:00:00 AM

Rain(IN) = 4.73

Waterbody: Tributary to Galien River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.2592		

Location: Manhole near Red Arrow Hwy and Community Hall Rd

Reason: Sanitary sewage discharging from Manhole near Red Arrow Hwy and Community Hall Rd due to major flooding (Rain and snowmelt event exceeding 25 yr/24 hr event)

EGLE Action: Event evaluated, no additional actions taken at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

New Buffalo Township CM

Submission ID
19403

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	2:36:00 PM	3/2/2018	8:30:00 AM

Rain(IN) = 1.35
Waterbody: Tributary to Galien River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0162		

Location: Manhole near Red Arrow Hwy and Community Hall Rd

Reason: Major Flooding

EGLE Action: Event evaluated, no additional actions taken at this time.

New Buffalo Township CM

Submission ID
19634

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	9:14:00 AM	5/15/2018	9:00:00 PM

Rain(IN) = 2.7
Waterbody: Tributary to Galien River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02816		

Location: Manhole near Red Arrow Hwy and Community Hall Rd

Reason: Heavy Rain

EGLE Action: Event evaluated, no additional actions taken at this time.

Totals New Buffalo Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.30356		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Niles CM

Niles CM

Submission ID
19581

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/30/2018	3:30:00 PM	4/30/2018	5:00:00 PM

MI0023701

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.015		

Reason: Force main faiure, pipe was compromised. A rock caused a hole to form in the pipe.

EGLE Action: No Further action taken at this time.

Niles CM

Submission ID
19629

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/14/2018	9:43:00 AM	5/14/2018	10:10:00 AM

Rain(IN) = 1.59

Waterbody: St. Joseph River

MI0023701

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.015		

Location: Grant St siphon overflow, west side

Reason: Heavy Rainfall overcoming the siphon structure.

EGLE Action: The DEQ has requested the City evaluate the capacity of the sewer system and provide adequate capacity, valve the overflow point or eliminate it if there are no public health consequences.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Niles CM

Submission ID
19914

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	10:00:00 AM	8/28/2018	11:00:00 AM

Rain(IN) = 2.6

MI0023701

Waterbody: St. Joseph River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02		

Location: Grant St siphon overflow, west side

Reason: Heavy rain event overwhelmed the siphon structure.

EGLE Action: The DEQ has requested the City evaluate the capacity of the sewer system and provide adequate capacity, valve the overflow point or eliminate it if there are no public health consequences.

Totals Niles CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05		

Southwest Michigan Regional Sanitary Sewer and Water Auth CM

Southwest Michigan Regional Sanitary Sewer and Water Auth CM

Submission ID
19598

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/4/2018	6:00:00 AM	5/4/2018	7:30:00 AM

Rain(IN) = 3

Waterbody: St. Joseph River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.06		

Location: Forcemain between Napier Ave and Ann St.

Reason: 20" Force Main Break

EGLE Action: No further action taken at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Southwest Michigan Regional Sanitary Sewer and Water Auth CM

Submission ID
19882

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/11/2018	6:00:00 PM	8/11/2018	6:10:00 PM

Waterbody: St. Joseph River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: Forcemain between Napier Ave and Ann St.

Reason: Forcemain Break

EGLE Action: No further action taken at this time.

Totals Southwest Michigan Regional Sanitary Sewer and Water Auth CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.061		

St Joseph CM

St Joseph CM

Submission ID
19555

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/25/2018	11:15:00 AM	4/25/2018	1:45:00 PM

MI0026735

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00045		

Location: McDonalds @ 2820 Niles Ave, St Joseph

Reason: Overflow that resulted from a blackage in a private sewer lateral.

EGLE Action: No additional action taken at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

St Joseph CM

Submission ID
19743

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/21/2018	4:00:00 PM	6/21/2018	7:00:00 PM

Rain(IN) = 4

MI0026735

Waterbody: St. Joseph River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0945

Location: Hawthorne Ave

Reason: Very heavy rain storm - System over capacity

EGLE Action: Extreme wet weather event- No additional action at this time.

St Joseph CM

Submission ID
19764

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/3/2018	9:30:00 AM	7/3/2018	11:30:00 AM

MI0026735

Waterbody: Unnamed to St Joseph River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.06		

Location: Back of Kiwanis Park, 1350 Peral St

Reason: Blockage in gravity sewer main.

EGLE Action: No additional action at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

St Joseph CM

Submission ID
19946

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/7/2018	11:30:00 AM	9/7/2018	12:05:00 PM

MI0026735

Waterbody: Unnamed tributary to St Joseph River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00035		

Location: Lakeview Ave, S of Donna Dr. and North of Veronica Dr.

Reason: Blockage in gravity sewer main

EGLE Action: No additional action required at this time., No Further Action at this Time.

Totals St Joseph CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0608		.09450

County Totals Berrien

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.863377	0.005	0.1995

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Calhoun

Battle Creek CM

Battle Creek CM

Submission ID
19247

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/22/2018	12:05:00 AM	1/22/2018	6:40:00 AM

Rain(IN) = 0.5
Waterbody: Kalamazoo River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0266		

Location: Storm sewer at WWTP

Reason: Biosolids storage tank was full.

Battle Creek CM

Submission ID
19796

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/12/2018	11:39:00 AM	7/12/2018	12:07:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00035		

Location: 1392 Capital Ave NE, Battle Creek, MI 49017

Reason: Women's restroom Sloan valves failed open.

Totals Battle Creek CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02695		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Marshall CM

Marshall CM

Submission ID
19815

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/14/2018	12:30:00 PM	7/15/2018	1:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Location: MH at 42 deg, 16 min, 28 sec N; 84 deg, 56 min, 29 sec W

Reason: Sanitary Sewer was blocked.

Totals Marshall CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

County Totals Calhoun

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0271		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Cass

Cassopolis CM

Cassopolis CM

Submission ID
19446

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/28/2018	1:30:00 PM	3/28/2018	1:32:00 PM

Waterbody: Unnamed Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: Peavine St Lift Station

Reason: Lift Station Malfunction. The pumps lost suction vacuum during a scheduled cleaning operation while the operator was emptying the Vac Truck at the Wastewater Treatment Plant.

EGLE Action: Will be sending violation notice regarding initial notification timeframe and sampling requirements.

Totals Cassopolis CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

County Totals Cass

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Charlevoix

Boyne City CM

Boyne City CM

Submission ID
19282

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/6/2018	10:30:00 AM	2/6/2018	11:00:00 AM

Rain(IN) = 2

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: 1112 Boyne Ave. Boyne City

Reason: Gravity sewer was plugged with grease.

Boyne City CM

Submission ID
20008

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/28/2018	5:30:00 PM	9/28/2018	8:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000015		

Reason: A boring drill hit a 1 1/2" service lead.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Boyne City CM

Submission ID
20048

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/5/2018	12:15:00 PM	10/5/2018	4:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000015		

Reason: A boring drill hit a 1.5" service lead.

Boyne City CM

Submission ID
20061

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/12/2018	12:55:00 PM	10/12/2018	1:20:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Location: 500 N. Lake St

Reason: Sewer line backup

Totals Boyne City CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00016		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Charlevoix CM

Charlevoix CM

Submission ID
19724

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/13/2018	6:30:00 PM	6/13/2018	6:50:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: one mile east of intersection of pa-be-shan trail and orchard rd

Reason: The PVC pipe that ties into a valve shifted off of the valve flange.

Totals Charlevoix CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

East Jordan CM

East Jordan CM

Submission ID
19930

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	9:00:00 PM	8/29/2018	8:00:00 AM

Rain(IN) = 2.11

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

Reason: Heavy rainfall overwhelmed system.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

East Jordan CM

Submission ID
19938

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/29/2018	7:30:00 AM	8/29/2018	8:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03		

Location: Rogers Road between M-32 and Jordan River

Reason: Broken 12" force main

Totals East Jordan CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0303		

Evangeline Township CM

Evangeline Township CM

Submission ID
20073

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/23/2018	3:30:00 PM	10/23/2018	4:40:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0002		

Reason: Contractor broke a 1.5" service line.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Evangeline Township CM			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0002		

County Totals	Charlevoix			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03076		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Cheboygan

Tuscarora Twp CM

Tuscarora Twp CM

Submission ID
19683

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/26/2018	10:45:00 AM	5/26/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

Location: East side of S. Straits Highway, 130' NE of where Sturgeon River intersects Highway

Reason: Plugged sewer line.

Totals Tuscarora Twp CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

County Totals Cheboygan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Clinton

Dewitt CM

Dewitt CM

Submission ID
19324

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	11:30:00 AM	2/21/2018	11:25:00 AM

Rain(IN) = 3
Waterbody: Gunderman Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01625

Reason: heavy rainfall and snowmelt exceeded capacity of sewer

Dewitt CM

Submission ID
19324

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	1:15:00 PM	2/21/2018	12:10:00 PM

Rain(IN) = 3
Waterbody: Gunderman Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.171

Reason: heavy rainfall and snowmelt exceeded capacity of sewer

Totals Dewitt CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.18725

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Royal Scot Golf Course Expansion

Royal Scot Golf Course Expansion

Submission ID
19812

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	7:30:00 AM	5/11/2018	10:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.003		

Location: 4722 W. Grand River, Watertown twp

Reason: broken air relief valve in manhole resulting in discharge from forcemain

Totals Royal Scot Golf Course Expansion

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.003		

St Johns CM

St Johns CM

Submission ID
19325

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	12:31:00 PM	2/21/2018	11:00:00 AM

Rain(IN) = 2.76

Waterbody: Steel and Walbridge Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.167

Location: 907 E Townsend Rd, Lift Station

Reason: overflow due to widespread heavy rainfall and snowmelt event which exceeded capacity of system

EGLE Action: Negotiating settlement.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

St Johns CM

Submission ID
19325

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:15:00 PM	2/21/2018	10:00:00 AM

Rain(IN) = 2.76
Waterbody: St. Johns Big Ditch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.0125

Location: WWTP headworks

Reason: overflow due to widespread heavy rainfall and snowmelt event which exceeded capacity of system

Totals St Johns CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.17950

County Totals Clinton

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.003		2.36675

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Dickinson

Norway CM

Norway CM

Submission ID
19674

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/11/2018	2:00:00 PM	5/11/2018	4:00:00 PM

Waterbody: White Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Location: White Creek @ sewage line from school and golf course.

Reason: Leaking sewage pipe.

Totals Norway CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

County Totals Dickinson

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Eaton

Bellevue CM

Bellevue CM

Submission ID
19351

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	5:00:00 AM	2/21/2018	7:30:00 PM

Rain(IN) = 4.54
Waterbody: Battle Creek River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.05

Location: 300 blk of Benton St

Reason: high flows that exceeded the capacity of the collection system resulting in discharge due to unusually heavy rainfall

Totals **Bellevue CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.05000

Delta Township CM

Delta Township CM

Submission ID
19477

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/11/2018	11:09:00 AM	4/11/2018	11:15:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Reason: discharge from a broken vent pipe

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals Delta Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Grand Ledge CM

Grand Ledge CM

Submission ID
19323

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:30:00 AM	2/21/2018	3:25:00 PM

Rain(IN) = 4.43 MI0020800
Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
3.18		

Location: West River St LS (fka outfall 004)

Reason: infiltration/inflow into sewer during period of heavy rainfall and snowmelt resulted in discharge

Grand Ledge CM

Submission ID
19323

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:50:00 AM	2/21/2018	3:35:00 PM

Rain(IN) = 4.43 MI0020800
Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		3.27

Location: E River St & Russel St (former CSO outfall)

Reason: infiltration/inflow into sewer during period of heavy rainfall and snowmelt resulted in discharge

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **Grand Ledge CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
3.18		3.27000

Meijer-Lansing Distribution

Meijer-Lansing Distribution

Submission ID
19469

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/21/2018	4:05:00 PM	3/21/2018	8:00:00 PM

Waterbody: Hunter Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
unspecified		

Location: 3309 Creyts Rd, Delta Twp, Lansing 48917

Reason: sewer blockage resulting in discharge to storm drain and on-site detention pond

Totals **Meijer-Lansing Distribution**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)

County Totals **Eaton**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
3.18001		3.32

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Emmet

Bear Creek Township CM

Bear Creek Township CM

Submission ID
20028

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/4/2018	5:54:00 AM	10/4/2018	9:12:00 AM

Rain(IN) = 2.7

Waterbody: Little Traverse Bay

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03		

Location: Manhole located on Edgewater in Bear Creek Township

Reason: Power outage, standby generator overvoltage and lift station failed to run.

Totals Bear Creek Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Petoskey CM

Petoskey CM

Submission ID
19660

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/18/2018	2:00:00 AM	5/18/2018	4:30:00 AM

Waterbody: Bear River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05		

Location: Water Street-the sanitary sewer line manhole upstream from the main lift station.

Reason: A control breaker tripped, shutting down the pumping cycle. Normally an alarm would call us immediately. The phone line to the treatment plant alarm system failed. There has been underground and construction work in the phone line area.

Totals Petoskey CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05		

County Totals Emmet

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.08		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Genesee

Beecher Metro District CM

Beecher Metro District CM

Submission ID
19411

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:00:00 AM	2/21/2018	12:00:00 PM

Rain(IN) = 2
Waterbody: Riskin Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.5

Location: #6 Sewer (BMD)

Reason: discharges due to heavy rainfall snowmelt with I/I exceeding the capacity of the sewer system

Beecher Metro District CM

Submission ID
19411

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:00:00 AM	2/21/2018	12:00:00 PM

Rain(IN) = 2
Waterbody: Lake Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.5

Location: #5 Sewer (BMD)

Reason: discharges due to heavy rainfall snowmelt with I/I exceeding the capacity of the sewer system

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Beecher Metro District CM

Submission ID
19411

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:00:00 AM	2/21/2018	12:00:00 PM

Rain(IN) = 2
Waterbody: Hughes Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.5

Location: #1 Sewer (BMD)

Reason: discharges due to heavy rainfall snowmelt with I/I exceeding the capacity of the sewer system

Beecher Metro District CM

Submission ID
19411

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	10:00:00 AM	2/21/2018	12:00:00 PM

Rain(IN) = 2
Waterbody: Hughes Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.5

Location: #4 Sewer (BMD)

Reason: discharges due to heavy rainfall snowmelt with I/I exceeding the capacity of the sewer system

Totals Beecher Metro District CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.00000

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Davison CM

Davison CM

Submission ID
19373

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:00:00 AM	2/21/2018	6:00:00 PM

Rain(IN) = 3
Waterbody: Black Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.495

Location: 400 S. Dayton

Reason: bypass pumping to prevent basement flooding

Davison CM

Submission ID
19507

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	4:30:00 PM	4/16/2018	12:30:00 AM

Waterbody: Black Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.6804

Location: 400 S. Dayton

Reason: bypass pumping during period of heavy rainfall

Totals Davison CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		3.17540

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Flint CM

Flint CM

Submission ID
19973

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/19/2018	12:00:00 AM	9/25/2018	6:00:00 PM

MI0022926

Waterbody: Kearsley Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
unspecified		

Location: south bank kearsley creek downstream of kearsley dam (Western Rd)

Reason: broken sanitary sewer pipe just past siphon under Kearsley Creek. discharged for undetermined period of time

Totals Flint CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)

Flushing CM

Flushing CM

Submission ID
19341

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:00:00 AM	2/21/2018	6:00:00 PM

Rain(IN) = 2.78

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.21

Location: Lift Station, 1245 Coutant St, Flushing

Reason: sewer system capacity exceeded due to heavy rainfall and melting snow resulting in discharge

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals Flushing CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.21000

General Motors LLC - Flint Engine Operations

General Motors LLC - Flint Engine Operations

Submission ID
HNK-JC37-E2YEN

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/10/2018	11:50:00 PM	12/11/2018	11:50:00 AM

MIS510883

Waterbody: Schwartz Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.000275

Location: SGE Cranks Mod 2 Bathroom Sanitary Utility Vault

Reason: A blockage in a sanitary sewer resulted in a release of an unknown quantity estimated not to exceed approximately 275 gallons of sanitary wastewater to an on-site storm sewer catch basin that flows to Swartz Creek. The flow to the storm sewer catc

EGLE Action: Facility is to pursue employee training and proposed structural controls.

