Michigan Department of Environment, Great Lakes, and Energy

Combined Sewer Overflow (CSO), Sanitary Sewer Overflow (SSO), and Retention Treatment Basin (RTB) Discharge
2020 Annual Report

(January 1, 2020 - December 31, 2020)

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 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 2020 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 2020 Michigan experienced above average rainfall throughout the state, and this is evident in calendar year 2020 data. This demonstrates the significant impact that annual precipitation totals have on discharges from sewerage systems. While rainfall in 2020 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 2020 achievements, which highlight the steady gains we are making toward our long-term goals.

- In October 2020 Governor Gretchen Whitmer and EGLE announced the MI Clean Water Plan that includes $500 million worth of funding resources to help local municipalities upgrade drinking water and wastewater infrastructure. The plan proposes $235 million for Clean Water Infrastructure Grants, which could be used to eliminate sanitary sewer overflows, correcting combined sewer overflows and increasing green infrastructure. This plan is currently working its way through the Legislature, and if passed, it can provide grant dollars to help eliminate raw sewage discharges.

- EGLE awarded more than $207 million in loans through the State Revolving Fund to local units of government for wastewater infrastructure projects.

- Large-scale sewer separation projects continue in the cities of Lansing, Dearborn, Port Huron, St. Joseph, 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. This effort involved issuing National Pollutant Discharge Elimination System (NPDES) major permit with asset management program requirements, and separately the Storm Water, Asset Management, and Wastewater (SAW) Program. To help communities prepare for this initiative, the 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. To date, approximately $450 million has been allocated to the SAW Program, and including asset management requirements in NPDES permits continues.

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

2020 PROGRESS: COMBINED SEWER OVERFLOWS (CSO) and RETENTION TREATMENT BASINS

Did We Make Progress in 2020?

Precipitation in Michigan in 2020 was above average. According to the National Oceanic and Atmospheric Administration (NOAA), the annual precipitation total for all of Michigan in 2020 was 35.33 inches. Based on NOAA data, the long-term average annual precipitation for Michigan (data from 1895-2017) is approximately 31.67 inches. The resulting impacts of above average precipitation on 2020 wet weather discharges are evident in 2020 numbers. With consideration for the above, and other relevant factors described below, we believe Michigan is making progress in controlling wet weather discharges.

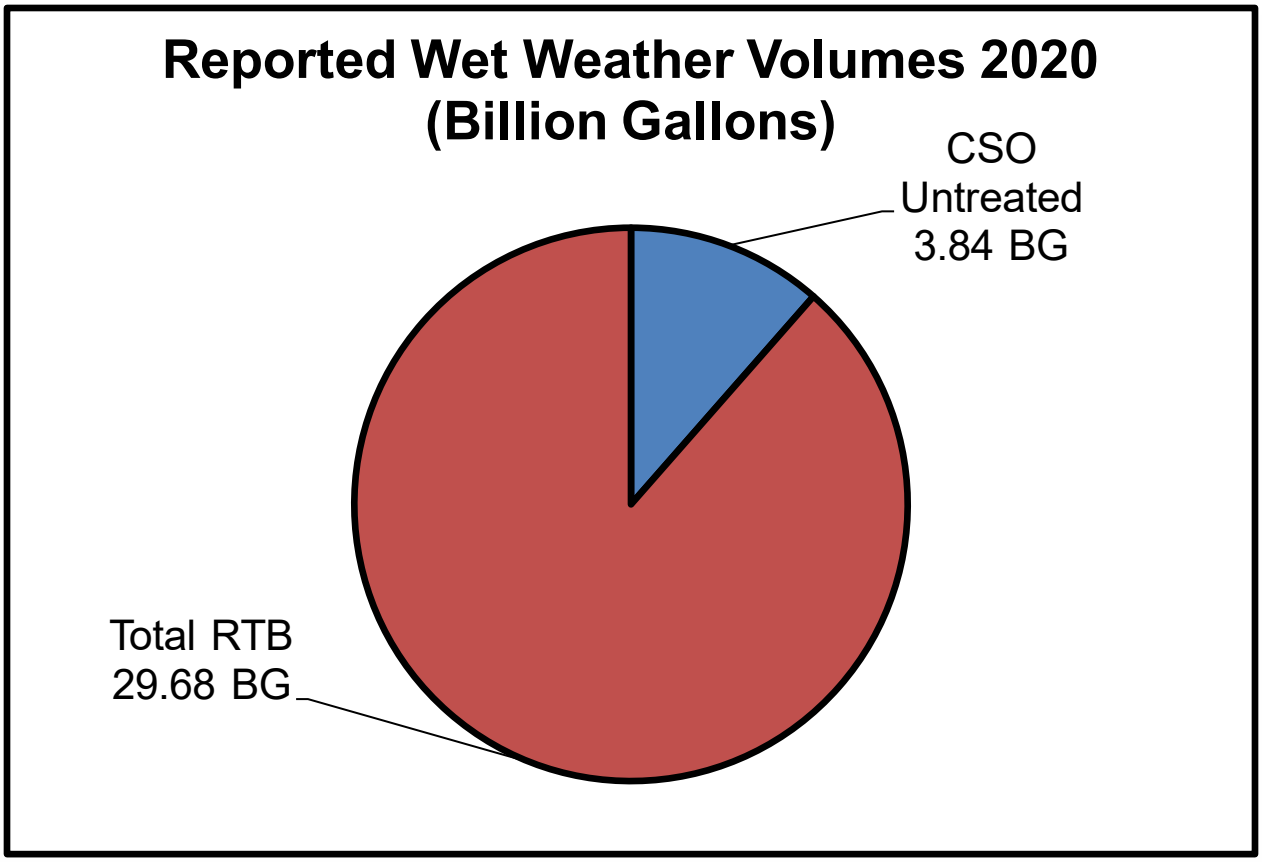
In addition to record rainfall, the Great Lakes and inland waters continued to experience record or near record high water levels, resulting in significant erosion and flooding of the shoreline. In 2020 numerous sewer systems and wastewater treatment plants throughout the state were impacted by high water levels. Communities such as Detroit, Manistee, and St. Joseph were impacted by high water levels that resulted in discharges of raw and/or partially treated sewage.

Each year, EGLE tracks elimination of uncontrolled CSO outfalls. As of 2020, 102 uncontrolled CSO outfalls remain for correction, 2 fewer than 2019. 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, and Manistique, among others, and large construction projects by the cities of Detroit, Dearborn, and others, to provide 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 2020, will lead to elimination of additional CSOs in future years. Further examples of this are summarized in the '2020 CSO Progress Report' section below.

<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, 2020, through December 31, 2020, there were 452 events reported for a total volume of approximately 32.48 billion gallons. It is noteworthy that a significant portion of this total volume, approximately 29.42 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 Part 4, Water Quality Standards [Part 4 Rules], promulgated pursuant to Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended).

Figure 1: Reported Wet-Weather Volumes from CSOs and RTBs (2020)