Totals General Motors LLC - Flint Engine Operations

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.00028

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Genesee Charter Township CM

Genesee Charter Township CM

Submission ID
19729

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/27/2018	10:00:00 AM	3/27/2018	12:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0015		

Location: N of Pine View Estates MHP & S of Woodlawn Dr

Reason: vandalism - MH cover removed and and sewer filled with concrete chunks and debris

Totals Genesee Charter Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0015		

Genesee County

Genesee County

Submission ID
19352

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	1:00:00 PM	2/21/2018	4:30:00 AM

Rain(IN) = 2.8

Waterbody: Pine Run Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03

Reason: unusually heavy rainfall and snowmelting event on frozen ground resulted in countywide flooding and sewage discharges

EGLE Action: Negotiating settlement.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Genesee County

Submission ID
19352

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:00:00 PM	2/21/2018	7:00:00 AM

Rain(IN) = 2.8
Waterbody: Carmen Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0005

Location: Maple Rd & Maplebrook Ln, Burton

Reason: unusually heavy rainfall and snowmelting event on frozen ground resulted in countywide flooding and sewage discharges

Genesee County

Submission ID
19352

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:00:00 PM	2/21/2018	7:00:00 AM

Rain(IN) = 2.8
Waterbody: Jones Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0005

Reason: unusually heavy rainfall and snowmelting event on frozen ground resulted in countywide flooding and sewage discharges

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Genesee County

Submission ID
19352

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:00:00 PM	2/21/2018	7:00:00 AM

Rain(IN) = 2.8
Waterbody: Carmen Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0025

Location: PS#2, Bristol & Fenton Rd, Burton

Reason: unusually heavy rainfall and snowmelting event on frozen ground resulted in countywide flooding and sewage discharges

Genesee County

Submission ID
19352

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:00:00 PM	2/21/2018	7:00:00 AM

Rain(IN) = 2.8

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.001

Reason: unusually heavy rainfall and snowmelting event on frozen ground resulted in countywide flooding and sewage discharges

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Genesee County

Submission ID
19352

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:00:00 PM	2/21/2018	7:00:00 AM

Rain(IN) = 2.8

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0005

Location: PS#39, 2034 Sheridan, Clayton Twp

Reason: unusually heavy rainfall and snowmelting event on frozen ground resulted in countywide flooding and sewage discharges

Genesee County

Submission ID
19352

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:00:00 PM	2/21/2018	7:00:00 AM

Rain(IN) = 2.8

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.001

Reason: unusually heavy rainfall and snowmelting event on frozen ground resulted in countywide flooding and sewage discharges

Totals Genesee County

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.03600

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

GM Flint Complex

GM Flint Complex

Submission ID
HNK-C08M-60ENF

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/10/2018	12:00:00 PM	12/11/2018	11:20:00 AM

3112a-1040

Waterbody: Swartz Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.000275

Location: 3

Reason: On Tuesday December 11, 2018 at approximately 10:30 a.m., a FEO employee notified FEO EE of standing water adjacent to the east side restroom, south of the B Dock area. Shortly thereafter, a FEO EE mobilized to the site and confirmed standing wat

EGLE Action: acknowledged verbal report from James Ness, GM

Totals GM Flint Complex

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.00028

Mount Morris Township CM

Mount Morris Township CM

Submission ID
19434

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/19/2018	2:00:00 PM	3/19/2018	5:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.005		

Location: PS at 4205 Stanley Rd, Mt Morris Twp (near I-75)

Reason: isolation valve failure on discharge piping while performing a repair to check valve. Temporarily lost use of pump station due to interior flooding

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **Mount Morris Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.005		

Tyrone Township CM

Tyrone Township CM

Submission ID
20153

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	8:13:00 AM	8/18/2018	10:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000015		

Location: 10200 blk of Carmer Rd, Tyrone Twp, Fenton 48430

Reason: failure of the coupling connecting lateral sewer to forcemain.

Totals **Tyrone Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000015		

County Totals **Genesee**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.006515		5.42195

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Gogebic

Bessemer CM

Bessemer CM

Submission ID
19715

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/15/2018	10:00:00 AM	6/17/2018	10:00:00 PM

Rain(IN) = 8
Waterbody: Black River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		unspecified

Reason: heavy rainfall

Bessemer CM

Submission ID
19916

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/28/2018	12:01:00 AM	8/28/2018	12:00:00 PM

Rain(IN) = 2.83
Waterbody: Black River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		unspecified

Reason: Heavy rain event

Totals Bessemer CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Ironwood Charter Township CM

Ironwood Charter Township CM

Submission ID
19761

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/15/2018	9:00:00 AM	6/15/2018	6:00:00 PM

Rain(IN) = 8
Waterbody: Welch`s Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0378

Reason: heavy rain fall

Totals Ironwood Charter Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.03780

Wakefield CM

Wakefield CM

Submission ID
20055

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	2:00:00 AM	10/10/2018	2:50:00 PM

Rain(IN) = 5

MI0021440

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.36

Location: Lift Station #1, County Rd 566

Reason: excessive rain

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Wakefield CM			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
				.36000

County Totals	Gogebic			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
				0.3978

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Grand Traverse

Grand Traverse County DPW

Grand Traverse County DPW

Submission ID
19429

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/13/2018	6:00:00 PM	3/14/2018	12:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0008		

Location: U.S. 31 N and Shore Rd.

Reason: Thrid Party (Miller Pipeline Co) was installing pipeline and hit a gravity sewer operated by GT County.

EGLE Action: Followed up and sewage was contained to excavated hole and vac trucked out.

Grand Traverse County DPW

Submission ID
19677

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/22/2018	5:00:00 PM	5/22/2018	7:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01		

Reason: Force main break

Totals Grand Traverse County DPW

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0108		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Traverse City CM

Traverse City CM

Submission ID
19243

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/15/2018	10:45:00 AM	1/15/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Location: Intersection of Woodmere Ave. and Boon St.

Reason: Blockage in the main sewer

EGLE Action: Pipe blockage was removed and area was limed and cleaned

Traverse City CM

Submission ID
19284

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/10/2018	8:00:00 PM	2/10/2018	10:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Location: 2401 US 31 South, Traverse City

Reason: Food grease plugged the sewer main

EGLE Action: Pipe blockage was removed and area was limed and cleaned

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Traverse City CM

Submission ID
19698

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/8/2018	8:33:00 AM	6/8/2018	8:45:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000025		

Reason: Contractor damaged a privated pressure sewer lead in front of a single home and some raw sewage leaked and ran down a curb into a catch basin

EGLE Action: Followed up and acknowldeged response was handled correctly

Traverse City CM

Submission ID
19755

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/28/2018	5:45:00 PM	6/28/2018	6:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Location: 125 E South Airport Rd

Reason: Pump failure at private lift station for COSTCO parking lot

EGLE Action: , enfocement discretion used, as pump failure caused very small leak from private sewer on COSCO parking lot

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Traverse City CM

Submission ID
19871

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/2/2018	2:00:00 PM	8/2/2018	10:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000075		

Location: Aero Park Drive

Reason: Contractor hit a sanitary pressure sewer

EGLE Action: Documented spill, lime was applied and spill was cleaned up.

Traverse City CM

Submission ID
19886

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/7/2018	9:30:00 AM	8/7/2018	10:30:00 AM

Waterbody: Boardman River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

Location: 400 Boardman Avenue

Reason: Sewer line was plugged with rags and it backed up sewer through manhole

EGLE Action: Pipe blockage was removed and area was limed and cleaned

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Traverse City CM

Submission ID
HNK-48SN-47R8X

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/15/2018	7:30:00 PM	12/15/2018	8:15:00 PM

Costco Lift Stati

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000025		

Location: Costco Private Lift Station

Reason: Pump Failure at Cosco's Lift Station

EGLE Action: Reviewed and appropriate action taken by system owner

Traverse City CM

Submission ID
HNK-4BQN-QVTJX

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/17/2018	11:35:00 AM	12/17/2018	12:00:00 PM

3112a-0890

Waterbody: Kids Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: Cedar St Sanitary Main

Reason: Sewage was discharging from a manhole at the intersection of 6th and Cedar st. The main sewer was found to be block by grease and general sanitary debris

EGLE Action: Reviewed with Health Department and fecal testing is not required due to winter weather and size of discharge. City is working with IPP to prevent future grease plugs.

Totals Traverse City CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001315		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

County Totals	Grand Traverse			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.012115		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Hillsdale

Hillsdale CM

Hillsdale CM

Submission ID
19263

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/23/2018	6:00:00 PM	1/24/2018	3:00:00 PM

Waterbody: St. Joe River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.005		

Location: Manhole east and south of manhole 2563 in dirt parking lot for bike path

Reason: Rags/debris blocking the sewer line. There was a sheet in the vactor truck after jetting of the line.

Hillsdale CM

Submission ID
19438

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/24/2018	1:30:00 PM	3/24/2018	3:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

Location: Manhole 1829

Reason: Sewer line blocked by grease caused overflow at manhole 1829. Overflowed to grassy area near the manhole.

EGLE Action: Approve of action

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Hillsdale CM

Submission ID
20185

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/29/2018	6:00:00 AM	11/30/2018	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05		

Location: Manhole 2259.

Reason: Grease blocking the sewer line

Totals Hillsdale CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05525		

Jefferson Township CM-Hillsdale Co

Jefferson Township CM-Hillsdale Co

Submission ID
19819

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/11/2018	2:30:00 PM	7/11/2018	3:45:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.008		

Reason: Contractor hit and broke off air release valve below shut off valve resulting in release from 2" open pipe.

EGLE Action: Reviewed

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Jefferson Township CM-Hillsdale Co			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.008		

County Totals	Hillsdale			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.06325		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Houghton

Hancock CM

Hancock CM

Submission ID
19710

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/17/2018	3:00:00 AM	6/17/2018	4:00:00 PM

Waterbody: Portage Canal

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.5

Location: manhole 15

Reason: heavy rain, assumed manhole overflows from interceptor along Navy Street from Birch St east and known SSO at MH15. MHA4 47 7'37.24 88 36' 32.58. MHA3 47 7' 36 83 88 36'27.99 MH22 47 7' 25.85 88 35'46.42

Totals Hancock CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.50000

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Houghton CM

Houghton CM

Submission ID
19790

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/17/2018	4:00:00 AM	6/19/2018	2:00:00 PM

Rain(IN) = 6
Waterbody: Huron Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01		

Location: Ridge Rd 150 ft north of Razorback Dr

Reason: heavy rain event caused Huron Creek to rise and wash out roadway and 50 feet of sewer main - Ridge Rd approx 150 feet north of Razorback Dr and approx 200 feet south of Frogpool Lane

Houghton CM

Submission ID
19789

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/17/2018	5:00:00 AM	6/22/2018	5:00:00 PM

Rain(IN) = 6
Waterbody: Huron Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05		

Location: Sharon Ave & M26

Reason: heavy rain caused Huron Creek to rise and washout roadway (W. Sharon Ave approx. 200 feet east of M26, 150 feet west of Razorback) and about 30 feet of sewer main.

Totals Houghton CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.06		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

North Houghton Co W&SA CSO

North Houghton Co W&SA CSO

Submission ID
19770

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/17/2018	8:00:00 AM	6/17/2018	2:00:00 PM

Rain(IN) = 4.8

MI0043982

Waterbody: Hammel Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00175

Location: MHs Old Dam St and Osceola Rd

Reason: excessive rain, 2 MHs overflowed and while the system is largely combined sewer our database does not allow adding new CSO locations so I've entered this as SSO event. Overflows were not observed except debris afterward so times are estimates.

North Houghton Co W&SA CSO

Submission ID
19770

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/17/2018	8:00:00 AM	6/17/2018	2:00:00 PM

Rain(IN) = 4.8

MI0043982

Waterbody: Hammel Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00175

Location: MH by Calumet Dam trail

Reason: excessive rain, 2 MHs overflowed and while the system is largely combined sewer our database does not allow adding new CSO locations so I've entered this as SSO event. Overflows were not observed except debris afterward so times are estimates.

Totals North Houghton Co W&SA CSO

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.00350

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Portage Lake Authority WWTP

Portage Lake Authority WWTP

Submission ID
19716

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/17/2018	8:00:00 AM	6/17/2018	2:00:00 PM

Rain(IN) = 6

Waterbody: Portage Canal

MI0020061

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.576

Location: MH34 west of MTU and MH5/18/32A

Reason: excessive rain, overflow locations MH5 outside wwtp gate 47.1102 -88.5227 MH18 on walking trail between MTU an Isle Royale Sands 47.1139 88. 5342 MH32A MTU Facilities bldg 47.1208 -88.5487 MH34 west of MTU Facilties Bldg 47.1211 -88.5506

Totals Portage Lake Authority WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.57600

County Totals Houghton

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.06		1.0795

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Ingham

Delhi Township CM

Delhi Township CM

Submission ID
19737

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/22/2018	11:30:00 AM	6/22/2018	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

Location: MH at 2600 blk Pinetree Rd, Holt

Reason: failure of air relief valve in manhole resulting in discharge to ground

Totals Delhi Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

East Lansing CM

East Lansing CM

Submission ID
19304

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:00:00 AM	2/24/2018	2:15:00 AM

Rain(IN) = 3.22

MI0022853

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		19.4

Location: former CSO outfall 013

Reason: I/I resulting from heavy rainfall and snowmelt exceed capacity of sewer
in NPDES permit

Totals East Lansing CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		19.40000

GM-Lansing Grand RV Assembly

GM-Lansing Grand RV Assembly

Submission ID
19881

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/9/2018	10:00:00 PM	8/10/2018	1:00:00 AM

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000001		

Location: GM Lansing Grand River property

Reason: overflow from sanitary sewer lift station due to plugged downstream sewer. Overflow ran to nearby storm sewer catch basin

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals GM-Lansing Grand RV Assembly

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000001		

Lansing CM

Lansing CM

Submission ID
20150

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/11/2018	1:40:00 AM	8/11/2018	3:45:00 AM

MI0023400

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0233

Location: Regulator 015, E Willow & N Walnut

Reason: BWL crews flushing hydrants during periods of high flow resulting in sewer overflow through CSO regulators

Lansing CM

Submission ID
20150

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/11/2018	1:40:00 AM	8/11/2018	3:45:00 AM

MI0023400

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0109

Location: Regulator 009, N MLK at the Grand River

Reason: BWL crews flushing hydrants during periods of high flow resulting in sewer overflow through CSO regulators

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lansing CM

Submission ID
20150

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/11/2018	1:40:00 AM	8/11/2018	3:45:00 AM

MI0023400

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0112

Location: CSO Regulator 012, Knollwood & Cypress

Reason: BWL crews flushing hydrants during periods of high flow resulting in sewer overflow through CSO regulators

EGLE Action: Negotiating settlement.