Combined Sewer Overflow (CSO) Summary Report

January 1, 2020 - December 31, 2020

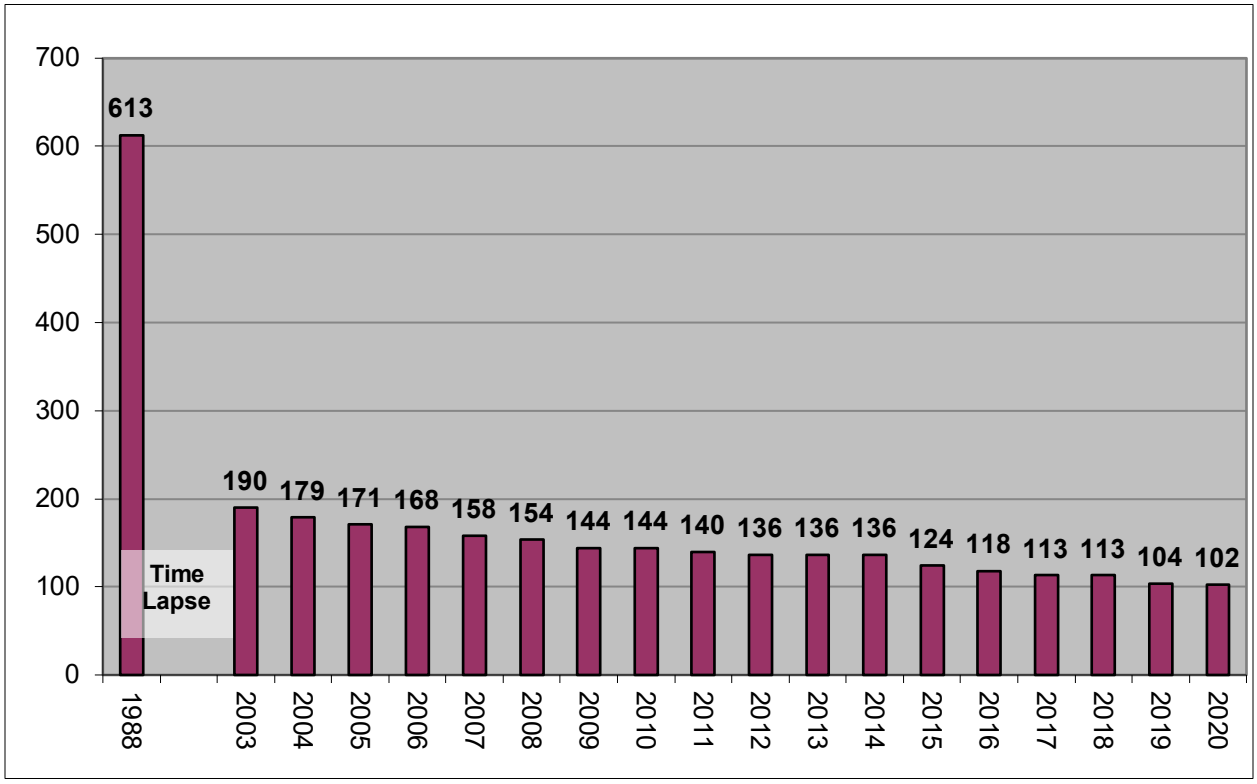
Entity Name	Untreated Volume (MG)	Treated Volume (MG)	Reported Events	County	Appendix Pages
Great Lakes Water Authority WRRF	1,964.4	23,351.1	**29**	Wayne	E-432, F-58
Dearborn CSO	746.6	386.8	**49**	Wayne	E-320, F-51
Southgate / Wyandotte CSO RTF	337.8	1,105.5	**20**	Wayne	E-609, F-99
Lansing WWTP	333.5	17	**38**	Ingham	E-7, F-13
Wayne Co/Redford/Livonia CSO	216.5	16.5	**8**	Wayne	E-684, F-112
Wayne Co/Inkster/Dearborn Hts CSO	112.9		**22**	Wayne	E-662
Wayne Co/Inkster CSO	77.5	21.3	**21**	Wayne	E-650, F-108
Wayne Co/Dearborn Heights CSO	28.9	30.7	**17**	Wayne	E-616, F-106
Redford Township CSO	16.7		**8**	Wayne	E-605
Inkster/Dearborn Heights CSO	3.7		**8**	Wayne	E-601
Manistique WWTP	2.1		**3**	Schoolcraft	E-296
Port Huron WWTP	1.7		**42**	St Clair	E-298
St. Joseph CSO	0.04		**10**	Berrien	E-1
George W Kuhn Dr Dist CSO RTB		2,303.4	**9**	Oakland	F-29
Saginaw WWTP		594.4	**7**	Saginaw	F-39
Milk River CSO RTB		424.7	**9**	Wayne	F-91
Martin RTB		302.9	**8**	Macomb	F-19
Saginaw Township WWTP		249.0	**5**	Saginaw	F-37
Bay City WWTP		209.4	**5**	Bay	F-1
Chapaton RTB		176.5	**8**	Macomb	F-15
River Rouge CSO RTB		146.2	**11**	Wayne	F-95
Birmingham CSO RTB		76.9	**5**	Oakland	F-23
Oakland Co - Acacia Park CSO RTB		76.4	**5**	Oakland	F-34
North Houghton Co W&SA CSO		59.3	**5**	Houghton	F-8
East Lansing WRRF		56.6	**4**	Ingham	F-11
Bloomfield Village CSO RTB		45.6	**5**	Oakland	F-26
Iron Mountain / Kingsford WWTP		19.424	**7**	Dickinson	F-4
Grand Rapids WRRF		7	**1**	Kent	F-14
TOTAL	**3,842**	**29,676**	**369**		

How Does 2020 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.

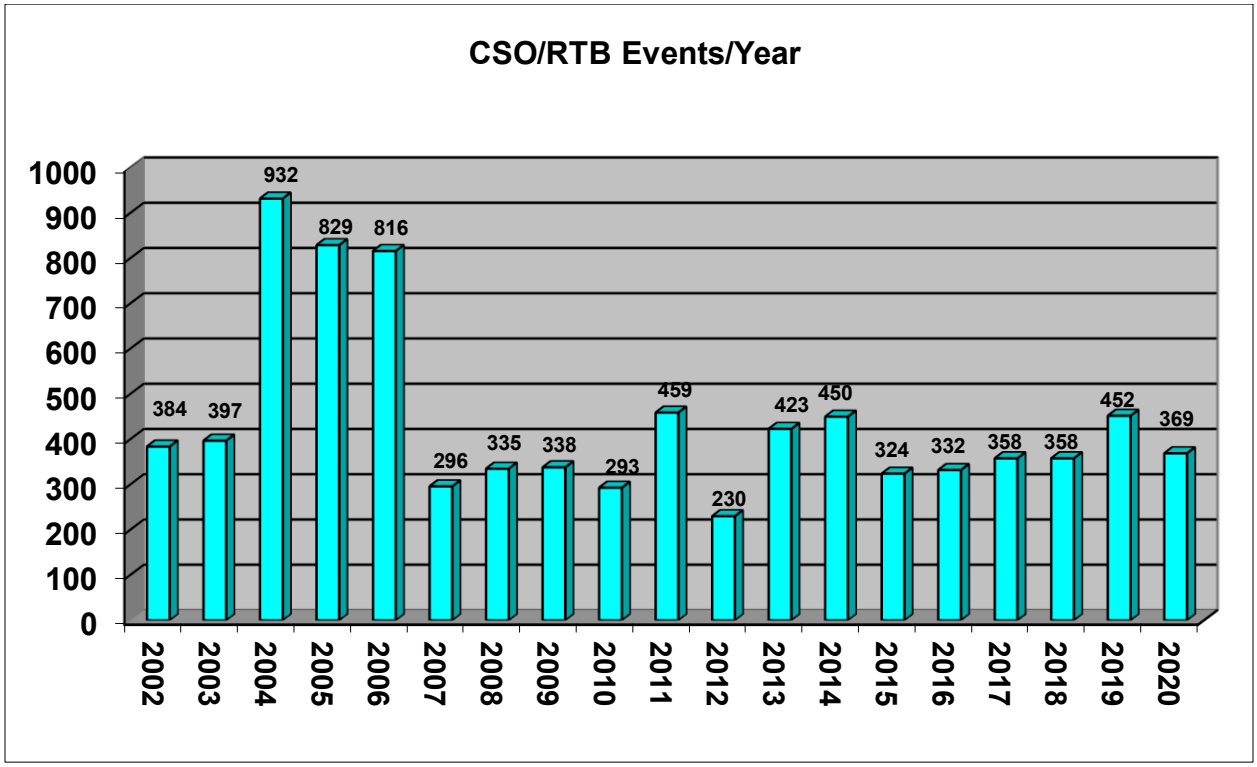
Michigan communities have eliminated more than 83 percent of the 613 uncontrolled CSO outfalls that existed in 1988, and the remaining 17 percent are scheduled for elimination through implementation of LTCPs. On average, since 2003, there have been approximately five CSO outfalls eliminated or redirected to RTBs per year (Figure 2).

Figure 2: 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 2020 there were 369 overflow events.

Figure 3: 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 2020 (33,518 MG, Figure 4), reflects the annual precipitation rates (Figure 5).