Lansing CM

Submission ID
19963

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/23/2018	3:19:00 PM	8/23/2018	4:45:00 PM

MI0023400

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0146		

Location: Riversedge PS

Reason: crews isolated pump station to perform valve replacement but because it took longer than anticipated upstream manhole overflowed before repair was completed.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lansing CM

Submission ID
20149

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/19/2018	9:34:00 AM	9/19/2018	10:24:00 AM

Waterbody: Grand River

MI0023400

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.025

Location: CSO Regulator 024, Lenawee St east of Grand Ave.

Reason: contractor was flushing a hydrant which cause overflow from CSO regulator 024

EGLE Action: Negotiating settlement.

Totals Lansing CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0146		.07040

Lansing WWTP

Lansing WWTP

Submission ID
19359

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:00:00 AM	2/21/2018	7:00:00 AM

Rain(IN) = 3.38

Waterbody: Grand River

MI0023400

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.114

Reason: capacity of system exceeded due to I/I from heavy rainfall and snowmelt event

EGLE Action: Entered an Administrative Consent Order

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19359

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:00:00 AM	2/21/2018	4:45:00 AM

Rain(IN) = 3.38

MI0023400

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.621

Location: Tecumseh River PS, 3850 Tecumesh River Dr, Lansing

Reason: capacity of system exceeded due to I/I from heavy rainfall and snowmelt event

Lansing WWTP

Submission ID
19359

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	2:00:00 PM	2/24/2018	9:00:00 PM

Rain(IN) = 3.38

MI0023400

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		37.39

Location: Harton St Pumping Station

Reason: capacity of system exceeded due to I/I from heavy rainfall and snowmelt event

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lansing WWTP

Submission ID
19952

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/3/2018	5:00:00 PM	7/3/2018	5:30:00 PM

MI0023400

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

Location: WWTP 1625 Sunset, Lansing

Reason: grit chamber at wwtp overflowed

Lansing WWTP

Submission ID
19953

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/23/2018	1:30:00 PM	7/23/2018	3:30:00 PM

MI0023400

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.297		

Location: WWTP 1625 Sunset, Lansing

Reason: wet well effluent pipe & valve failure at the raw sewer pump station at the WWTP failed. Overflowed around the building and to the river.

Totals Lansing WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.2973		38.12500

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Williamston CM

Williamston CM

Submission ID
20143

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/6/2018	1:30:00 PM	12/6/2018	1:35:00 PM

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: High St LS (804 High St, Williamston)

Reason: crews responded to power failure at a lift station used vactor to pump down wet well. Discharge was due to the hydraulic lock on the vactor truck tank disengaged and spilled contents on the ground.

Totals Williamston CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

County Totals Ingham

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.313201		57.5954

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Ionia

Lake Odessa CM

Lake Odessa CM

Submission ID
20021

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/2/2018	2:26:00 AM	10/2/2018	5:10:00 AM

Rain(IN) = 3.7

Waterbody: Jordan Lake

MI0042978

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0082		

Location: PS-#12 (1619 Jordan Lake Street, Lake Odessa)

Reason: Heavy rains caused a backup of flow at Pump Station #16 causing an overflow of the grit channel at 1619 Jordan Lake Rd (the old PS#12).

EGLE Action: at this time, Will investigate alarm system

Totals Lake Odessa CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0082		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lakewood WW Auth CM

Lakewood WW Auth CM

Submission ID
19442

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:42:00 AM	2/20/2018	11:03:00 AM

Rain(IN) = 3.1

MI0042978

Waterbody: Woodland Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.44025		

Location: PS-#11 (5555 Woodland Rd, Woodland)

Reason: Heavy rain and snowmelt overwhelmed the collection system and the system overflowed at Woodland Rd Lift Station.

EGLE Action: We are working with the Authority to work through the upgrade.

Lakewood WW Auth CM

Submission ID
19443

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	11:39:00 AM	2/21/2018	1:00:00 PM

Rain(IN) = 3.1

MI0042978

Waterbody: Jordan Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.154		

Location: PS-#12 (1619 Jordan Lake Street, Lake Odessa)

Reason: Due to heavy rain and snowmelt the collection system was overwhelmed and sewage discharged from the Jordan Lake St Lift station and a manhole in an alley.

EGLE Action: at this time, Will investigate alarm system

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lakewood WW Auth CM

Submission ID
19443

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:41:00 PM	2/21/2018	12:11:00 AM

Rain(IN) = 3.1

Waterbody: Jordan Lake

MI0042978

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.055		

Reason: Due to heavy rain and snowmelt the collection system was overwhelmed and sewage discharged from the Jordan Lake St Lift station and a manhole in an alley.

Lakewood WW Auth CM

Submission ID
19441

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/15/2018	7:14:00 AM	3/15/2018	7:27:00 AM

MI0042978

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0002		

Location: PS-#18 (2367 Bonanza Rd)

Reason: A bypass valve was leaking at the Bonanza Lift Station (LS#18).

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lakewood WW Auth CM

Submission ID
19885

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/14/2018	2:04:00 PM	8/14/2018	2:09:00 PM

MI0042978

Waterbody: Little Thornapple River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000002		

Location: WWTP-13751 Harwood Rd

Reason: An air release on the force main located approximately 200 yards north of the WWTP driveway leaked allowing a minor discharge to the ground around the manhole.

EGLE Action: We are working with the Authority to work through the upgrade.

Totals Lakewood WW Auth CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.649452		

Portland CM

Portland CM

Submission ID
19350

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/13/2018	10:04:00 AM	2/13/2018	10:46:00 AM

Waterbody: Looking Glass River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.005		

Location: Burger King parking lot (1515 E. Grand River Ave., Portland)

Reason: Blockage in the PVC sewer main line of sand and grit from Shell Station/Carwash.

EGLE Action: needed.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Portland CM			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.005		

County Totals	Ionia			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.662652		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Isabella

Rosebush CM

Rosebush CM

Submission ID
19547

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/19/2018	5:15:00 PM	4/20/2018	9:30:00 AM

Waterbody: unknown

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Reason: Break in force main

EGLE Action: enforcement discretion because new collection system is going to be installed

Rosebush CM

Submission ID
19636

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/7/2018	10:00:00 AM	5/8/2018	9:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: Farm Field between PS 3 and WWSI

Reason: During a directional bore, Isabella Corp nicked the forcemain.

Totals Rosebush CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0011		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

County Totals	Isabella			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0011		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Jackson

Columbia Township CM

Columbia Township CM

Submission ID
20154

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/22/2018	10:40:00 AM	9/22/2018	11:50:00 AM

Waterbody: Lake Columbia

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.006		

Reason: A borken tapping saddle for a residential grinder can connection to the 16-inch transmission force main.

Totals Columbia Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.006		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Leoni Township CM

Leoni Township CM

Submission ID
19816

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/3/2018	7:00:00 AM	7/3/2018	9:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00025

Location: Leoni WWTP Septage Receiving Station

Reason: Clogged pump at septage receiving station caused overflow to ground at WWTP. Alarm float failed as well.

EGLE Action: Discussed and approved corrective actions.

Totals Leoni Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.00025

Spring Arbor Township CM

Spring Arbor Township CM

Submission ID
20184

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	12:20:00 PM	11/6/2018	12:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.002	

Location: Maci Blvd and Dearing Rd in Spring Arbor Township

Reason: unknown power event causing lift station controls to fault and lock out, combined with high influent and small holding capacity at station.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Spring Arbor Township CM			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			0.002	

County Totals	Jackson			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.006	0.002	0.00025

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Kalamazoo

Comstock Township CM

Comstock Township CM

Submission ID
20127

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/1/2018	2:00:00 PM	12/2/2018	1:30:00 AM

Rain(IN) = 0.31
Waterbody: Kalamazoo River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0063		

Reason: Grease and rags caused sewage to back up creating an overflow condition.

Totals Comstock Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0063		

Kalamazoo CM

Kalamazoo CM

Submission ID
19393

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/26/2018	10:45:00 AM	2/26/2018	12:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Reason: A combination of grease and build-up in the sewer pipe caused sewage to back up, creating an overflow incident.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Kalamazoo CM

Submission ID
19435

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/20/2018	8:15:00 PM	3/20/2018	10:15:00 PM

Waterbody: State Ditch & Branch Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00036		

Reason: Debris build-up in the sewer pip caused sewage to back-up creating an overflow incident.

Kalamazoo CM

Submission ID
19605

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	11:00:00 AM	5/9/2018	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0009		

Reason: Installation of a utility pole damage to the sanitary sewer pipe allowing debris and soil into the pipe,

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Kalamazoo CM

Submission ID
20117

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/23/2018	10:45:00 AM	11/23/2018	11:45:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

Reason: Tree roots caused sewage to back up creating an overflow incident.

Kalamazoo CM

Submission ID
20125

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/29/2018	12:47:00 PM	11/29/2018	2:20:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0015		

Reason: Vandalism: Crew found clothing items and a notepad when cleaning out blockage. The debris caused sewage to back up, causing an overflow incident.

Totals Kalamazoo CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00311		

County Totals Kalamazoo

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00941		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Kent

Byron-Gaines Utility Authority CM

Byron-Gaines Utility Authority CM

Submission ID
HNN-J3KS-58J1J

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/6/2018	1:46:00 PM	3/26/2019	7:00:00 PM

Waterbody: N/A

P41001531

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.096		

Location: a manhole just south of 68th Street

Reason: This is on a commercial construction site, where a new public sanitary sewer main is under construction. A plug was left in a manhole, causing a back up of water/sewage from the job site.; Discharge was clear water coming from a manhole cover.

EGLE Action: Addressed by compliance communication CC-001900.

Totals Byron-Gaines Utility Authority CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.096		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Caledonia Township CM-Kent Co

Caledonia Township CM-Kent Co

Submission ID
19597

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/27/2018	2:00:00 PM	5/4/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00045		

Location: 1,850 East of Cherry Meadow Drive Cul-de-sac

Reason: Leaking joint on ductile iron force main. Event start date recorded was the time that staff suspected there was a problem. Actual start date unknown.

EGLE Action: at this time.

Caledonia Township CM-Kent Co

Submission ID
19603

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/8/2018	5:50:00 PM	5/8/2018	6:25:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0002		

Reason: Failue of an elbow in the grinder station force main.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Caledonia Township CM-Kent Co

Submission ID
19744

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/23/2018	4:30:00 PM	6/25/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

Reason: Failure of a wye fitting on the force main.

EGLE Action: at this time.

Totals Caledonia Township CM-Kent Co

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0009		

Grand Rapids CM

Grand Rapids CM

Submission ID
19255

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/16/2018	5:00:00 PM	1/16/2018	5:15:00 PM

MI0026069

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Location: 1040 Market Ave, Grand Rapids

Reason: Partially opened valves allowed sludge from the Grand Valley Regional Biosolids facility to back up into a force main under construction, pushing out final effluent wastewater that had been in the pipe to pressure test it.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Grand Rapids CM

Submission ID
19281

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/2/2018	2:00:00 PM	2/2/2018	2:45:00 PM

MI0026069

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Reason: Sewer backed up into a sanitary manhole due to a grease blockage.

Grand Rapids CM

Submission ID
19450

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/2/2018	9:30:00 AM	4/2/2018	11:00:00 AM

MI0026069

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000045		

Reason: Roots rags and grease caused a blockage in the sewer main that resulted in an overflow at the manhole.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Grand Rapids CM

Submission ID
19542

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/20/2018	11:00:00 AM	4/20/2018	11:10:00 AM

MI0026069

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000015		

Location: E. Beltline & Leonard Lift Station; Grand Rapids Twp

Reason: A leak in the force main at the East Beltline and Leonard lift station failed and leaked sewage to the ground, sidewalk and road surface.

Grand Rapids CM

Submission ID
19768

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	11:50:00 PM	6/28/2018	8:00:00 AM

MI0026069

Waterbody: Nolan Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0041		

Location: 3 Mile and Fruit Ridge Ave, NW, Walker

Reason: The force man failed resulting in the release of sewage to Nolan Drain

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Grand Rapids CM

Submission ID
19863

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	12:10:00 PM	8/1/2018	12:34:00 PM

MI0026069

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Location: 943 Market Avenue, GR

Reason: The globe valve in the air release chamber was left open after performing corrective maintenance to the force main.

Grand Rapids CM

Submission ID
19951

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/6/2018	5:15:00 PM	9/6/2018	6:05:00 PM

MI0026069

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Location: 4284 Broadmoor SE, Kentwood

Reason: A blockage in the line at Manhole #17501 resulted in an overflow to the ground.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Grand Rapids CM

Submission ID
20022

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	2:30:00 PM	9/20/2018	3:25:00 PM

MI0026069

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00036		

Location: 2727 Michigan St NE (manhole #13172)

Reason: There was a root mass and rotomillings at the base of the manhole that resulted in a backup and subsequent overflow out of a manhole.

Grand Rapids CM

Submission ID
20079

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/29/2018	12:40:00 PM	10/29/2018	2:40:00 PM

MI0026069

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

Location: 1033 Freeman Ave (near CSX railroad tracks)

Reason: The sewer lateral is partially collapsed resulting in an overflow from the manhole.to the surrounding ground. The lateral needs to be replaced.

EGLE Action: needed

Totals Grand Rapids CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00465	0.0001	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Kentwood CM

Kentwood CM

Submission ID
20106

MI0026069

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/5/2018	10:17:00 AM	11/5/2018	1:10:00 PM

Waterbody: Plaster Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000531		

Location: 3395 Breton Ave SE, Kentwood

Reason: The pipe cracked at the connection to manhole #16826 near Plaster Creek and released sewage. In addition, the sewage was blue in color and that color was observed in Plaster Creek and in the influent and primary clarifiers of the WWTP.