Figure 4: Total CSO, RTB, and Related Wet-Weather Discharges Reported Volume (MG/Year)

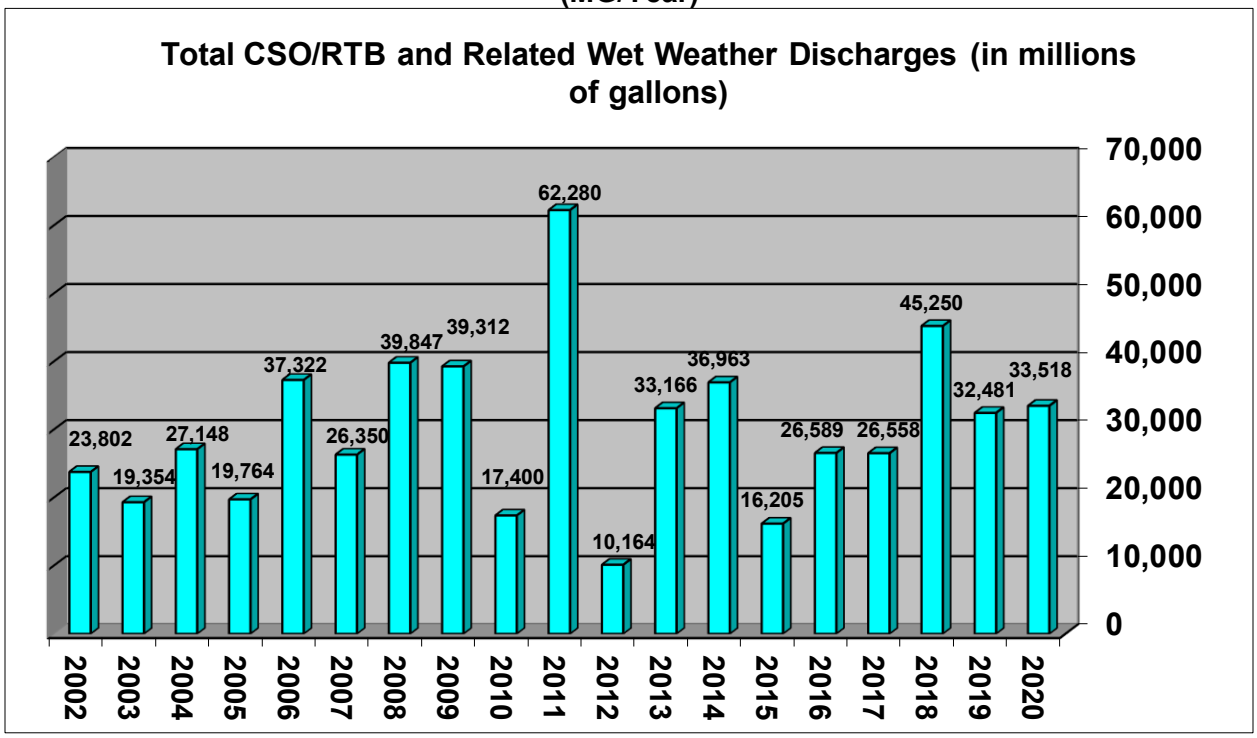
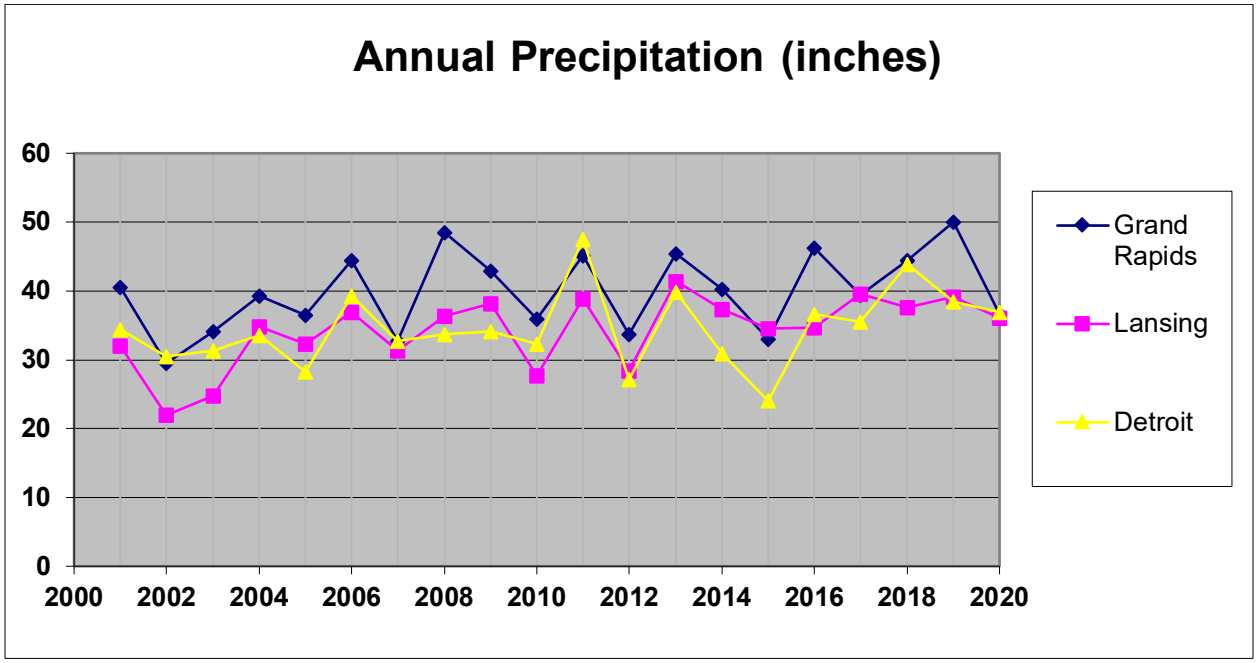
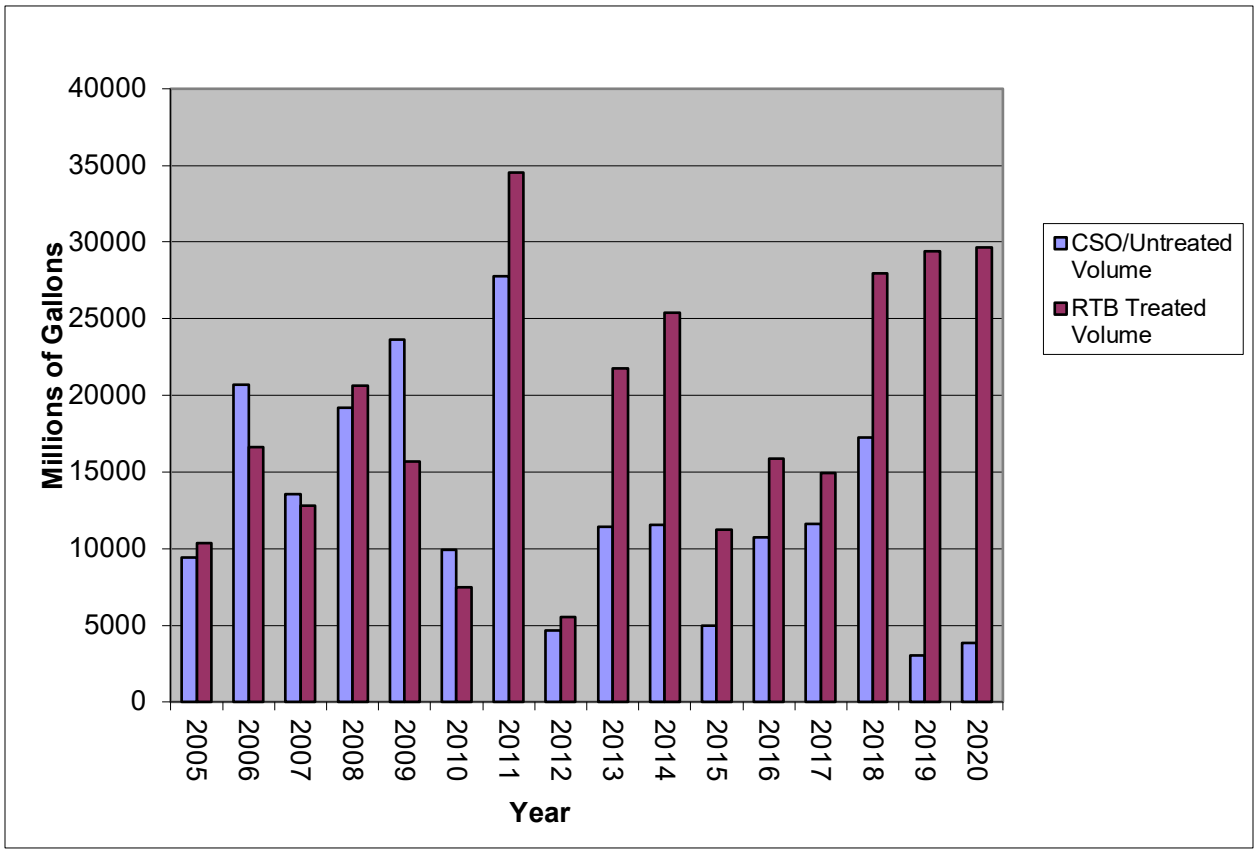


Figure 5: Annual Precipitation (Inches) for Various Michigan Cities/Year



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 6). 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 6: CSO/Untreated and RTB Volume (MG per Year)



2020 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.

- 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 wastewater treatment plant (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.
  - Completion of the RRO Disinfection Project.

  Since the completion of the RRO Disinfection Project in April 2019, all excess wet-weather flow from the WRRF is 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 the near east-side area of the Central District. The DWSD is required to spend an average of $2 million per year during the life of this permit on GI. 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) was entered on December 19, 2019, with integrated plan requirements to correct CSO and SSO discharges. The city is currently conducting various sewer separation and sewer rehabilitation projects. The 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 and Rural Development ($15 million), the United States Army Corps of Engineers ($6 million), the Michigan Economic Development Corporation ($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.

- 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 258,963 feet of new storm and sanitary sewers to separate wastewater from storm water at a cost of approximately $162.6 million. In 2020 alone, the city constructed 48,963 feet of new storm and sanitary sewers at a cost of $15.6 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, 42 outfalls were eliminated by either sewer separation or by diverting the flows to new retention treatment basins. Currently, 16 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 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 more than $30 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.

2020 PROGRESS: SANITARY SEWER OVERFLOWS

Did We Make Progress in 2020?

During calendar year 2020, 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 '2020 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, 2020, through December 31, 2020, there were 316 events reported for a total SSO volume of approximately 403 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, 2020 - December 31, 2020 (by Volume)

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
Midland WWTP	197.45[1]	1	Midland	G-169
Lincoln Park CM	37.66	4	Wayne	G-264
Evergreen-Farmington CM (Oakland Co)	26.56252	4	Oakland	G-181
Lansing WWTP	22.31127	2	Ingham	G-66
East Lansing WRRF	20.75	2	Ingham	G-65
Dearborn CSO	16.5653	11	Wayne	G-251
Lowell CM	15.164	1	Kent	G-115
Leoni Twp WWTP	12.001	2	Jackson	G-93
Center Line CM	9.026	1	Macomb	G-148
Manistee CM	5.55	8	Manistee	G-153
Sault Ste Marie WWTP	5.401715	2	Chippewa	G-24
Grand Ledge WWTP	4.309667	3	Eaton	G-35
Owosso/Mid Shiawassee Co WWTP	3.35635	3	Shiawassee	G-229
Mason WWTP	2.628	1	Ingham	G-81
Grosse Ile Twp WWTP	2.5	1	Wayne	G-262
Harrison Township CM	2.484	1	Macomb	G-150
Warren WWTP	2.100456	2	Macomb	G-151
Marysville WWTP	2.1	1	St Clair	G-236
Farmington CM	2.014	1	Oakland	G-191
Melvindale CM	1.94265	2	Wayne	G-266
GLWA WRRF	1.3	1	Wayne	G-259
Lexington WWSL	1.104	1	Sanilac	G-224
Lakewood WW Auth CM	0.931305	10	Ionia	G-82
McMillan Twp WWSL	0.865376	1	Ontonagon	G-208
Lathrup Village CM	0.84	1	Oakland	G-196
St Charles WWSL	0.795	1	Saginaw	G-223
Wakefield WWSL	0.682625	2	Gogebic	G-52
Howell WWTP	0.62436	2	Livingston	G-143
Adrian CM	0.5793	3	Lenawee	G-119
Davison CM	0.495	1	Genesee	G-42
Rockwood WWTP	0.4284	2	Wayne	G-271
St Johns WWTP	0.36185	2	Clinton	G-29
Durand WWTP	0.22816	4	Shiawassee	G-226
DeWitt Township CM	0.194	1	Clinton	G-27
Grosse Pointe Shores CM	0.175	1	Wayne	G-263

[1] The 197.45 MG SSO that occurred from the Midland WWTP was a result of the Edenville Dam failure in May of 2020. This single SSO event accounts for nearly 50% of the 2020 statewide SSO volume.

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
Newberry WWTP	0.132	1	Luce	G-147
Wayne Co/Inkster/Drbrn Hts CSO	0.125	4	Wayne	G-273
Southern Clinton Co WWTP	0.1224	1	Clinton	G-28
Tawas City CM-Iosco	0.102	1	Iosco	G-89
Saginaw Twp WWTP	0.1	1	Saginaw	G-222
Jamestown Township CM-Ottawa Co	0.08433	2	Ottawa	G-214
Grand Rapids CM	0.08028	6	Kent	G-112
Traverse City CM	0.07125	5	Grand Traverse	G-55
KI Sawyer WWTP-Marquette Co	0.071	2	Marquette	G-159
GM-Proving Grounds-Milford	0.054	1	Oakland	G-194
Algoma Township CM	0.05	1	Kent	G-106
Muskegon Co WWMS Metro WWTP	0.0452	3	Muskegon	G-173
Kalamazoo CM	0.04006	9	Kalamazoo	G-99
Bedford Township CM	0.04	1	Monroe	G-170
Farmington Hills CM	0.03615	3	Oakland	G-192
Flint WWTP	0.03582	5	Genesee	G-44
Chesaning WWTP	0.03168	1	Saginaw	G-221
East China Township CM	0.03	1	St Clair	G-235
Manistique WWTP	0.025	1	Schoolcraft	G-225
West Bay Co Regional WWTP	0.023	2	Bay	G-7
Butman Twp WWTP	0.0221	2	Gladwin	G-49
Hamburg Township CM	0.020275	3	Livingston	G-139
Bellaire CM	0.02	1	Antrim	G-2
Hamburg Township WWTP	0.02	1	Livingston	G-141
Bessemer Twp WWSL	0.0168	1	Gogebic	G-51
Delhi Township CM	0.0168	1	Ingham	G-64
Lenawee CDC-Wamplers Lk WWSL	0.016	6	Lenawee	G-128
Alpine Township CM	0.015	1	Kent	G-108
Escanaba WWTP	0.01443	2	Delta	G-31
Waldron CM	0.012	1	Hillsdale	G-62
Beulah WWTF	0.01	1	Benzie	G-9
Clio CM	0.01	1	Genesee	G-41
New Buffalo Township CM	0.01	1	Berrien	G-17
Shelby WWTF	0.009168	4	Oceana	G-205
Allendale Township CM	0.009	1	Ottawa	G-209
Plymouth Township CM	0.0081	2	Wayne	G-270
Constantine CM	0.008	2	St Joseph	G-237
Ann Arbor CM	0.0055	5	Washtenaw	G-239
Cedarbrook Estates MHP	0.005	1	Oakland	G-177

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
Dimondale/Windsor WWTP	0.005	1	Eaton	G-34
Morenci WWSL	0.005	2	Lenawee	G-133
Summerbrook Condominium	0.005	1	Livingston	G-146
Northville Township CM	0.0045	1	Wayne	G-269
Scio Farms Estates	0.0045	1	Washtenaw	G-246
GRSD Sewer Authority WRRF	0.00401	3	Berrien	G-13
Crystal Falls WWTP	0.004	1	Iron	G-91
St Joseph CM	0.00365	2	Berrien	G-18
Commerce Township CM	0.00331	3	Oakland	G-179
Lenawee CDC-Loch Erin WWTP	0.0032	2	Lenawee	G-127
Gun Lake WWTP	0.003	1	Barry	G-3
Lake Mitchell Sewer Authority CM	0.002515	6	Wexford	G-280
Morenci CM	0.0025	1	Lenawee	G-132
Big Rapids CM	0.0024	1	Mecosta	G-165
Bad Axe WWTP	0.0021	1	Huron	G-63
Western Townships Utilities Authority	0.00205	5	Wayne	G-275
Ada Township CM	0.002	1	Kent	G-105
Chikaming Township CM	0.002	1	Berrien	G-12
Owosso Caledonia Sewer Authority	0.002	1	Shiawassee	G-228
Pinckney WWTP	0.002	1	Livingston	G-145
Scio Township CM	0.002	1	Washtenaw	G-247
Harbor Springs Area Sewage	0.00187	3	Emmet	G-39
Hillsdale CM	0.0017	2	Hillsdale	G-60
Fowlerville WWTP	0.0016	1	Livingston	G-138
Byron Center Village MHC	0.0015	2	Kent	G-109
Davison Township CM	0.0014	1	Genesee	G-43
Leoni Township CM	0.00135	2	Jackson	G-92
Southwest Barry Co SWA	0.00125	2	Barry	G-4
Allegan WWTP	0.001	1	Allegan	G-1
Dearborn Heights CM	0.001	2	Wayne	G-257
Dow Silicones Corporation-Midland Site	0.001	1	Midland	G-168
Grand Haven-Spring Lake WWTP	0.001	1	Ottawa	G-212
Lake Charter Township CM	0.001	1	Berrien	G-15
Manchester WWTP	0.001	1	Washtenaw	G-245
Onaway CM	0.001	1	Presque Isle	G-220
Rochester Hills CM	0.001	1	Oakland	G-200
Howell Twp WWTP	0.00087	2	Livingston	G-142
Genesee Co #7-Argentine WWSL	0.00083	2	Genesee	G-47
Holiday West Village MHC	0.0008	1	Ottawa	G-213