Totals Kentwood CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000531		

Lowell CM

Lowell CM

Submission ID
19374

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/22/2018	4:00:00 PM	2/28/2018	2:00:00 PM

Rain(IN) = 3

Waterbody: Grand River via Flat River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		9.55

Location: 115 S. Broadway at RR Tracks

Reason: 3" rain event that melted 1" snow over frozen ground, causing Grand River to flood. Sanitary sewers were supercharged beyond WWTP capacity. Pumping was necessary to prevent basement backups. The river level went from approximately 7 ft to 18.2

EGLE Action: needed

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lowell CM

Submission ID
19374

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/23/2018	2:40:00 PM	3/1/2018	8:00:00 AM

Rain(IN) = 3

Waterbody: Grand River via Flat River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		9.55

Location: Lift Station behind Rec Park Ball Field

Reason: 3" rain event that melted 1" snow over frozen ground, causing Grand River to flood. Sanitary sewers were supercharged beyond WWTP capacity. Pumping was necessary to prevent basement backups. The river level went from approximately 7 ft to 18.2

EGLE Action: needed

Totals Lowell CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		19.10000

Sparta CM

Sparta CM

Submission ID
19650

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/17/2018	7:28:00 PM	5/17/2018	8:10:00 PM

MI0020478

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.003		

Location: 560 E. Division - Buth lift station

Reason: Lift station was not running. Manhole overflowed to county ditch. Alarms failed to call out. Sewage was contained and diluted by standing water in county ditch due to plugged ditch. Apparent power glitch at surrounding businesses as well.

EGLE Action: Corrective action acceptable.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Sparta CM

Submission ID
19911

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	1:45:00 PM	8/27/2018	2:02:00 PM

Rain(IN) = 3.5

MI0020478

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.003		

Location: 560 E. Division - Buth lift station

Reason: Buth lift station failure. Pumps and programmable logic controller were knocked out by an electrical storm. Alarms did not call out.

EGLE Action: Corrective action acceptable.

Totals Sparta CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.006		

Wyoming CM

Wyoming CM

Submission ID
19838

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/26/2018	8:00:00 AM	7/26/2018	9:49:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0005		

Location: Wilson Ave between 44th St and 52nd St

Reason: Broken forcemain on the discharge side of a Wilson Ave lift station. Southbound lane in front of the Costco store. Impacted area was road surface and one catch basin. Lasted 2 pump cycles (6 minutes total). Flow stopped by 9:49 a.m.

EGLE Action: Event reviewed and corrective actions are acceptable.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Wyoming CM			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0005		

County Totals	Kent			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.108581	0.0001	19.1

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Keweenaw

Keweenaw Co-Mt H Greeley WWSL

Keweenaw Co-Mt H Greeley WWSL

Submission ID
19814

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/4/2018	7:47:00 PM	5/4/2018	9:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0005	

Location: Lake Dr

Reason: power failure resulting in discharge of septic tank effluent

Totals Keweenaw Co-Mt H Greeley WWSL

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0005	

County Totals Keweenaw

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0005	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lapeer

Deerfield Pines MHC

Deerfield Pines MHC

Submission ID
20151

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/21/2018	4:45:00 PM	11/21/2018	7:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Location: 47 Aspen Ct, North Branch, MI 48461 (Deerfield Pines MHC)

Reason: power failure at pump station resulting in backup and overflow at low point in system

Totals Deerfield Pines MHC

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

County Totals Lapeer

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Leelanau

Leland Township CM

Leland Township CM

Submission ID
19596

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/2/2018	11:00:00 AM	5/2/2018	11:35:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Location: Falling Waters Lodge - Leland

Reason: Electrician working in Lodge caused over voltage to septic system controls and dosing pump (STEP pump) so that they failed to work and dosing tank (STEP chamber) overflowed.

Totals Leland Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0001	

Northport WWTP

Northport WWTP

Submission ID
19772

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/5/2018	12:00:00 AM	7/5/2018	9:00:00 AM

GW1810138

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Location: Northport Point Road

Reason: Lift station controller error/failure prevented pumps from turning on and prevented high alarm from being recognized, Northport Point Road Lift Station overflowed onto ground around station.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Northport WWTP		
	Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00015		

County Totals	Leelanau		
	Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00015	0.0001	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lenawee

Cambridge Township CM

Cambridge Township CM

Submission ID
19766

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/31/2018	8:10:00 PM	5/31/2018	10:15:00 PM

Waterbody: NA

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Reason: PVC joint failure

Totals Cambridge Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Fairfield Twp WWSL-Jasper

Fairfield Twp WWSL-Jasper

Submission ID
20183

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	12:15:00 PM	10/6/2018	2:30:00 PM

Rain(IN) = 2.98

Waterbody: Walker County Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.004		

Location: Manhole structure at entrance to lagoon site

Reason: Plugged sewer main

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Fairfield Twp WWSL-Jasper			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.004		

County Totals	Lenawee			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0041		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Livingston

Brighton Township CM

Brighton Township CM

Submission ID
19258

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/25/2018	12:01:00 AM	1/25/2018	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

Location: 9984 Grand River, Brighton Twp

Reason: sewer plugged with grease resulting in overflow

Brighton Township CM

Submission ID
19955

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/16/2018	1:00:00 PM	8/16/2018	1:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0005		

Reason: pipe crack at flushing connection allowed wastewater to leak into ground

Totals Brighton Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00075		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Diamond Glen Condominium

Diamond Glen Condominium

Submission ID
19270

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/19/2018	12:40:00 PM	1/19/2018	2:00:00 PM

GW1610085

Waterbody: strorm sewer to onsite retention pond

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01	

Location: Flow splitting MH, 100' w of Gem Dr & Ruby Ln

Reason: septic tank effluent discharged due to separated pipe at flow splitting MH on forcemain prior to entering the treatment facility.

Totals Diamond Glen Condominium

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01	

Hamburg Township CM

Hamburg Township CM

Submission ID
19822

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/18/2018	12:00:00 PM	7/18/2018	12:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0005		

Location: NE Merrill & Strawberry Lk Rd

Reason: sewer line was broken by a DTE contractor boring a utility pole

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **Hamburg Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0005		

Howell CM

Howell CM

Submission ID
19802

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	12:30:00 PM	2/21/2018	1:15:00 PM

Rain(IN) = 3.2
Waterbody: Marion-Genoa Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.387

Location: MH on Pulford St

Reason: Overflow due to unusually heavy rainfall event. Treatment plant could not handle the increased flow which then backed up into main line and discharged

Totals **Howell CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.38700

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Joc-Huntmore Estates Condo

Joc-Huntmore Estates Condo

Submission ID
20152

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/25/2018	12:00:00 AM	11/25/2018	6:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0005		

Location: 200 blk Shinnecock at Huntmore Estates

Reason: mechanical failure in air relief manhole allowed wastewater to fill manhole a spill onto ground.

Totals Joc-Huntmore Estates Condo

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0005		

MDOC - Woodland Center Correctional Facility

MDOC - Woodland Center Correctional Facility

Submission ID
19837

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/23/2018	2:45:00 PM	7/23/2018	6:15:00 PM

Waterbody: unnamed pond

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0002		

Location: 9036 E M36

Reason: plugged sewer line from facility resulting in discharge

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **MDOC - Woodland Center Correctional Facility**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0002		

Northfield Township CM

Northfield Township CM

Submission ID
19437

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/22/2018	12:00:00 AM	3/23/2018	9:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: End of S. Horseshoe Blvd off of Six Mile Rd

Reason: Unknown start time. Blockage in sewer line caused overflow to ground area at end of S. Horseshoe Blvd. 100 square foot area impacted

EGLE Action: Reviewed actions

Totals **Northfield Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Sylvan Glen Mobile Estates

Sylvan Glen Mobile Estates

Submission ID
19954

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/5/2018	8:00:00 PM	9/5/2018	9:00:00 PM

GW1810204

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Reason: plugged sewer line resulting in overflow

Sylvan Glen Mobile Estates

Submission ID
20041

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/5/2018	10:30:00 AM	10/5/2018	11:00:00 AM

GW1810204

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000005		

Reason: discharge from cleanout line when cap was removed to jet the plugged line

Totals Sylvan Glen Mobile Estates

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000015		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

County Totals	Livingston			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.002965	0.01	0.387

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Macomb

Clinton Township CM

Clinton Township CM

Submission ID
19283

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/9/2018	3:21:00 PM	2/9/2018	3:51:00 PM

Waterbody: clinton river

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.07		

Location: 35541 Golden & Danbury

Reason: Accidental discharge during construction project

EGLE Action: ACO

Sixth Amended Administration Consent Order, AFO-SW10-007. On or before December 31, 2017, the Township shall complete construction of the approved alternative

Totals Clinton Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.07		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Martin RTB

Martin RTB

Submission ID
19320

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	12:40:00 AM	2/22/2018	2:30:00 AM

Rain(IN) = 2.27

MI0025453

Waterbody: Lake St. Clair

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	153.3	

Location: 001 Martin Retention Treatment Basin

Reason: RTB Permitted & Treated. Heavy rain, significant accumulated melting, frozen saturated ground.

EGLE Action: A Water Quality Evaluation Study was conducted by the facility in 2007. DEQ has approved the report that concluded the discharge meets water quality standards at times of discharge and is protective of public health.

Martin RTB

Submission ID
19466

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/4/2018	12:01:00 AM	4/4/2018	8:43:00 AM

Rain(IN) = 1.06

MI0025453

Waterbody: Lake St. Clair

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.9	

Location: 001 Martin Retention Treatment Basin

Reason: Rain and Runoff

EGLE Action: A Water Quality Evaluation Study was conducted by the facility in 2007. DEQ has approved the report that concluded the discharge meets water quality standards at times of discharge and is protective of public health.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Martin RTB

Submission ID
19484

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	2:00:00 PM	4/16/2018	5:45:00 PM

Rain(IN) = 2.82

MI0025453

Waterbody: Lake St. Clair

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	133.4	

Location: 001 Martin Retention Treatment Basin

Reason: Rain and Runoff

EGLE Action: A Water Quality Evaluation Study was conducted by the facility in 2007. DEQ has approved the report that concluded the discharge meets water quality standards at times of discharge and is protective of public health.

Martin RTB

Submission ID
19615

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	4:55:00 AM	5/14/2018	12:32:00 AM

Rain(IN) = 2.32

MI0025453

Waterbody: Lake St. Clair

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	128.5	

Location: 001 Martin Retention Treatment Basin

Reason: Rain and Runoff

EGLE Action: A Water Quality Evaluation Study was conducted by the facility in 2007. DEQ has approved the report that concluded the discharge meets water quality standards at times of discharge and is protective of public health.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Martin RTB

Submission ID
19749

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/27/2018	5:50:00 PM	6/28/2018	12:17:00 AM

Rain(IN) = 2

MI0025453

Waterbody: Lake St. Clair

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	12.7	

Location: 001 Martin Retention Treatment Basin

Reason: Rain and Runoff

EGLE Action: A Water Quality Evaluation Study was conducted by the facility in 2007. DEQ has approved the report that concluded the discharge meets water quality standards at times of discharge and is protective of public health.

Martin RTB

Submission ID
19979

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	10:20:00 PM	9/26/2018	5:27:00 AM

Rain(IN) = 2.22

MI0025453

Waterbody: Lake St. Clair

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	18.3	

Location: 001 Martin Retention Treatment Basin

Reason: excessive rain

EGLE Action: A Water Quality Evaluation Study was conducted by the facility in 2007. DEQ has approved the report that concluded the discharge meets water quality standards at times of discharge and is protective of public health.

Totals Martin RTB

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	456.1	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Mt Clemens CM

Mt Clemens CM

Submission ID
20060

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/9/2018	10:30:00 AM	10/9/2018	10:40:00 AM

MI0023647

Waterbody: Clinton River Main Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: Belleview and S. Gratiot

Reason: Main sewer blockage caused pump station discharge to back up, and out of manhole. Station was down for repairs, and only pumped a short amount of time to continue repairs.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

Totals Mt Clemens CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Shelby Township CM

Shelby Township CM

Submission ID
HNN-0T2R-MV5PK

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/7/2018	6:18:00 PM	12/8/2018	10:00:00 AM

Waterbody: Land

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.5984		

Location: SW of 26 Mile Rd. & Mound Rd., wooded area

Reason: Tree roots in the sanitary main causing the discharge from a damaged sanitary sewer manhole.

EGLE Action: VN-009264

Reply to VN by 3/29/19. Schedule of Compliance pending.

Shelby Township CM

Submission ID
HNN-0TPM-JFQDC

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	12:00:00 PM	1/16/2019	5:15:00 PM

Waterbody: Cannon Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.048

Reason: A combination of raw sewage and pool flushing water. Sanitary sewer lead connected to onsite storm sewer which ultimately discharges into the Cannon Drain.

EGLE Action: VN-009265

See VN-009265

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **Shelby Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.5984		.04800

Warren WWTP

Warren WWTP

Submission ID
19613

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	12:59:00 PM	5/12/2018	2:30:00 PM

Rain(IN) = 3.51 MI0024295

Waterbody: Red Run Drain (tributary to Clinton River)

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.1

Location: 9 mile PS

Reason: Heavy rain

EGLE Action: NPDES permit contains schedule to eliminate blending

The NPDES permit requires construction of all SSO projects to be completed by April 1, 2022

Totals **Warren WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.10000

County Totals **Macomb**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.6694	456.1	0.148

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Manistee

Filer Township CM

Filer Township CM

Submission ID
19832

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/23/2018	7:00:00 AM	7/23/2018	12:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
unspecified		

Location: Filer Township

Reason: Unknown

Totals Filer Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)

Manistee WWTP

Manistee WWTP

Submission ID
19237

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/11/2018	9:00:00 AM	1/13/2018	8:39:00 PM

Rain(IN) = 0.35 MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.63

Location: 5th Street and Ramsdell St (outfall 018)

Reason:

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Manistee WWTP

Submission ID
19251

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/23/2018	7:06:00 AM	1/24/2018	4:45:00 AM

Rain(IN) = 0.64

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.86

Location: 5th Street and Ramsdell St (outfall 018)

Reason:

Manistee WWTP

Submission ID
19331

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	12:33:00 PM	2/22/2018	2:48:00 AM

Rain(IN) = 0.73

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.57

Location: 5th Street and Ramsdell St (outfall 018)

Reason:

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Manistee WWTP

Submission ID
19498

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	11:30:00 AM	4/14/2018	11:45:00 PM

Rain(IN) = 1.26

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.06

Location: 5th Street and Ramsdell St (outfall 018)

Reason: Hydraulic overload of collection system

Manistee WWTP

Submission ID
19540

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/19/2018	6:54:00 PM	4/21/2018	10:03:00 PM

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.29

Location: 5th Street and Ramsdell St (outfall 018)

Reason: Hydraulic overload of collection system

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Manistee WWTP

Submission ID
19608

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/9/2018	8:03:00 PM	5/9/2018	11:36:00 PM

Rain(IN) = 1.03

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.07

Location: 5th Street and Ramsdell St (outfall 018)

Reason: Hydraulic overload of collection system

Manistee WWTP

Submission ID
19689

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	11:51:00 PM	5/31/2018	3:21:00 AM

Rain(IN) = 1.5

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.23

Location: 5th Street and Ramsdell St (outfall 018)

Reason: Hydraulic overload of collection system

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Manistee WWTP

Submission ID
19723

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/18/2018	8:42:00 AM	6/18/2018	10:15:00 PM

Rain(IN) = 1.65

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.26

Location: 5th Street and Ramsdell St (outfall 018)

Reason: Hydraulic overload of collection system

Manistee WWTP

Submission ID
19825

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/21/2018	10:45:00 AM	7/21/2018	11:33:00 PM

Rain(IN) = 1.23

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.078

Location: 5th Street and Ramsdell St (outfall 018)

Reason: Hydraulic Overload of collection system

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Manistee WWTP

Submission ID
19908

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/27/2018	9:15:00 AM	8/30/2018	1:36:00 AM

Rain(IN) = 3.91

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		5

Location: 5th Street and Ramsdell St (outfall 018)

Reason: Hydraulic overload of collection system

Manistee WWTP

Submission ID
19923

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/2/2018	5:09:00 AM	9/7/2018	12:09:00 PM

Rain(IN) = 3.29

MI0020362

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		3.18

Location: 5th Street and Ramsdell St (outfall 018)

Reason: Hydraulic overload of collection system

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Manistee WWTP

Submission ID
20018

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	10:18:00 PM	10/1/2018	11:06:00 PM

Rain(IN) = 1.01

Waterbody: Manistee Lake

MI0020362

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.015

Location: 5th Street and Ramsdell St (outfall 018)

Reason: Hydraulic Overload of collection system

Totals Manistee WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		15.24300

County Totals Manistee

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		15.243

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Marquette

KI Sawyer WWTP-Marquette Co

KI Sawyer WWTP-Marquette Co

Submission ID
HNK-FZZR-AMW9R

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/30/2018	1:40:00 PM	12/30/2018	2:40:00 PM

Waterbody: na

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01		

Location: Manhole

Reason: Rags caused blockage

EGLE Action: Pending

Totals KI Sawyer WWTP-Marquette Co

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Marquette CM

Marquette CM

Submission ID
19956

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/5/2018	10:00:00 AM	9/5/2018	10:30:00 AM

Rain(IN) = 3.5
Waterbody: Lake Superior

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.001

Location: E Hampton St/Bike Path

Reason: Gravity line surcharge in heavy rain event.