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
Ontwa Township CM	0.0008	2	Cass	G-21
Muskegon CM	0.00075	1	Muskegon	G-172
Augusta Township CM	0.00069	3	Washtenaw	G-242
GM-CPC-Romulus Engine	0.000655	3	Wayne	G-260
Hidden Lake Estates MHP	0.0006	2	Oakland	G-195
Sherman Oaks MHP WWSL	0.0006	2	Jackson	G-95
Pontiac CM	0.000562	5	Oakland	G-197
DNR-Wilderness State Park	0.00055	1	Emmet	G-38
Benton Harbor CM	0.0005	1	Berrien	G-10
Buchanan WWTP	0.0005	1	Berrien	G-11
Portage CM	0.0005	1	Kalamazoo	G-104
Warren Dunes Village	0.0005	1	Berrien	G-19
Brighton Twp WWTP	0.0004	3	Livingston	G-135
Marquette Township CM	0.0004	2	Marquette	G-162
Alpine Meadows MHC	0.0003	1	Kent	G-107
Auburn Hills CM	0.0003	1	Oakland	G-176
Brighton Village MHP CM	0.00025	1	Livingston	G-137
Zeeland WWTP	0.00025	1	Ottawa	G-219
White Lake Township CM	0.000205	3	Oakland	G-203
Andrews Estates Mobile Home	0.0002	1	Kalamazoo	G-97
Hickory Hills Village MHP	0.0002	1	Calhoun	G-20
Hillsdale WWTP	0.0002	1	Hillsdale	G-61
Metro Commons MHC	0.0002	1	Wayne	G-268
New Buffalo CM	0.0002	1	Berrien	G-16
Marquette CM	0.000195	3	Marquette	G-160
Powers WWSL	0.000155	2	Menominee	G-166
Dexter CM	0.00015	1	Washtenaw	G-244
Dow Silicones Corporation-Auburn	0.00015	1	Bay	G-6
Childs Lake Estates MHC Holdings LLC	0.0001	1	Oakland	G-178
Chocolay Township CM	0.0001	1	Marquette	G-158
Sister Lakes Area Util Auth CM	0.0001	1	Cass	G-22
South Lyon Woods MHC	0.0001	1	Oakland	G-201
Tamarac Village MHP	0.0001	1	Mason	G-164
Clinton Township CM	0.000075	1	Macomb	G-149
Colonial Acres	0.000075	1	Kalamazoo	G-98
YCUA Regional WWTP	0.000072	2	Washtenaw	G-278
DECO-Monroe Plt	0.00006	1	Monroe	G-171
Crickelwood Court MHP	0.00005	1	Ottawa	G-211
General Motors LLC - (Detroit-Hamtramck)	0.00005	1	Wayne	G-258

Entity Name	Total Volume (MG)	Reported Events	County	Appendix Page #
Hesperia WWTP	0.00005	1	Newaygo	G-175
McDonalds-Lake Odessa	0.00005	1	Ionia	G-88
Presidential Estates	0.000045	4	Ottawa	G-215
River Haven MHP WWTP	0.00004	1	Ottawa	G-218
St Louis WWTP	0.00004	1	Gratiot	G-59
Sylvan Township CM	0.00003	1	Washtenaw	G-248
Canton Township CM	0.000025	1	Wayne	G-250
Cedarfield MHC	0.000025	1	Kent	G-111
Iron Mountain CM	0.00002	1	Dickinson	G-33
Southwood Village MHC	0.00001	1	Kent	G-118
Walled Lake CM	0.000008	1	Oakland	G-202
Pinebrook Village MHC	0.000006	2	Kent	G-117
Tuscarora Twp WWTF	0.000005	1	Cheboygan	G-23
Wildwood Ave- Private Lead	0.000005	1	Washtenaw	G-249
Country Hills Village MHC	0.000001	1	Ottawa	G-210
Total SSO	**403.13**	**316**		

How Does 2020 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 7: Number of SSO Events/Year

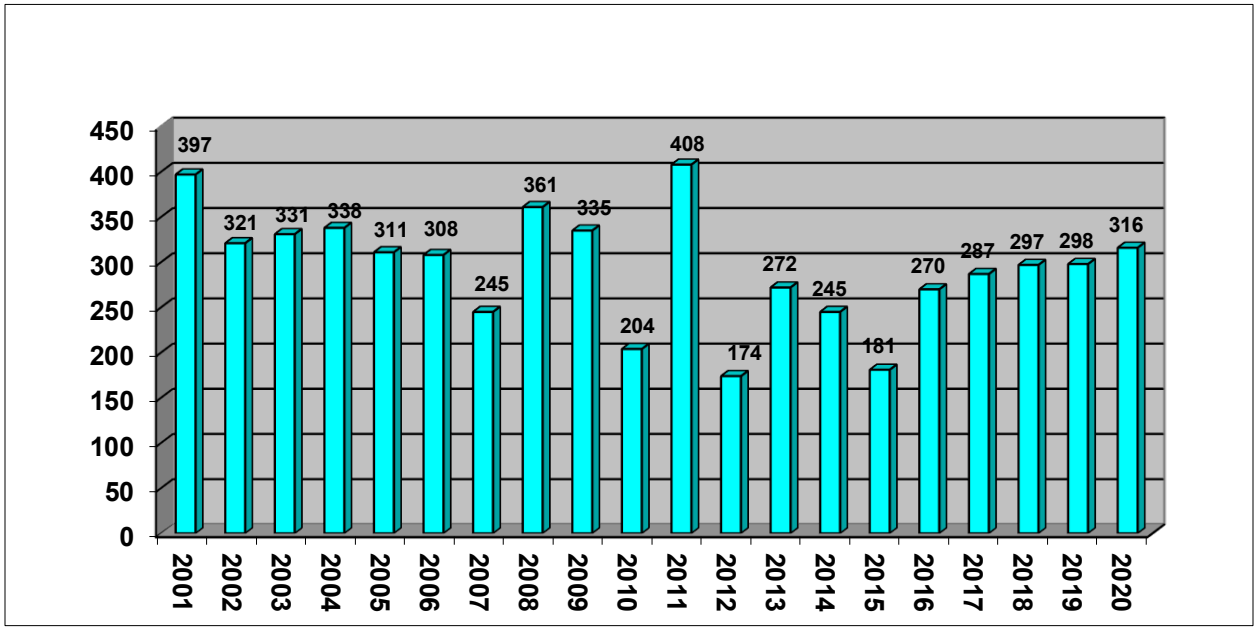
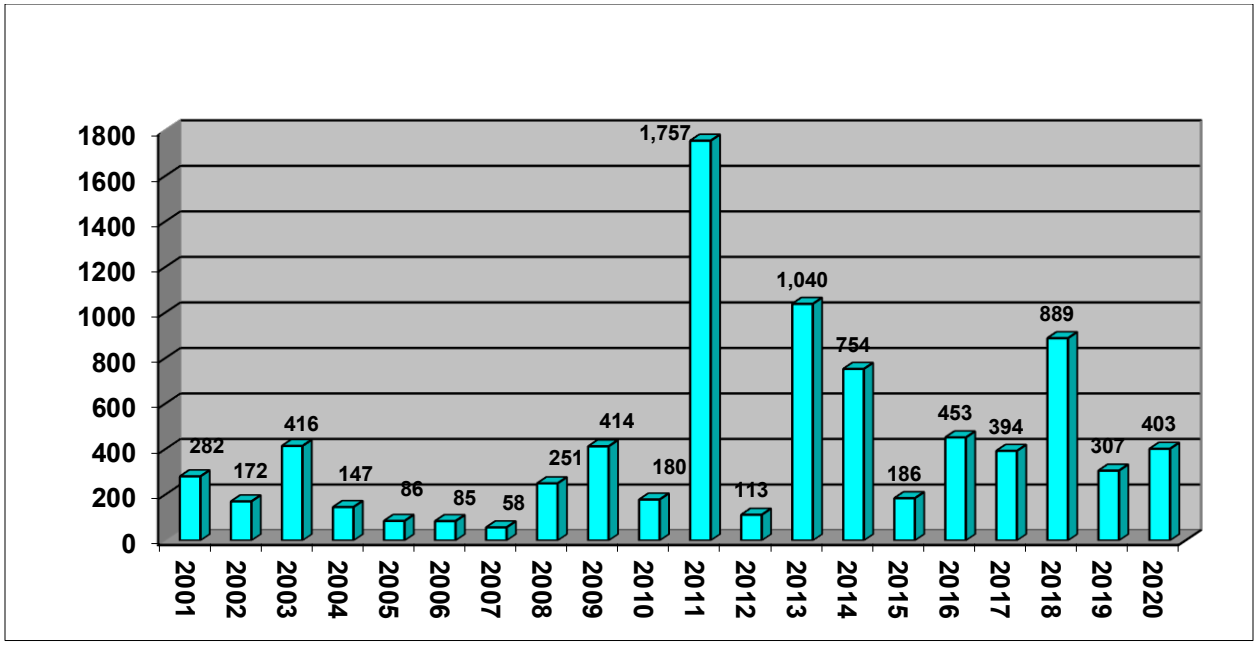


Figure 8: SSO Total Volume/Year (in Millions of Gallons)



As discussed in the CSO/RTB section above, above average precipitation totals in 2020 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.