Totals Marquette CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.00100

Michigamme Township CM

Michigamme Township CM

Submission ID
20148

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/6/2018	7:49:00 AM	11/6/2018	9:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.015		

Location: forcemain north of ballfield

Reason: crack in 4 inch forcemain

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Michigamme Township CM			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.015		

County Totals	Marquette			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.025		0.001

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Mecosta

Wheatland Township CM

Wheatland Township CM

Submission ID
19759

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/10/2018	4:00:00 PM	6/11/2018	10:10:00 AM

Rain(IN) = 0.35
Waterbody: Pine Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.2		

Location: 122 S. Fremont Street

Reason: Lift station pumps faulted but the alarm system failed to notify staff. Pump station overflowed directly into a storm sewer through an open valve from the lift station.

Totals Wheatland Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.2		

County Totals Mecosta

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.2		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Midland

Midland CM

Midland CM

Submission ID
20068

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/16/2018	11:30:00 AM	10/16/2018	1:00:00 PM

Waterbody: Tittabawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.009		

Location: Saginaw Rd between Dartmouth Dr and Rodd St

Reason: Broken air release valve on FM

EGLE Action: City is under an ACO already for SSO corrective actions. Construction activity on force main is a part of the corrective program.

Midland CM

Submission ID
20076

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/24/2018	11:30:00 AM	10/24/2018	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

Location: Perrine Rd by Pebble Ck and Letts Rd

Reason: A contractor boring lines for telephone company bored into the City's sanitary sewer forcemain

EGLE Action: City is under an ACO already for SSO corrective actions. Construction activity on force main is a part of the corrective program.

Totals Midland CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0093		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

County Totals	Midland			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0093		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Muskegon

Muskegon Co CM

Muskegon Co CM

Submission ID
19543

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/14/2018	3:00:00 PM	2/14/2018	3:20:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: Operations Maintenance Building, South of Laketon and West of Swanson on WWTP property

Reason: During maintenance, sewage was pumped from a catch basin onto the ground at the WWTP by a new employee who was unaware that this would be an environmental concern.

Muskegon Co CM

Submission ID
19476

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/5/2018	9:00:00 PM	2/5/2018	10:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000015		

Location: Corner of Getty Street and Overbrook

Reason: Air vac malfunction

Totals Muskegon Co CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000115		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Whitehall CM

Whitehall CM

Submission ID
19545

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/5/2018	5:00:00 PM	3/5/2018	10:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Location: 1600 Warner Street

Reason: Force main break

Totals Whitehall CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

County Totals Muskegon

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000145		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Oakland

Birmingham CSO RTB

Birmingham CSO RTB

Submission ID
19505

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/16/2018	4:00:00 PM	4/17/2018	8:17:00 AM

Rain(IN) = 2.5

MI0025534

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.1

Location: manhole in Linden Park in the City of Birmingham near theBirmingham CSO RTB. Location is west of Southfield and north of Lincoln

Reason: Surcharging of the combined sewer system as a result of heavy rain

Totals Birmingham CSO RTB

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.10000

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Commerce Township CM

Commerce Township CM

Submission ID
19285

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/10/2018	4:00:00 PM	2/10/2018	11:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00055		

Reason: ~300-500 gallons (enough to saturate the ground) and ~50 gallons (pooled in driveway and just stayed in place - Never entered the water system) Broken 2" Sanitary Force Main

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

Totals Commerce Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00055		

Evergreen-Farmington CM (Oakland Co)

Evergreen-Farmington CM (Oakland Co)

Submission ID
19342

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:45:00 AM	2/20/2018	2:30:00 PM

Rain(IN) = 1.66
Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.5		

Location: Walnut Lake PS @ 14 mile Road and Inkster Road

Reason: Raw sewage (diluted with surface run-off). Heavy Rains

EGLE Action: Corrective actions are being negotiated with Oakland County.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Evergreen-Farmington CM (Oakland Co)

Submission ID
19348

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	2:00:00 PM	2/21/2018	12:30:00 AM

Rain(IN) = 1.47
Waterbody: River Rouge

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
1.73		

Location: Eight Mile Road between Telegraph and Bridge Ct.

Reason: Raw Sewage (diluted with surface run-off). Heavy Rains caused the safe wet well level at the eight mile road - Muirwood pump station to be exceeded.WRD Staff pumped from 3 manholes into the Rouge River to avoid upsteam basement flooding.

EGLE Action: Corrective actions are being negotiated with Oakland County.

Evergreen-Farmington CM (Oakland Co)

Submission ID
19348

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	2:00:00 PM	2/21/2018	12:01:00 AM

Rain(IN) = 1.47
Waterbody: River Rouge

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
1.65		

Location: Eight Mile Road West of Bridge Court

Reason: Raw Sewage (diluted with surface run-off). Heavy Rains caused the safe wet well level at the eight mile road - Muirwood pump station to be exceeded.WRD Staff pumped from 3 manholes into the Rouge River to avoid upsteam basement flooding.

EGLE Action: Corrective actions are being negotiated with Oakland County.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Evergreen-Farmington CM (Oakland Co)

Submission ID
19348

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	2:00:00 PM	2/21/2018	1:00:00 AM

Rain(IN) = 1.47
Waterbody: River Rouge

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.24		

Location: Eight Mile Road and Berg Road

Reason: Raw Sewage (diluted with surface run-off). Heavy Rains caused the safe wet well level at the eight mile road - Muirwood pump station to be exceeded.WRD Staff pumped from 3 manholes into the Rouge River to avoid upsteam basement flooding.

EGLE Action: Corrective actions are being negotiated with Oakland County.

Evergreen-Farmington CM (Oakland Co)

Submission ID
19897

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	5:00:00 PM	4/16/2018	2:00:00 PM

Rain(IN) = 2.3

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
2.1		

Location: 8 Mile Rd west of Evergreen

Reason: Sewer overflow due to heavy rain

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Evergreen-Farmington CM (Oakland Co)

Submission ID
19526

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	9:25:00 PM	4/16/2018	7:50:00 AM

Rain(IN) = 2.42
Waterbody: River Rouge

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.25

Location: Eight Mile Road and Berg Road

Reason: Heavy Rains caused the safe wet well level at the eight mile road - Muirwood Pump Station to be exceeded. Inorder to prevent upstream basement flooding, WRC staff pumped flow from three manholes upstream of the pump station directly to Rouge Rive

EGLE Action: Corrective actions are being negotiated with Oakland County.

Evergreen-Farmington CM (Oakland Co)

Submission ID
19526

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	9:25:00 PM	4/16/2018	7:45:00 AM

Rain(IN) = 2.42
Waterbody: River Rouge

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.2

Location: Eight Mile Road West of Bridge Court

Reason: Heavy Rains caused the safe wet well level at the eight mile road - Muirwood Pump Station to be exceeded. Inorder to prevent upstream basement flooding, WRC staff pumped flow from three manholes upstream of the pump station directly to Rouge Rive

EGLE Action: Corrective actions are being negotiated with Oakland County.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Evergreen-Farmington CM (Oakland Co)

Submission ID
19526

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/16/2018	1:20:00 AM	4/16/2018	7:58:00 AM

Rain(IN) = 2.42
Waterbody: River Rouge

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.8

Location: Eight Mile Road between Telegraph and Bridge Ct.

Reason: Heavy Rains caused the safe wet well level at the eight mile road - Muirwood Pump Station to be exceeded. Inorder to prevent upstream basement flooding, WRC staff pumped flow from three manholes upstream of the pump station directly to Rouge Rive

EGLE Action: Corrective actions are being negotiated with Oakland County.

Evergreen-Farmington CM (Oakland Co)

Submission ID
19496

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/16/2018	7:30:00 AM	4/16/2018	10:00:00 AM

Rain(IN) = 2.5
Waterbody: Unnamed Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.5

Location: I696 And Middlebelt Road

Reason: Heavy Rainfall caused flows in the EFSDS to increase causing the Middlebelt Transport and Storage Tunnel to fill . When tunnel capacity was reached, it overflowed.

Totals Evergreen-Farmington CM (Oakland Co)

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
6.22		2.75000

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Farmington CM

Farmington CM

Submission ID
19345

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:30:00 PM	2/22/2018	1:30:00 PM

Rain(IN) = 2.05

Waterbody: Upper Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.375	

Location: Nine Mile Road Retention Basin

Reason: Heavy rains and snow melt exceeded the capacity of the wet weather basin.

EGLE Action: VN-004381 issued on 12/16/09 which requires entity to complete PLC upgrades and develop adequate preventative maintenance plan for siphons.

Farmington CM

Submission ID
19506

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/16/2018	3:05:00 PM	4/17/2018	2:50:00 AM

Waterbody: Upper Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.32	

Location: Nine Mile Road Retention Basin

Reason: Heavy rains 2.45" of rain in the last 58 hours and snow meltin last 24 hours exceeded the capacity of the wet weather basin.

EGLE Action: VN-004381 issued on 12/16/09 which requires entity to complete PLC upgrades and develop adequate preventative maintenance plan for siphons.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Farmington CM

Submission ID
19630

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	5:00:00 PM	5/16/2018	3:00:00 AM

Rain(IN) = 3.75
Waterbody: Upper Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.639	

Location: Nine Mile Road Retention Basin

Reason: Heavy rains 2.83" of rain from 5/11/2018 to 1 pm 5/12/2018

EGLE Action: VN-004381 issued on 12/16/09 which requires entity to complete PLC upgrades and develop adequate preventative maintenance plan for siphons.

Totals Farmington CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	12.334	

Farmington Hills CM

Farmington Hills CM

Submission ID
19644

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	7:00:00 AM	5/13/2018	7:00:00 AM

Rain(IN) = 3.17
Waterbody: Minnow Pond Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03		

Location: Kendallwood Retention Basin

Reason: Most likely caused by footing drain connected to the sanitary system. The area received about 2.7" per a local News station.

EGLE Action: ACO-SW05-006, issued 1/21/05 to correct wet weather flow issues.

Entity is in process of certifying that corrective actions meet state requirements.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Farmington Hills CM

Submission ID
19884

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/10/2018	12:01:00 AM	8/13/2018	12:00:00 PM

Waterbody: Minnow Pond Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0009		

Location: Manhole FAT 039207

Reason: Plugged Sewer

EGLE Action: Review of SSO event information determined that no further action is necessary at this time

Farmington Hills CM

Submission ID
20118

SRT_DAY	SRT_TIME	END_DAY	END_TIME
11/25/2018	3:00:00 PM	11/26/2018	1:00:00 PM

Waterbody: storm water detention pond

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0066		

Location: FAT006-162

Reason: Plugged Sewer and Manhole

EGLE Action: Review of SSO event information determined that no further action is necessary at this time

Totals Farmington Hills CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0375		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Independence Township CM

Independence Township CM

Submission ID
19795

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/8/2018	10:40:00 AM	7/8/2018	11:40:00 AM

Waterbody: Deer Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.015		

Location: pump station located on White Lake Road between Deer Lake Road and Depot Road had

Reason: electrical failure at the pump station

Totals Independence Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.015		

Johnson-Gpj/phase 2 Expansion

Johnson-Gpj/phase 2 Expansion

Submission ID
19286

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/7/2018	1:30:00 PM	2/7/2018	3:30:00 PM

Waterbody: Drainage ditch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Location: Corner of Taylor Road and Giddings Road

Reason: Blocked pipe leading out of the facility.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals Johnson-Gpj/phase 2 Expansion

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Novi CM

Novi CM

Submission ID
HNK-CYZ4-PT9X5

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/20/2018	7:30:00 AM	12/20/2018	2:30:00 PM

Rain(IN) = 0.04
Waterbody: Bishop Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.047		

Location: SMH-11730

Reason: Discharge was from a sanitary manhole. SMH-11730. Significant grease blockage found approx. 50 ft upstream of SMH-11734. Sewage odor was noticed around 12/20/18, 7:30 am in area around 26300 Lee Begole Dr. After a detailed search, crews found the

EGLE Action: VN-009266

Totals Novi CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.047		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Oakland Co-Pontiac WWTP

Oakland Co-Pontiac WWTP

Submission ID
19235

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/9/2018	6:15:00 AM	1/9/2018	9:00:00 AM

MI0023825

Waterbody: Clinton River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0025		

Location: MLK Jr. Blvd between Featherstone St. and Clinton River

Reason: Pump discharge pipe failure during bypass pumping operation. A portion of the failure was due to a dislodged ramp covering the discharge pipe across Featherstone St.

EGLE Action: Evaluation of event has determined that no further action is necessary at this time.

Oakland Co-Pontiac WWTP

Submission ID
19439

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/26/2018	3:30:00 PM	3/26/2018	4:30:00 PM

MI0023825

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00075		

Reason: sewer line plugged, Contractor pumped 750 gallons to storm drain.

EGLE Action: VN-004796 issued on 1/12/11 to address reporting violation. Entity adequately responded on 1/31/11.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Oakland Co-Pontiac WWTP

Submission ID
19472

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/4/2018	10:10:00 AM	4/4/2018	10:20:00 AM

MI0023825

Waterbody: Clinton River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: Auburn WWTP

Reason: a vactor truck was unloading into a grit chamber, liquid was accidentally spilled onto the ground and flowed into a storm drain through 2 catchbasins.