2020 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 required the MID to conduct a detailed inspection of the collection system, which has been completed. As a result of the inspection results, the MID is currently rehabilitating over 12,000 feet of interceptor at an estimated cost of $40.5 million.

- 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 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, at an estimated cost of $81 million, to meet EGLE's SSO Policy. Due to the substantial scope of the project, the city has requested an extension for the project. It is EGLE's intent to grant the extension and include a revised schedule of October 1, 2023, for completion of the construction in the reissued NPDES Permit.

- 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, 2024, 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.

- 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 all projects associated with the ACO (infiltration and inflow reduction projects, including sewer lining, manhole rehabilitation, and footing drain disconnection pilot projects) and are conducting a PPC to determine if they meet the EGLE SSO Policy. The township spent over $30 million to date to eliminate SSOs.

  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: Phil Argiroff, 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.

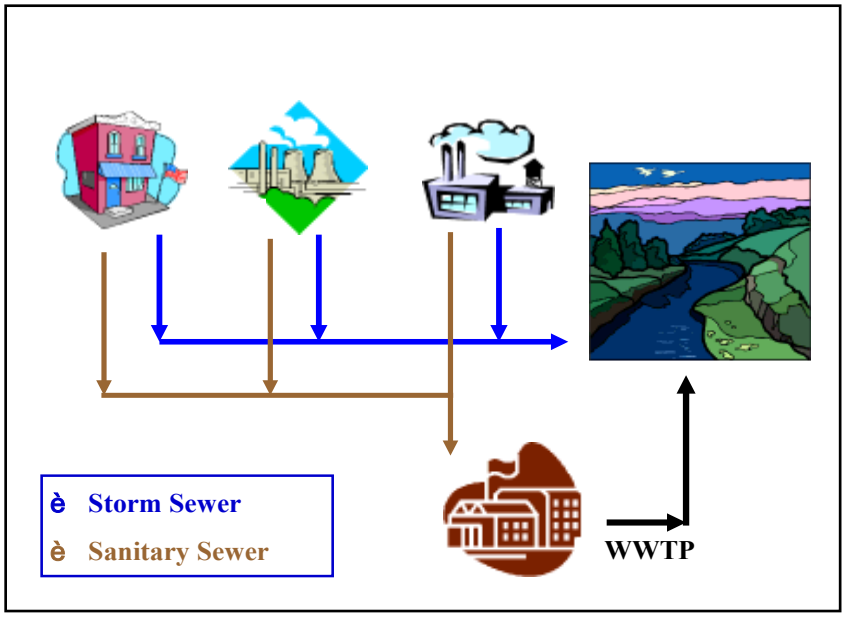
The corrective action to address wet weather-related SSOs is to eliminate the discharge up to a specified rain event by drying up the system, installing retention facilities, and/or to increase transportation and/or treatment capacity of the sewerage system. The corrective action to address CSOs is to 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?

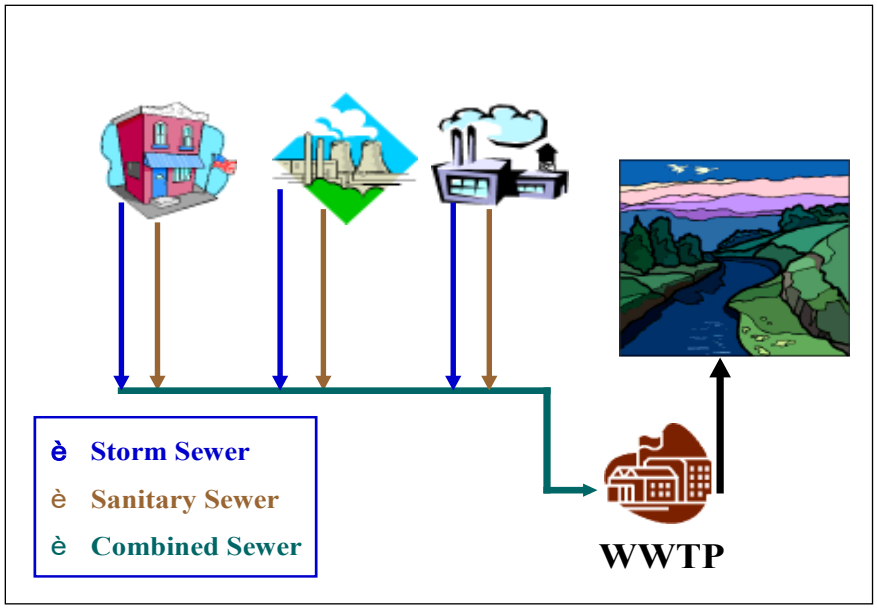
SSOs are releases of raw sewage from separate sanitary sewer collection systems, which are designed to carry sanitary sewage but not storm water. CSOs (untreated discharge) are releases of raw sewage from older combined sewer collection systems designed to carry both sanitary sewage and storm water. 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



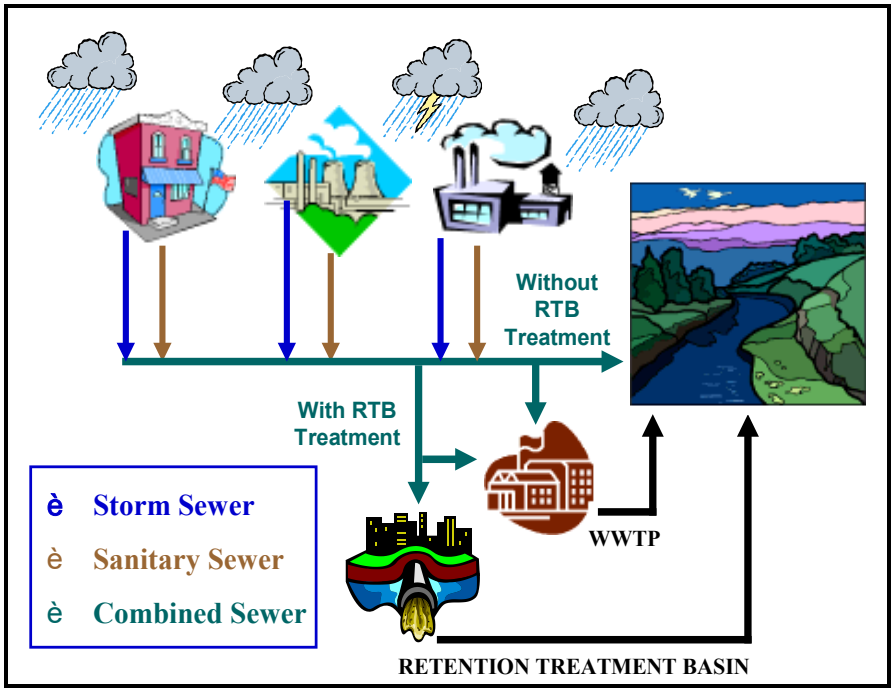
WWTP = wastewater treatment plant

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 over $4.9 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, May 2018, $8.2 million in SAW grants were awarded to 13 recipients and in in in April 2020, $8.6 million in SAW grants were awarded to 19 recipients.

Who Do I Contact for More Information?