EGLE Action: Evaluation of event has determined that no further action is necessary at this time.

Oakland Co-Pontiac WWTP

Submission ID
19641

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/10/2018	12:45:00 PM	5/10/2018	1:50:00 PM

MI0023825

Waterbody: Clinton River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

Location: 790 Featherstone (POT109117)

Reason: Blocked sewer line. Observed at 12:45. heading into storm drain.

EGLE Action: VN-004796 issued on 1/12/11 to address reporting violation. Entity adequately responded on 1/31/11.

Totals Oakland Co-Pontiac WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00337		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Oakland Township CM

Oakland Township CM

Submission ID
19793

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/7/2018	9:00:00 PM	7/8/2018	12:01:00 AM

Waterbody: Paint Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0018		

Location: OAT108107 and OAT108106

Reason: Plug sewer caused two manholes (OAT108107 and OAT108106, Note OAT 108105 is buried) to overflow. That overflow flowed into the creek next to the manholes.

EGLE Action: Evaluation of event has determined that no further action is necessary at this time.

Totals Oakland Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0018		

Orchard Lake Village CM

Orchard Lake Village CM

Submission ID
19943

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/6/2018	4:40:00 PM	9/6/2018	5:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: Old Orchard Trail PS

Reason: An Air Release Valve on the force main broke. The Old Orchard Trail Pump Station was shut down and the line was drained back to replace a failed coupling.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals Orchard Lake Village CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Oxford Township CM

Oxford Township CM

Submission ID
19462

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	10:00:00 AM	4/3/2018	10:45:00 AM

Waterbody: Storm water retention pond

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: M-24 and Indian Lake Road

Reason: Sewer plugged with Grease

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

Oxford Township CM

Submission ID
19896

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/22/2018	10:00:00 PM	8/22/2018	11:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0002		

Location: Between Edith St LS & MH OXT109-110

Reason: Stress Crack in 6" asbestos-cement sanitary pipe.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **Oxford Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0012		

Pontiac CM

Pontiac CM

Submission ID
20066

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/7/2018	6:36:00 PM	10/7/2018	9:30:00 PM

MI0023825

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: 83 Ridgemont DrivePontiac

Reason: Grease plugged line. Sump pump discharged sewage to ground surface.

Totals **Pontiac CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Rochester CM

Rochester CM

Submission ID
19271

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/3/2018	11:00:00 AM	2/3/2018	1:00:00 PM

Waterbody: Paint Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.005		

Location: 613 N Main

Reason: Plugged mainline sewer

EGLE Action: Review of SSO event determined that no further action is necessary at this time.

Totals Rochester CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.005		

Rochester Hills CM

Rochester Hills CM

Submission ID
19562

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/26/2018	4:00:00 PM	4/26/2018	6:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Reason: Broken sanitary sewer main

EGLE Action: Review of the SSO event information determined that no further action is necessary at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals Rochester Hills CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Southfield CM

Southfield CM

Submission ID
19999

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	7:05:00 AM	2/21/2018	1:40:00 PM

Rain(IN) = 1.93

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
10.4		

Location: 8 Mile Rd west of Evergreen

Reason: Sewer overflow due to heavy rain

Southfield CM

Submission ID
19998

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	7:45:00 AM	5/12/2018	8:20:00 PM

Rain(IN) = 3.63

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
11.8		

Location: 8 Mile Rd west of Evergreen

Reason: Sewer overflow due to heavy rain

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals Southfield CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
22.2		

Troy CM

Troy CM

Submission ID
19305

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:30:00 AM	2/20/2018	10:00:00 PM

Rain(IN) = 3
Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.5346

Location: Adams & Wattles

Reason: Diluted Raw Sewage. The Evergreen/Farmington Interceptor was surcharged. Troy pumped our system to prevent basement flooding.

EGLE Action: Corrective action program negotiated with Oakland County - Evergreen Farmington District in 2004. ACO SW05-009 issued on 1/13/2005., Revision to 3rd Amended AFO-SW09-006 issued October 2011

Short term CAP and Long-term CAP (if necessary) schedule included in ACO SW05-009 issued on 1/13/2005.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Troy CM

Submission ID
19305

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:30:00 AM	2/20/2018	10:00:00 PM

Rain(IN) = 3
Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.20328

Location: Beach @ Tarragona

Reason: Diluted Raw Sewage. The Evergreen/Farmington Interceptor was surcharged. Troy pumped our system to prevent basement flooding.

EGLE Action: Corrective action program negotiated with Oakland County - Evergreen Farmington District in 2004. ACO SW05-009 issued on 1/13/2005., Revision to 3rd Amended AFO-SW09-006 issued October 2011

Short term CAP and Long-term CAP (if necessary) schedule included in ACO SW05-009 issued on 1/13/2005.

Troy CM

Submission ID
19305

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	9:30:00 AM	2/20/2018	10:00:00 PM

Rain(IN) = 3
Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.149985

Location: Kent/Binbrook

Reason: Diluted Raw Sewage. The Evergreen/Farmington Interceptor was surcharged. Troy pumped our system to prevent basement flooding.

EGLE Action: Corrective action program negotiated with Oakland County - Evergreen Farmington District in 2004. ACO SW05-009 issued on 1/13/2005., Revision to 3rd Amended AFO-SW09-006 issued October 2011

Short term CAP and Long-term CAP (if necessary) schedule included in ACO SW05-009 issued on 1/13/2005.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Troy CM

Submission ID
19493

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	7:55:00 PM	4/16/2018	12:45:00 PM

Rain(IN) = 2.5
Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.348

Location: Beach @ Tarragona

Reason: Evergreen Farmington Interceptor was surcharged, Pumped to prevent basement flooding.

EGLE Action: Corrective action program negotiated with Oakland County - Evergreen Farmington District in 2004. ACO SW05-009 issued on 1/13/2005., Revision to 3rd Amended AFO-SW09-006 issued October 2011

Short term CAP and Long-term CAP (if necessary) schedule included in ACO SW05-009 issued on 1/13/2005.

Troy CM

Submission ID
19493

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	7:55:00 PM	4/16/2018	12:45:00 PM

Rain(IN) = 2.5
Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.168

Location: Kent/Binbrook

Reason: Evergreen Farmington Interceptor was surcharged, Pumped to prevent basement flooding.

EGLE Action: Corrective action program negotiated with Oakland County - Evergreen Farmington District in 2004. ACO SW05-009 issued on 1/13/2005., Revision to 3rd Amended AFO-SW09-006 issued October 2011

Short term CAP and Long-term CAP (if necessary) schedule included in ACO SW05-009 issued on 1/13/2005.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Troy CM

Submission ID
19493

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	7:55:00 PM	4/16/2018	12:45:00 PM

Rain(IN) = 2.5
Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03

Location: Adams & Wattles

Reason: Evergreen Farmington Interceptor was surcharged, Pumped to prevent basement flooding.

EGLE Action: Corrective action program negotiated with Oakland County - Evergreen Farmington District in 2004. ACO SW05-009 issued on 1/13/2005., Revision to 3rd Amended AFO-SW09-006 issued October 2011

Short term CAP and Long-term CAP (if necessary) schedule included in ACO SW05-009 issued on 1/13/2005.

Totals Troy CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.43387

County Totals Oakland

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
28.53262	12.334	4.283865

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Oceana

Shelby CM

Shelby CM

Submission ID
19950

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/22/2018	8:00:00 AM	4/22/2018	9:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

Reason: Lift station pump failed

Totals Shelby CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Shelby WWTF

Shelby WWTF

Submission ID
HNK-MS2H-JHPA1

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/21/2018	4:30:00 AM	9/21/2018	5:15:00 AM

GW1810137

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0006		

Location: Shelby POTW

Reason: Power Outage/Generator Fail

Totals Shelby WWTF

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0006		

County Totals Oceana

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0009		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Otsego

Trowbridge Mobile Home Park - Otsego

Trowbridge Mobile Home Park - Otsego

Submission ID
19672

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/23/2018	10:00:00 AM	5/23/2018	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

Reason: Ground hogs burrowed into NW corner of drainfield causing a leak.

Totals Trowbridge Mobile Home Park - Otsego

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

County Totals Otsego

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Ottawa

Chester Township CM

Chester Township CM

Submission ID
19910

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/26/2018	8:00:00 PM	8/27/2018	8:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.009		

Location: 19981 Daggett

Reason: Thunderstorms caused a power supply "variation" that froze the control system, preventing the lift station pumps from running. This caused an overflow out of the pump station lid.

Totals Chester Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.009		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Grand Haven Township CM

Grand Haven Township CM

Submission ID
19265

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/18/2018	12:00:00 PM	1/20/2018	10:45:00 AM

Waterbody: unnamed tribuatory to Millhouse Bayou

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.06		

Location: Ferris St & 152nd Ave (2700' west of 152nd)

Reason: The electronic controls a the East Ferris Pump station failed, resulting in an overflow of a manhole. Start date and time estimated based on last pump station check and fill time. Township learned of overflow on 1/20/18 10:08 AM.

Totals Grand Haven Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.06		

Holland CM

Holland CM

Submission ID
19242

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/12/2018	8:38:00 AM	1/12/2018	9:08:00 AM

MI0023108

Waterbody: Maplewood Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0003		

Reason: Grease plugges a local 8" sewer causing an overflow from a manhole. The sewage got into a storm sewer catch basin and discharged to Maplewood Drain.

EGLE Action: needed

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Holland CM

Submission ID
19440

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/11/2018	10:00:00 AM	3/11/2018	10:30:00 AM

MI0023108

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Location: 532 Grove Ave (Grove Lift Station

Reason: A bypass operation in place during a lift station construction broke causing sewage to leak into the excavation pit.

Holland CM

Submission ID
19687

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/28/2018	11:00:00 AM	5/28/2018	12:30:00 PM

MI0023108

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0005		

Location: Waverly Rd and E 48th St.

Reason: Blockage in a sanitary sewer line resulted in a backup from a manhole

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Holland CM

Submission ID
20072

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/20/2018	9:26:00 AM	10/20/2018	9:45:00 AM

MI0023108

Waterbody: Maplewood Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

Reason: The 8" sewer main was blocked by grease. This is the second blockage and overflow caused by grease at this location in the last year.

EGLE Action: needed

Totals Holland CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0011		

Jamestown Township CM-Ottawa Co

Jamestown Township CM-Ottawa Co

Submission ID
19891

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/18/2018	9:00:00 AM	8/20/2018	1:00:00 PM

Waterbody: Rush Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00048		

Location: 2506 Quincy Street

Reason: Sewage bubbling up at roadside 2506 Quincy St. Failure of copper lateral line where it connected to force main due to previous damage (appeared crimped or crushed from 1.5" diameter down to 1" diameter).

EGLE Action: Compliance Communication letter written to Twp., waiting for reply, due by Nov. 15, 2016.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Jamestown Township CM-Ottawa Co

Submission ID
20035

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/1/2018	12:00:00 AM	10/4/2018	4:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0005		

Reason: Resident reported a pump failure. Overflow contained in front yard. Effluent pump filter clogged with leaves apparently carried there at some point via storm water. Circuit breaker cut off power to the pump.

Totals Jamestown Township CM-Ottawa Co

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00098		

Spring Lake Village CM

Spring Lake Village CM

Submission ID
20146

SRT_DAY	SRT_TIME	END_DAY	END_TIME
12/5/2018	11:00:00 AM	12/5/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Reason: A 6" forrce main serving two lift stations broke resulting in a discharge of sewage to the ground.

EGLE Action: needed at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Spring Lake Village CM			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.0001		

County Totals	Ottawa			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.07118		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Roscommon

Denton Township CM

Denton Township CM

Submission ID
20074

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/24/2018	9:45:00 AM	10/24/2018	10:15:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

Location: Nestel and Timberdale

Reason: Plugged sewer line.

Totals Denton Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

County Totals Roscommon

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0001		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Saginaw

Buena Vista Twp WWTP

Buena Vista Twp WWTP

Submission ID
19339

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	6:30:00 AM	2/23/2018	11:00:00 PM

Rain(IN) = 1.76 MI0022497
Waterbody: Gage Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.91	

Location: Storage Basin at WWTP (aka Outfall 002)

Reason: 1.76 inches of rain and 12 inches of snowmelt. Continue to look for I&I sources

EGLE Action: Negotiating ACO with schedule for corrective actions

Buena Vista Twp WWTP

Submission ID
19502

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/16/2018	1:00:00 PM	4/20/2018	7:30:00 AM

Rain(IN) = 2.68 MI0022497
Waterbody: Gage Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.526	

Location: Storage Basin at WWTP (aka Outfall 002)

Reason: Partially Treated Primary Effluent due to excessive rain

EGLE Action: Negotiating ACO with schedule for corrective actions

Totals Buena Vista Twp WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	18.436	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

County Totals	Saginaw			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			18.436	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Sanilac

Croswell WWTP

Croswell WWTP

Submission ID
19899

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/19/2018	9:00:00 AM	8/20/2018	9:00:00 AM

MI0021083

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00075		

Location: 6030 peck Rd Croswell MI 48422

Reason: Mecanical failure. Lost both pumps in the station. One lost a pump bearing and the other a motor winding. Both pumps were working on Friday.

EGLE Action: Fix and Monitor Pumps. A mecanical failure alarm system needs to be installed.