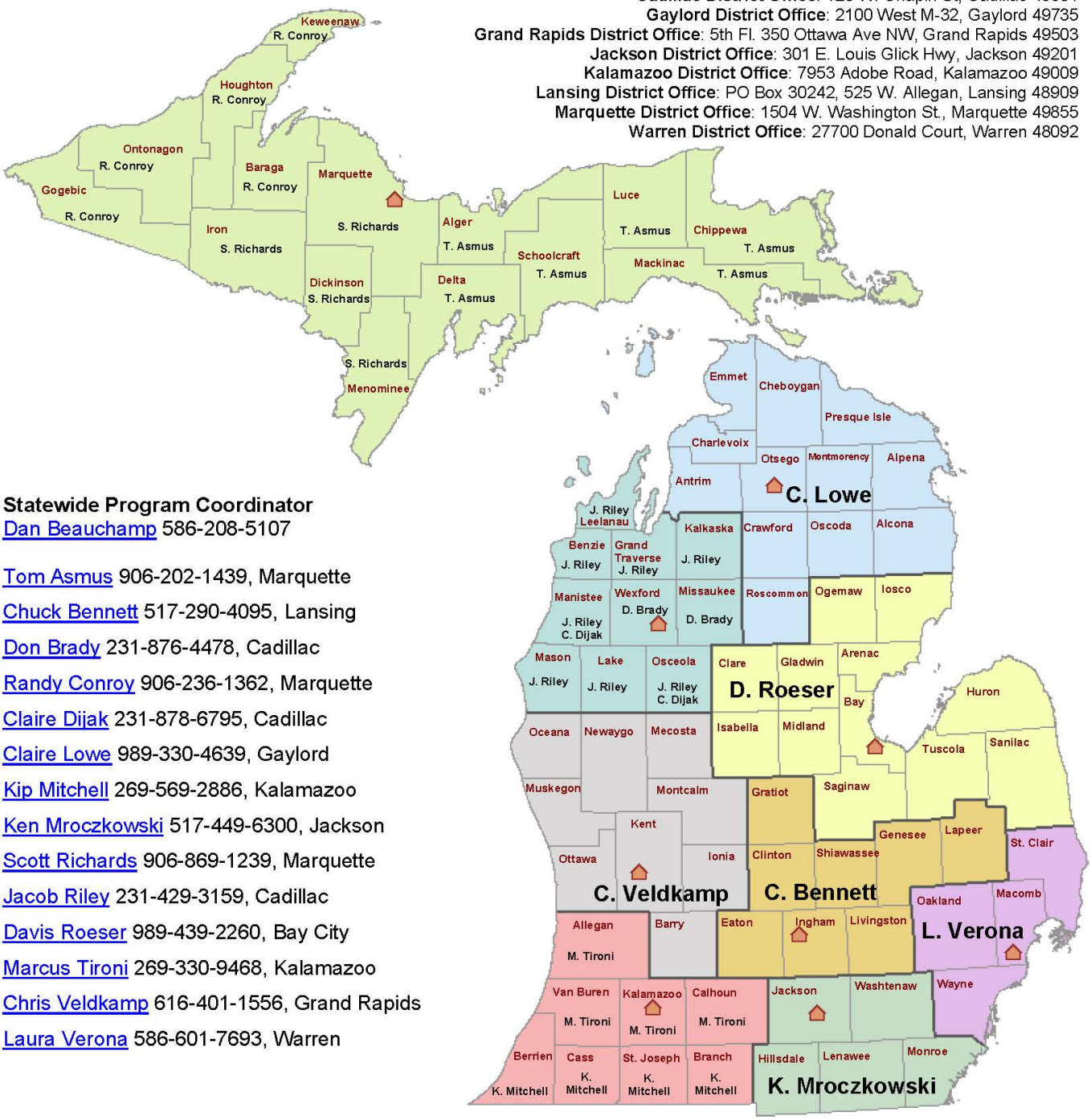
While compiling the information in this report, EGLE identified some data integrity issues and other related problems. These problems and issues were eliminated whenever possible. EGLE has made sincere efforts to assure the accuracy of this report, which is intended for informational purposes only. If 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

6/11/2021

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.

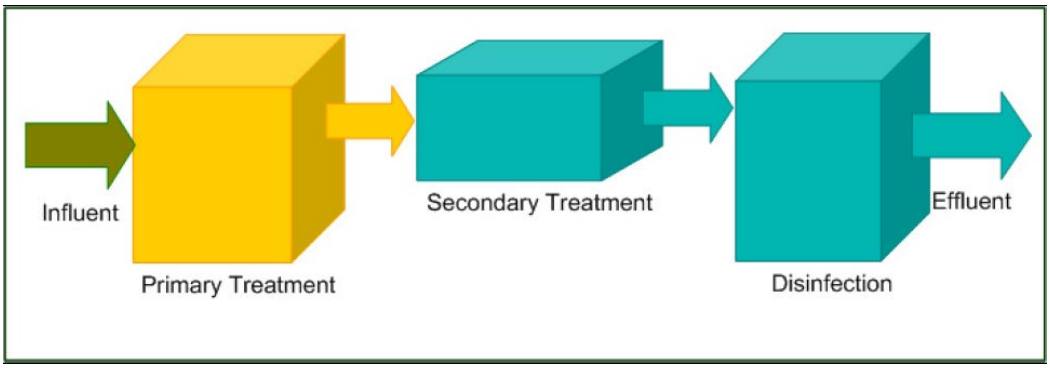
Wastewater Treatment

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

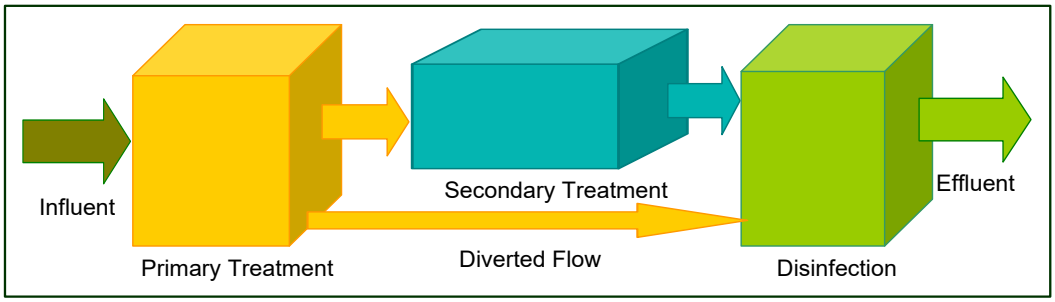


This report summarizes the discharge events of untreated or partially treated sewage from sewer systems. Most of these discharge events are classified as CSOs, RTBs, or SSOs, which are discussed at length elsewhere in this report. Other types of events that are reported are from blending and bypassing 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 contains blended effluent discharges reported in 2020 for facilities with approved blending scenarios in their NPDES permit. There were 5 blending events reported in 2020 representing a volume of 282 million gallons.

What is Bypassing?

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 contains bypass effluent discharges reported in 2020. There were 90 bypass events reported in 2020 representing a volume of 477 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.

Additionally, in 2018, EGLE issued an addendum to the 1994 CSO Control Manual (Addendum). One objective of the Addendum was to align the CSO control program with the other related wet weather programs. Specifically, the post-construction program requirements MS4 permits and the 2002 SSO Policy and associated 2003 Clarification Statement.

Site control measures, when used to address storm water runoff, have the potential to positively impact areas served by both separated and combined sewers. As a result, EGLE intends to reissue NPDES permits with additional control measures for combined sewer areas, where treatment was previously implemented and deemed to be adequate (either presumptive or demonstrative), and that are embedded in or directly adjacent to urbanized areas.

In addition to the MS4 program alignment, the Addendum also aligns CSO discharge standards with the 2002 SSO Policy and 2003 Clarification Statement. The Addendum provides consistency between the SSO and CSO programs by introducing the concept of enforcement discretion for certain discharges from combined sewer systems. Enforcement discretion will be considered for untreated CSOs that discharge only during extreme events. Extreme event discharges are defined as: (1) no more than 1 untreated discharge in ten years from a CSO outfall during the April 1 through October 31 growth period; or (2) modeled to not discharge during the 3.9 inch in 24-hour storm

event (during growth period, with normal soil moisture, rainfall distributed to a SCS Type II distribution).

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.

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 Sewage' Detail Report
January 1 - December 31, 2020

Macomb

Warren WWTP

Warren WWTP

Submission ID. HNW-QC3Y-0FHEN
Permit MI0024295

Start Day	Start Time	End Day	End Time
1/11/2020	10:12:00 PM	1/13/2020	8:15:00 AM

Rain(in.) 2.96
Waterbody: Red Run Drain

Outfall **1**

Blended Sewage (MG)
37.46

Cause: 3 Day Storm event

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

Totals **Warren WWTP**

Blended Sewage (MG)
37.46

County Totals **Macomb**

Blended Sewage (MG)
37.46

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Blended Sewage' Detail Report
January 1 - December 31, 2020

Wayne

Downriver WTF

Downriver WTF

Submission ID. HNW-PRSB-HSBJC
Permit MI0021156

Start Day	Start Time	End Day	End Time
1/11/2020	1:00:00 PM	1/13/2020	5:00:00 PM

Rain(in.) 2.08
Waterbody: Detroit River / Trenton channel

Outfall **001A**

Blended Sewage (MG)
131.46

Cause: This is for secondary bypass. Reason for discharge is from 2+ inches of rain.

SOC: The NPDES permit requires the permittee to complete a program to reduce secondary bypasses at the WWTP to an interim performance goal of no more

Downriver WTF

Submission ID. HNY-K5GR-F53A4
Permit MI0021156

Start Day	Start Time	End Day	End Time
3/28/2020	10:30:00 AM	3/31/2020	3:11:00 AM

Rain(in.) 2.1
Waterbody: Detroit River / Trenton channel

Outfall **001A**

Blended Sewage (MG)
61.19

Cause: Excessive rainfall over night. The system was already saturated from rain in previous days. On 3/28/20 we got 2+ inches of rain over night.