Totals Croswell WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00075		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lexington CM

Lexington CM

Submission ID
19381

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	11:00:00 AM	2/21/2018	5:00:00 PM

Rain(IN) = 2.09
Waterbody: Lake Huron

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.9

Location: main pumping station at Boyington and Washington

Reason: Rain and warm weather that lead to snow melt

EGLE Action: no action at this time

Lexington CM

Submission ID
19504

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/14/2018	2:40:00 PM	4/14/2018	4:15:00 PM

Rain(IN) = 0.5
Waterbody: Lake Huron

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.075

Location: main pumping station at Boyington and Washington

Reason: Large Rain Event and snow melt

EGLE Action: no action at this time

Totals Lexington CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.97500

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

County Totals	Sanilac			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00075		0.975

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Shiawassee

Byron-Shiawassee Co CM

Byron-Shiawassee Co CM

Submission ID
19797

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	9:00:00 AM	5/30/2018	9:20:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01		

Reason: sewer main break

Totals Byron-Shiawassee Co CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01		

Corunna CM

Corunna CM

Submission ID
19728

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	1:00:00 PM	2/21/2018	9:00:00 PM

Rain(IN) = 2.5
Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.365

Location: 701 Pine St, EQ Basin

Reason: heavy rainfall event exceeded capaity of system resulting in discharge from the eqaulization basin

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **Corunna CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.36500

Lake Leslie WWTP

Lake Leslie WWTP

Submission ID
19813

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/24/2018	2:18:00 PM	5/25/2018	9:30:00 AM

MI0059156

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0002	

Location: cleanout at entrance to WWTP, 5085 Leslie Dr, Corunna

Reason: discharge of septic tank effluent due to a broken ball valve at a forcemain cleanout manhole

Totals **Lake Leslie WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.0002	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Owosso CM

Owosso CM

Submission ID
19329

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:30:00 AM	2/23/2018	12:01:00 AM

Rain(IN) = 2.76
Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.25

Location: NW of M-52 bridge over Shiawassee River

Reason: heavy rainfall event resulted in high river elevations and sewer system flows exceeding capacity

EGLE Action: ACO

Owosso CM

Submission ID
19329

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:30:00 AM	2/23/2018	12:01:00 AM

Rain(IN) = 2.76
Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.25

Location: N bank Shiawassee River W of M52 bridge

Reason: heavy rainfall event resulted in high river elevations and sewer system flows exceeding capacity

Totals Owosso CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.50000

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

County Totals	Shiawassee			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01	0.0002	0.865

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

St. Clair

East China Township CM

East China Township CM

Submission ID
19244

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/12/2018	11:45:00 AM	1/12/2018	3:50:00 PM

Waterbody: st clair river

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.07695

Reason: Flooding from the St Clair River was infiltrating the sewer system which cause a sewer system backup

East China Township CM

Submission ID
19245

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/13/2018	12:00:00 AM	1/13/2018	3:00:00 AM

Waterbody: st clair river

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.109012

Reason: Flooding from the St Clair River was infiltrating the sewer system which cause a sewer system backup

Totals East China Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.18596

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Fort Gratiot Township CM

Fort Gratiot Township CM

Submission ID
19602

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/3/2018	12:30:00 PM	5/4/2018	5:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.002

Reason: Crack in 12" force main

Totals Fort Gratiot Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.00200

Marysville CM

Marysville CM

Submission ID
19336

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	4:30:00 AM	2/22/2018	12:30:00 AM

Rain(IN) = 1.67 MI0020656
Waterbody: St. Clair River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.5	

Location: Wet Weather Sta. Huron Blvd & River Rd

Reason: Heavy Rainfall and snow melt. Raw Sewage heavily diluted with rain water - Chlorinated. (Approximately 10% sewage and 90% rain water)

EGLE Action: DCA issued 11/8/2002 to require a PPC submission by October, 2007., DCA issued 11/8/2002 to require a PPC submission for a wet weather storage station by October 2007

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Marysville CM			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			1.5	

County Totals	St. Clair			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			1.5	0.187962

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

St. Joseph

Burr Oak CM

Burr Oak CM

Submission ID
19246

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/21/2018	8:30:00 AM	1/21/2018	10:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0015		

Location: 403 Eagle Street, Burr Oak, MI.

Reason: Power failure from provider and power malfunction on backup generator.

EGLE Action: No further action at this time.

Totals Burr Oak CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0015		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Constantine CM

Constantine CM

Submission ID
19833

SRT_DAY	SRT_TIME	END_DAY	END_TIME
7/23/2018	10:43:00 AM	7/23/2018	1:32:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0015		

Location: Air Release Valve 1/4 mile South of Whithers Rd.

Reason: Failed Air Release Valve

EGLE Action: Sending Violation Notice

Totals Constantine CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0015		

County Totals St. Joseph

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.003		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Van Buren

Cass Co-Lakes WW Collection

Cass Co-Lakes WW Collection

Submission ID
19676

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/22/2018	5:00:00 PM	5/22/2018	6:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0005		

Reason: Failed air release valve

EGLE Action: Municipality proposed replacing air releaf valve.

Cass Co-Lakes WW Collection

Submission ID
19692

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/2/2018	7:30:00 PM	6/2/2018	8:45:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.002		

Location: Air Relief Valve at intersection of Burlington and Loveridge

Reason: The cam-lock connection that attaches the ARV to the forcemain came loose and allowed the ARV to disconnect.

EGLE Action: No additional action at this time.

Totals Cass Co-Lakes WW Collection

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0025		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Covert CM

Covert CM

Submission ID
19688

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/24/2018	11:00:00 AM	5/24/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00035		

Location: 78277 County Road 378

Reason: Failed force main

Totals Covert CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00035		

County Totals Van Buren

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00285		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Washtenaw

Ann Arbor CM

Ann Arbor CM

Submission ID
19377

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	11:00:00 AM	2/20/2018	3:05:00 PM

Rain(IN) = 1.6

Waterbody: Huron River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00025

Location: Wastewater treatment plant, outfall 001

Reason: During high flow event due to rain and snow melt, the overflow structure from the plant gravity lines to the north side interceptor had heavy flow going over the weir. A small amt of the overflow mist/spray was spraying over the outfall to the riv

EGLE Action: Evaluated local response; Response adequate.

Ann Arbor CM

Submission ID
19383

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/21/2018	1:00:00 PM	2/22/2018	9:45:00 AM

Waterbody: Millers Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.006		

Reason: Tree roots blocking sewer line caused overflowing manhole in residential yard

EGLE Action: Discussed with Ms. Lawson.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Ann Arbor CM

Submission ID
19588

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/3/2018	2:00:00 PM	4/4/2018	9:00:00 AM

Rain(IN) = 0.7
Waterbody: Mallets Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0011		

Location: Intersection of Warwick Rd and Glenwood Rd, north of Washtenaw Ave.

Reason: Tree roots in sewer line caused overflow at manhole MH#71-61702. Discharged to street, storm sewer, and ultimately Mallets Creek.

EGLE Action: Discussed with Ms. Lawson.

Ann Arbor CM

Submission ID
19702

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/10/2018	11:30:00 AM	6/10/2018	2:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.3		

Location: Nichols Arboretum

Reason: Leaking manhole in Nichols Arboretum. 36-inch sewer main blocked by a 3000 foot length of rope and an uninflated sewer plug. This caused a release of approximately 300,000 gallons primarily to the Dow Prairie area and a lesser amount to the Huron

EGLE Action: Reviewed response actions and determined they were adequate.

Totals Ann Arbor CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.3071		.00025

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Concordia Lutheran Junior College

Concordia Lutheran Junior College

Submission ID
20093

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/26/2018	12:00:00 PM	10/31/2018	10:30:00 AM

Rain(IN) = 0.88
Waterbody: Huron River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.105		

Location: Concordia University SE

Reason: Sewage overflow from manhole #71-61856 behind Concordia University in wooded area due to plugged sewer line (flushable wipes, paper towels, other). Overflow travelled down slope into Huron River.

EGLE Action: Local response reviewed by DEQ. Response deemed adequate., Reviewed response actions and determined they were adequate.

Totals Concordia Lutheran Junior College

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.105		

Manchester CM

Manchester CM

Submission ID
19384

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:30:00 AM	2/20/2018	5:00:00 AM

Rain(IN) = 2.5
Waterbody: River Raisin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.025

Location: Riverside Lift Station

Reason: Heavy rains caused overflow of main lift station to ground around lift station

EGLE Action: Reviewed entity actions and determined they were adequate.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **Manchester CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.02500

River Ridge MHC/Condos-Saline

River Ridge MHC/Condos-Saline

Submission ID
19231

MI0055034

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/3/2018	8:30:00 AM	1/3/2018	9:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00006		

Reason: Blockage/malfunction in lift station caused backup through manhole to ground

Totals **River Ridge MHC/Condos-Saline**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00006		

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Saline CM

Saline CM

Submission ID
19717

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/21/2018	10:30:00 AM	5/21/2018	9:30:00 PM

Waterbody: Wood Outlet Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.375

Location: 1325 Woodland Drive East

Reason: Pipe break on sanitary force main caused a release to the ground and subsequently to a storm water detention basin and Wood Outlet Drain.

Totals Saline CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.37500

Scio Township CM

Scio Township CM

Submission ID
19701

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/30/2018	1:35:00 PM	5/30/2018	4:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0002		

Location: 276 Columbus Street near westbound M-14

Reason: Water coming out of manhole due to crack in PVC pipe near a blow off valve in the pit. Approximately 150-200 gallons of wastewatger spilled to ground.

EGLE Action: Discussed with Scio Twp

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals Scio Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0002		

Western Townships Utilities Authority

Western Townships Utilities Authority

Submission ID
19276

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/2/2018	10:30:00 AM	2/2/2018	12:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000015		

Location: ARV 4A (Mich. Ave., 1/4 mile east of Lilley

Reason: ailure of an air release valve on the 30" force main due to ice buildup.

Western Townships Utilities Authority

Submission ID
19277

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/2/2018	10:30:00 AM	2/2/2018	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

Location: ARV 11A (Mich. Ave., east of Beck

Reason: Failure of an air release valve on the 30" force main due to ice buildup.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Western Townships Utilities Authority

Submission ID
19274

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/2/2018	10:30:00 AM	2/2/2018	12:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000005		

Location: ARV 3A, Mich. Aver., 1/2 mile east of Lilley

Reason: Failure of an air release valve on the 30" force main due to ice buildup.

Western Townships Utilities Authority

Submission ID
19366

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	8:08:00 PM	2/21/2018	11:20:00 PM

Rain(IN) = 2.36

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		3.64

Location: Lower EB

Reason: High I/I. Rain on 5 inches of snow. Lower EB overflow.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Western Townships Utilities Authority

Submission ID
19398

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/28/2018	12:40:00 PM	2/28/2018	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000003		

Location: South of Mich Ave., east of Denton and west of Ecorse Rd.

Reason: ARV failure.

Western Townships Utilities Authority

Submission ID
19527

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/28/2018	10:30:00 AM	3/28/2018	1:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.000005		

Location: Michigan Ave. at Belleville Road. ARV 9B

Reason: Failure of an air release valve on the 36" force maindue to grease buildup.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Western Townships Utilities Authority

Submission ID
19579

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/27/2018	10:30:00 AM	4/27/2018	12:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0000015		

Location: ARV 3A, Mich. Aver., 1/2 mile east of Lilley

Reason: ARV #3A failure

Western Townships Utilities Authority

Submission ID
19578

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/27/2018	10:30:00 AM	4/27/2018	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0000015		

Location: ARV 4B, Michigan Ave. at Executive Dr.

Reason: ARV 4B failure

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Western Townships Utilities Authority

Submission ID
19577

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/27/2018	10:30:00 AM	4/27/2018	1:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0000015		

Location: Michigan Ave E of Morton Taylor

Reason: ARV #5A failure

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

Western Townships Utilities Authority

Submission ID
19665

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	7:35:00 AM	5/13/2018	8:45:00 AM

Rain(IN) = 2.6

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01

Location: Mich. Ave East of Sheldon Rd (#6B)

Reason: Complete failure of an air release valve on the 36" force main due to high flows from heavy rains.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

NA

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Western Townships Utilities Authority

Submission ID
19775

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/15/2018	8:00:00 PM	5/15/2018	9:30:00 PM

Rain(IN) = 2.6

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00005

Location: Michigan Ave. at Belleville Road. ARV 9B

Reason: Failure of an air release valve O ring on the 36" force main due to high flows from heavy rains.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

Western Townships Utilities Authority

Submission ID
19787

SRT_DAY	SRT_TIME	END_DAY	END_TIME
6/26/2018	12:50:00 PM	6/26/2018	2:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Location: Michigan Ave W. of Lilley (#4A)

Reason: Failure of an air release valve on the 30" force maindue to debris stuck in the valve.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

Totals Western Townships Utilities Authority

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0000825		3.65005

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

YCUA Regional WWTP

YCUA Regional WWTP

Submission ID
19548

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/18/2018	2:32:00 AM	4/18/2018	4:10:00 AM

MI0042676

Waterbody: Willow Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.224		

Location: Willow Run Pump Station

Reason: Station was operating on emergency generator. Station lost communication with main control room indicating loss of power to pumping equipment. Mechanical failure of a switch on the day tank caused generator failure.

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

Totals YCUA Regional WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.224		

Ypsilanti Township CM

Ypsilanti Township CM

Submission ID
20065

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/10/2018	10:15:00 AM	10/10/2018	10:45:00 AM

MI0042676

Waterbody: Belleville Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: Rawsonville & Textile Rd. intersection

Reason: Small section of the upstream section of sanitary sewer being lined experienced surcharge and the bypass pumping in place became inadequate to maintain the flow and sewage exited the manhole

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals	Ypsilanti Township CM			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.001		

County Totals	Washtenaw			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.6374425		4.0503

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Wayne

Allen Park CM

Allen Park CM

Submission ID
19344

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	5:30:00 PM	2/21/2018	12:30:00 AM

Rain(IN) = 2.27
Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.588

Location: 4800 Enterprise

Reason: Heavy rain and snowmelt

Allen Park CM

Submission ID
19492

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	11:00:00 PM	4/16/2018	3:00:00 AM

Rain(IN) = 2.8
Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.672

Location: 4800 Enterprise

Reason: Heavy rain

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Allen Park CM

Submission ID
19982

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/26/2018	12:30:00 AM	9/26/2018	5:45:00 AM

Rain(IN) = 2.25
Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.8904

Location: 4800 Enterprise

Reason: Heavy rain and ecorse creek overflow

Totals Allen Park CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.15040

BASF-Wyandotte

BASF-Wyandotte

Submission ID
19267

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/10/2018	9:55:00 AM	1/10/2018	10:05:00 AM

MI0000540

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00001

Location: Manhole located along north side of Bulk Loading Bldg

Reason: Backup of excavation water in the manhole

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

BASF-Wyandotte

Submission ID
20104

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/7/2018	11:15:00 PM	10/7/2018	11:35:00 PM

MI0000540

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0007		

Location: South side of TPU facility

Reason: backup of process and sanitary sewer water in the manhole due to pluggage

EGLE Action: sent Violation Notice on 10/30/18 to address the discharges

BASF-Wyandotte

Submission ID
20105

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/9/2018	4:10:00 PM	10/9/2018	4:20:00 PM

MI0000540

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0007		

Location: South side of TPU facility

Reason: backup of process and sanitary sewer water in the manhole due to pluggage

EGLE Action: sent Violation Notice on 10/30/18 to address the discharges

Totals BASF-Wyandotte

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0014		.00001

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Dearborn CSO

Submission ID
19332

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	2:30:00 PM	2/21/2018	12:00:00 PM

Rain(IN) = 2.74

MI0025542

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		8.48232

Location: Greenfield PS

Reason: Wet weather and GLWA Northest Interceptor would not allow Dearborn to discharge 60 cfs contract capacity.

EGLE Action: Evaluation of event has determined that no further action is necessary at this time

Dearborn CSO

Submission ID
19625

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	9:50:00 AM	4/16/2018	6:50:00 AM

Rain(IN) = 1.96

MI0025542

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		5.65488

Location: Greenfield PS

Reason: wet weather. Northwest Interceptor would not allow dearborn to discharge contract capacity of 60 cfs

EGLE Action: Evaluation of event has determined that no further action is necessary at this time

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
19880

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	1:36:00 AM	8/1/2018	6:44:00 AM

Rain(IN) = 3.65

MI0025542

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.38141

Location: Greenfield PS

Reason: wet weather. Northwest Interceptor would not allow dearborn to discharge contract capacity of 60 cfs

EGLE Action: Evaluation of event has determined that no further action is necessary at this time

Dearborn CSO

Submission ID
19987

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	9:14:00 AM	9/20/2018	1:29:00 PM

Rain(IN) = 2.87

MI0025542

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.14444

Location: Greenfield PS

Reason: intense wet weather. NW interceptor surcharged causing the City to not be able to discharge contract capacity

EGLE Action: Evaluation of event has determined that no further action is necessary at this time

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Dearborn CSO

Submission ID
20019

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	11:17:00 AM	9/26/2018	12:42:00 AM

Rain(IN) = 2.94

MI0025542

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.594

Location: Greenfield PS

Reason: wet weather. GLWA interceptor would not allow City to discharge its contract capacity

EGLE Action: Evaluation of event has determined that no further action is necessary at this time

Dearborn CSO

Submission ID
20085

SRT_DAY	SRT_TIME	END_DAY	END_TIME
10/6/2018	5:24:00 AM	10/6/2018	8:05:00 PM

Rain(IN) = 2.39

MI0025542

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.84995

Location: Greenfield PS

Reason: Wet weather. The GLWA Northwest interceptor would not allow Dearborn to discharge its contract capacity due to surcharged conditions

EGLE Action: Evaluation of event has determined that no further action is necessary at this time

Totals Dearborn CSO

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		20.10700

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Grosse Ile Twp WWTP

Grosse Ile Twp WWTP

Submission ID
19385

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	3:20:00 PM	2/22/2018	2:50:00 AM

Rain(IN) = 1.55 MI0026191

Waterbody: Detroit River (Trenton Channel)

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		8.112

Location: 24975 West River Rd. EQ Basin

Reason: EB Overflow

EGLE Action: ACO issued, Closed

Completion of Construction scheduled for 10/1/25.

Grosse Ile Twp WWTP

Submission ID
19387

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/22/2018	6:10:00 PM	2/23/2018	7:30:00 AM

Rain(IN) = 1.55 MI0026191

Waterbody: Detroit River (Trenton Channel)

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.641

Location: 24975 West River Rd. EQ Basin

Reason: Raw pump #4 failure w/o alarm, nor telemetering, nor auto-backup, so Chamber E was redirected to the EB, and the EB overflowed again.

EGLE Action: ACO issued, Closed

Completion of Construction scheduled for 10/1/25.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Grosse Ile Twp WWTP

Submission ID
19416

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/2/2018	6:45:00 PM	3/3/2018	11:30:00 PM

Rain(IN) = 0.98 MI0026191

Waterbody: Detroit River (Trenton Channel)

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.158119

Location: 24975 West River Rd. EQ Basin

Reason: High I/I

EGLE Action: ACO issued, Closed

Completion of Construction scheduled for 10/1/25.

Grosse Ile Twp WWTP

Submission ID
19539

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	7:05:00 PM	4/15/2018	1:30:00 PM

Rain(IN) = 2.39 MI0026191

Waterbody: Detroit River (Trenton Channel)

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		4.67624

Location: 24975 West River Rd. EQ Basin

Reason: EB Discharge. High I/I.

EGLE Action: ACO issued, Closed

Completion of Construction scheduled for 10/1/25.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Grosse Ile Twp WWTP

Submission ID
19671

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/13/2018	10:38:00 AM	5/15/2018	8:35:00 PM

Rain(IN) = 1.71 MI0026191

Waterbody: Detroit River (Trenton Channel)

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.52986

Location: 24975 West River Rd. EQ Basin

Reason: Equalization Basin overflow due to rain.

EGLE Action: ACO issued, Closed

Completion of Construction scheduled for 10/1/25.

Totals Grosse Ile Twp WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		17.11722

Lincoln Park CM

Lincoln Park CM

Submission ID
19306

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	1:15:00 AM	2/25/2018	12:00:00 PM

Rain(IN) = 1.8

Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		130

Location: Lincoln Park Retention basin

Reason: Too much rain and snowmelt off, and vortex valve blockage in sewer system

EGLE Action: Evaluation of this event confirms that discharge is consistent with terms of Federal Consent Judgment.

Schedule of Compliance completed as required in a Federal Consent Judgment. Upon completion, Federal Consent Judgment was terminated.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lincoln Park CM

Submission ID
19463

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/1/2018	5:51:00 PM	3/3/2018	1:00:00 PM

Rain(IN) = 1.41
Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	7	

Location: Lincoln Park Retention basin

Reason: excessive rain and snowmelt coupled with the blocked vortex valve and broken 24" sewer under the Sexton Kilfoil Drain

EGLE Action: Evaluation of this event confirms that discharge is consistent with terms of Federal Consent Judgment.

Schedule of Compliance completed as required in a Federal Consent Judgment. Upon completion, Federal Consent Judgment was terminated.

Lincoln Park CM

Submission ID
19538

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	10:00:00 AM	4/16/2018	11:00:00 PM

Rain(IN) = 2.36
Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	15.3	

Location: Lincoln Park Retention basin

Reason: volume of rain

EGLE Action: Evaluation of this event confirms that discharge is consistent with terms of Federal Consent Judgment.

Schedule of Compliance completed as required in a Federal Consent Judgment. Upon completion, Federal Consent Judgment was terminated.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Lincoln Park CM

Submission ID
19642

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	11:00:00 AM	5/13/2018	5:00:00 AM

Rain(IN) = 3.7
Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.5	

Location: Lincoln Park Retention basin

Reason: flow due to rainfall exceeded the 20.5 basin capacity

EGLE Action: Evaluation of this event confirms that discharge is consistent with terms of Federal Consent Judgment.

Schedule of Compliance completed as required in a Federal Consent Judgment. Upon completion, Federal Consent Judgment was terminated.

Totals Lincoln Park CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	23.8	130.00000

Livonia CM

Livonia CM

Submission ID
19268

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/26/2018	1:00:00 PM	1/26/2018	3:30:00 PM

Waterbody: Barlow Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Location: MH 16-2-31 behind 34003 Burton Ct.

Reason: Blocked siphon

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals Livonia CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.001		

Melvindale CM

Melvindale CM

Submission ID
19395

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	11:30:00 AM	2/22/2018	1:00:00 PM

Rain(IN) = 3
Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		4.5

Location: Melvindale PS

Reason: Rain/Snowmelt

EGLE Action: On June 16, 2004, MDEQ and the City signed an Administrative Consent Order (ACO) to prevent future SSO discharges.

The ACO requires a Project Performance Certification Report to be submitted by December 1, 2016 to determine if the system meets the State's SSO Policy. This event will be used for that analysis.

Melvindale CM

Submission ID
19537

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	7:55:00 PM	4/16/2018	5:05:00 AM

Rain(IN) = 2
Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.2

Location: Melvindale PS

Reason: excessive rainfall amount

EGLE Action: On June 16, 2004, MDEQ and the City signed an Administrative Consent Order (ACO) to prevent future SSO discharges.

The ACO requires a Project Performance Certification Report to be submitted by December 1, 2016 to determine if the system meets the State's SSO Policy. This event will be used for that analysis.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **Melvindale CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		5.70000

Rockwood WWTP

Rockwood WWTP

Submission ID
19528

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	6:00:00 PM	4/16/2018	5:00:00 AM

Rain(IN) = 2.4

MI0021181

Waterbody: Huron River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.3696

Location: Equalization Basin at WWTP

Reason: To prevent flooding and damage to basements within the city.

EGLE Action: SSO is currently under investigation to determine if enforcement is necessary

Totals **Rockwood WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.36960

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Rouge Valley Sewage Disposal System CM

Rouge Valley Sewage Disposal System CM

Submission ID
20009

SRT_DAY	SRT_TIME	END_DAY	END_TIME
8/1/2018	1:05:00 AM	8/1/2018	8:00:00 AM

Rain(IN) = 2.35
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03

Location: Regulator M-21 (CSO 056), Middle Rouge, 1300 ft. west of Inkster Rd., Westland

Reason: A significant rainfall event occurred which caused the flow rate in the sewer to exceed the regulator capacity.

EGLE Action: 4th Amended AACO-000031.

Rouge Valley Sewage Disposal System CM

Submission ID
20010

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	7:00:00 AM	9/20/2018	8:10:00 AM

Rain(IN) = 3.23
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.1

Location: CSO Regulator M-25, Middle Rouge at Ann Arbor Trail, west of Farmington Rd., Westland

Reason: A significant rainfall event occurred which caused the flow rate in the sewer to exceed the regulator capacity.

EGLE Action: 4th Amended AACO-000031.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Rouge Valley Sewage Disposal System CM

Submission ID
20012

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/20/2018	8:00:00 AM	9/20/2018	1:50:00 PM

Rain(IN) = 3.23
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.5

Location: Regulator M-21 (CSO 056), Middle Rouge, 1300 ft. west of Inkster Rd., Westland

Reason: A significant rainfall event occurred which caused the flow rate in the sewer to exceed the regulator capacity

EGLE Action: 4th Amended AACO-000031.

Rouge Valley Sewage Disposal System CM

Submission ID
20015

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	7:40:00 PM	9/25/2018	8:05:00 PM

Rain(IN) = 2.45
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01

Location: CSO Regulator M-25, Middle Rouge at Ann Arbor Trail, west of Farmington Rd., Westland

Reason: A significant rainfall event occurred which caused the flow rate in the sewer to exceed the regulator capacity.

EGLE Action: 4th Amended AACO-000031.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Rouge Valley Sewage Disposal System CM

Submission ID
20016

SRT_DAY	SRT_TIME	END_DAY	END_TIME
9/25/2018	8:25:00 PM	9/26/2018	11:00:00 AM

Rain(IN) = 2.45
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.1

Location: Regulator M-21 (CSO 056), Middle Rouge, 1300 ft. west of Inkster Rd., Westland

Reason: A significant rainfall event occurred which caused the flow rate in the sewer to exceed its regulator capacity.

EGLE Action: 4th Amended AACO-000031.

Totals Rouge Valley Sewage Disposal System CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		.74000

S Huron Valley UA WWTP

S Huron Valley UA WWTP

Submission ID
19254

SRT_DAY	SRT_TIME	END_DAY	END_TIME
1/20/2018	8:00:00 PM	1/21/2018	3:15:00 PM

MI0043800
Waterbody: Huron River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.0058		

Location: Odette Pump Station

Reason: Failed hose in air release valve #2.

EGLE Action: Violation Notice

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

S Huron Valley UA WWTP

Submission ID
19773

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/18/2018	2:30:00 PM	4/18/2018	3:00:00 PM

MI0043800

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00275		

Location: W. Jefferson, 100 yds. South of Middle Gibralta Rd.

Reason: Broken pipe in a valve pit between the Trenton Arm force main and the air release valve.

Totals S Huron Valley UA WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00855		

Wayne CM

Wayne CM

Submission ID
19475

SRT_DAY	SRT_TIME	END_DAY	END_TIME
3/14/2018	6:00:00 AM	4/2/2018	1:00:00 PM

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
16		

Location: Siphon downstream of old CSO Outfall L-34

Reason: The inverted siphons underneath the Lower Rouge River immediately downstream of CSO Regulator 53 (a.k.a. L-34) clogged with roots & debris, which caused flows in the structure to backup and eventually discharge to the environment.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Totals **Wayne CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
16		

Wayne Co CM

Wayne Co CM

Submission ID
19478

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	4:55:00 AM	2/23/2018	9:55:00 AM

Rain(IN) = 2.22
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.4

Location: Regulator M-21 (CSO 056), Middle Rouge, 1300 ft. west of Inkster Rd., Westland

Reason: Significant rainfall event occurred with snowmelt, causing the flow rate in the sewer to exceed the regulator capacity.

EGLE Action: 4th Amended AACO-000031.

Wayne Co CM

Submission ID
19371

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:50:00 AM	2/22/2018	2:00:00 AM

Rain(IN) = 2.22
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.4

Location: Regulator M-21 (CSO 056), Middle Rouge, 1300 ft. west of Inkster Rd., Westland

Reason: A significant rainfall event occurred on frozen ground with a snow pack of about 4 inches which caused the sewer to surcharge to grade.

EGLE Action: 4th Amended AACO-000031.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Wayne Co CM

Submission ID
19371

SRT_DAY	SRT_TIME	END_DAY	END_TIME
2/20/2018	6:50:00 AM	2/22/2018	2:00:00 AM

Rain(IN) = 2.22
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		4.2

Location: MHs W. of Inkster Rd betw. Rougeway St & Sunnydale St.

Reason: A significant rainfall event occurred on frozen ground with a snow pack of about 4 inches which caused the sewer to surcharge to grade.

Wayne Co CM

Submission ID
19514

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	1:25:00 PM	4/16/2018	1:00:00 PM

Rain(IN) = 2.38
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		4.3

Location: Regulator M-21 (CSO 056), Middle Rouge, 1300 ft. west of Inkster Rd., Westland

Reason: A significant rainfall event occurred which caused the flow rate in the sewer to exceed the regulator capacity.

EGLE Action: 4th Amended AACO-000031.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Wayne Co CM

Submission ID
19534

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	1:55:00 PM	4/16/2018	11:20:00 PM

Rain(IN) = 2.38
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		7.4

Location: MHs W. of Inkster Rd betw. Rougeway St & Sunnydale St.

Reason: A significant rainfall event occurred which caused the sewer to surcharge to grade.

Wayne Co CM

Submission ID
19513

SRT_DAY	SRT_TIME	END_DAY	END_TIME
4/15/2018	6:30:00 PM	4/16/2018	4:30:00 PM

Rain(IN) = 2.38
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.1

Location: Regulator M-22 (CSO 055), Middle Rouge at Merriman Rd., Westland

Reason: A significant rainfall event occurred which caused the flow rate in the sewer to exceed the regulator capacity.

EGLE Action: 4th Amended AACO-000031.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Wayne Co CM

Submission ID
19686

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	11:05:00 AM	5/14/2018	12:55:00 AM

Rain(IN) = 2.41
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		10

Location: MHs W. of Inkster Rd betw. Rougeway St & Sunnydale St.

Reason: A significant rainfall event occurred which caused the sewer to surcharge to grade.

Wayne Co CM

Submission ID
19685

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	12:00:00 PM	5/13/2018	8:15:00 PM

Rain(IN) = 2.41
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.4

Location: Regulator M-21 (CSO 056), Middle Rouge, 1300 ft. west of Inkster Rd., Westland

Reason: A significant rainfall event occurred which causedthe flow rate in the sewer to exceed the regulator capacity.

EGLE Action: 4th Amended AACO-000031.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

SSO Detail Report
January 1 - December 31, 2018

Wayne Co CM

Submission ID
19776

SRT_DAY	SRT_TIME	END_DAY	END_TIME
5/12/2018	1:30:00 PM	5/13/2018	8:20:00 PM

Rain(IN) = 2.41
Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.3

Location: Regulator M-21 (CSO 056), Middle Rouge, 1300 ft. west of Inkster Rd., Westland

Reason: A significant rainfall event occurred which caused the flow rate in the sewer to exceed the regulator capacity.

EGLE Action: 4th Amended AACO-000031.

Totals Wayne Co CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		32.50000

County Totals Wayne

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
16.01095	23.8	208.684229

Report Totals

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
52.73	512.19	324.31

MG = million gallons