SOC: The NPDES permit requires the permittee to complete a program to reduce secondary bypasses at the WWTP to an interim performance goal of no more

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Blended Sewage' Detail Report
January 1 - December 31, 2020

Downriver WTF

Submission ID. HNZ-VZR9-21796
Permit MI0021156
Outfall **001A**

Start Day	Start Time	End Day	End Time
5/19/2020	8:30:00 AM	5/20/2020	4:30:00 AM

Rain(in.) 1.7
Waterbody: Detroit River / Trenton channel

Blended Sewage (MG)
16.17

Cause: Excessive Rainfall overnight

SOC: The NPDES permit requires the permittee to complete a program to reduce secondary bypasses at the WWTP to an interim performance goal of no more

Downriver WTF

Submission ID. HP2-BGM1-NPCGS
Permit MI0021156
Outfall **001A**

Start Day	Start Time	End Day	End Time
8/28/2020	2:05:00 PM	8/29/2020	2:30:00 PM

Rain(in.) 3.4
Waterbody: Detroit River / Trenton channel

Blended Sewage (MG)
35.50

Cause: The discharge was due to a large amount of rain throughout the day

SOC: The NPDES permit requires the permittee to complete a program to reduce secondary bypasses at the WWTP to an interim performance goal of no more

Totals Downriver WTF

Blended Sewage (MG)
244.32

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Blended Sewage' Detail Report
January 1 - December 31, 2020

County Totals **Wayne**

Blended Sewage (MG)
244.32

Report Totals

Blended Sewage (MG)
281.78

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Bay

West Bay Co Regional WWTP

West Bay Co Regional WWTP

Submission ID. HNX-4YR3-5F81D

Start Day	Start Time	End Day	End Time
1/27/2020	11:50:00 AM	1/27/2020	1:05:00 PM

Waterbody: Storm Water Retention Basin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02000

Cause: After transferring sludge, and operator failed to return valves to their original setting. This caused a sludge holding tank to fill and overflow onto the ground, mostly concrete and asphalt. A much smaller amount, approximately 500-1000 gallons reached the nearest storm sewer catch basin. Plant staff plugged the storm sewer further downstream, then used the vactor truck to clean up the grounds and storm sewer catch basin. The only effect we saw in the stormwater retention basin was a slight sheen on the surface of the water and a small amount of foam or scum. The temperature dropped shortly afterward and the surface froze.

Comment: Other Discharge

Location: 1

Totals **West Bay Co Regional WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02000

EGLE Action: No further action required, West Bay County WWTP contained the SSO and returned to compliance and is provided appropriate training to prevent further events.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

County Totals **Bay**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02000

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Berrien

Benton Harbor-St Joseph WWTP

Benton Harbor-St Joseph WWTP

Submission ID. HP4-FRD5-0G2NS

Start Day	Start Time	End Day	End Time
11/20/2020	1:30:00 PM	11/20/2020	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00090	

Cause: Digested Biosolids. A tank was overfilled.

Comment: Other Discharge

Location: West Yard Area Adjacent to Biosolids Storage Tank 5

Totals **Benton Harbor-St Joseph WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00090	

EGLE Action: No Additional Action Taken at this Time

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

GRSD Sewer Authority WRRF

GRSD Sewer Authority WRRF

Submission ID. HNZ-CGMC-1Z283

Start Day	Start Time	End Day	End Time
4/29/2020	3:45:00 PM	4/29/2020	4:25:00 PM

Rain(in.) = 1.1

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00050	

Cause: Acute wet weather conditions

Comment: Partially treated sewage from Secondary Effluent Line

Location: Secondary Effluent Manhole

GRSD Sewer Authority WRRF

Submission ID. HNZ-S1F0-PZJCQ

Start Day	Start Time	End Day	End Time
5/15/2020	5:55:00 AM	5/15/2020	6:17:00 AM

Rain(in.) = 2.27

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00050	

Cause: Excess rain caused sustained high flows

Comment: Other Discharge

Location: Secondary Effluent Line

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Totals **GRSD Sewer Authority WRRF**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00100	

EGLE Action: No additional action taken at this time

Three Oaks WWSL

Three Oaks WWSL

Submission ID. HP4-TT0Y-BC195

Start Day	Start Time	End Day	End Time
12/7/2020	10:25:00 AM	12/7/2020	10:30:00 AM

Waterbody: Deer Creek

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

Cause: raw sewage from overflow holding tank. operator error, failure to put cap on auxiliary pump before operation.

Comment: raw sewage from auxiliary pump

Location: Three Oaks WWSL

Totals **Three Oaks WWSL**

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

EGLE Action: No Additional Action Taken at this time

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

County Totals	Berrien			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			0.00190	**0.00005**

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Calhoun

Battle Creek WWTP

Battle Creek WWTP

Submission ID. HP4-J353-T6S19

Start Day	Start Time	End Day	End Time
11/25/2020	3:30:00 PM	11/25/2020	3:50:00 PM

Rain(in.) = 0.34

Waterbody: Kalamazoo River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04610	

Cause: Mixed Liquor, reason for discharge power loss and PLC communication failure

Comment: Partially treated sewage

Location: Outfall #3

Totals **Battle Creek WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04610	

EGLE Action: Event reviewed and appears to be remediated. No further action at this time.

County Totals **Calhoun**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04610	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Charlevoix

Charlevoix WWTP

Charlevoix WWTP

Submission ID. HP1-42NC-DPT7X

Start Day	Start Time	End Day	End Time
7/8/2020	11:20:00 AM	7/8/2020	11:25:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00100	

Cause: The contract company, Biotech Agronomics Inc, is using a pump to remove our stabilized biosolids from our sludge storage tank for land application. One of their hoses connected to their pump blew apart causing biosolids to spill on the ground. The pump was immediately turned off and the discharge valve from the storage tank closed to prevent further leakage.

Comment: Stabilized biosolids spilled on WWTP grounds

Location: Charlevoix WWTP grounds

Totals **Charlevoix WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00100	

EGLE Action: Discussed incident with facility and confirmed that cleanup has been completed. No further action at this time.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Other' Detail Report
January 1 - December 31, 2020

East Jordan WWTP

East Jordan WWTP

Submission ID. HNZ-D0FT-CDM2T

Start Day	Start Time	End Day	End Time
4/29/2020	5:45:00 PM	4/29/2020	6:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: Headworks of wastewater plant was overwhelmed with flow due to 1 3/4" of rain that day. Diluted raw sewage backed up and overflowed from the grit removal system onto the surrounding ground.

Comment: Overflow of tank at treatment plant

Location: East Jordan Wastewater Plant

East Jordan WWTP

Submission ID. HP0-DTXR-0HA8T

Start Day	Start Time	End Day	End Time
6/10/2020	10:20:00 PM	6/10/2020	10:40:00 PM

Rain(in.) = 1.18

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: Brief, heavy rainfall sent flow from lift stations to the treatment plant at a rate higher than the plant could physically move through the tanks. A back up occurred at the headworks of the plant, spilling out onto the ground around the grit collection system.

Comment: Other Discharge

Location: East Jordan WWTP

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

East Jordan WWTP

Submission ID. HP1-C1TJ-DW6AB

Start Day	Start Time	End Day	End Time
7/19/2020	5:55:00 AM	7/19/2020	8:00:00 AM

Rain(in.) = 3.31

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01500		

Cause: Heavy rain and high inflow/infiltration overwhelmed the headworks of the wastewater plant. Influent overflowed the grit paddle drive chamber and discharged to the ground surrounding the plant including a stormwater retention basin

Comment: Other Discharge

Location: land only

Totals East Jordan WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01530		

EGLE Action: A violation Notice was sent on 6/9/2020.

County Totals Charlevoix

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01530	**0.00100**	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Chippewa

Sault Ste Marie WWTP

Sault Ste Marie WWTP

Submission ID. HNZ-2073-T7TCK

Start Day	Start Time	End Day	End Time
3/25/2020	8:44:00 PM	3/27/2020	12:57:00 AM

Rain(in.) = 0.63

Waterbody: St. Mary's River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.79400	

Cause: Primary effluent, which received screening, grit removal, chemical addition, and setting prior to blending with flow receiving complete secondary treatment. All flow was disinfected prior to discharge to the St. Marys. Reason for discharge was flow entering into plant exceeded the capacity of secondary treatment.

Comment: Secondary bypass

Location: 1

SOC City is required to submit a corrective action plan by 6/1/2021

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Sault Ste Marie WWTP

Submission ID. HNZ-1ZYZ-PF7R0

Start Day	Start Time	End Day	End Time
3/27/2020	9:52:00 PM	3/28/2020	6:06:00 AM

Rain(in.) = 0

Waterbody: St. Marys River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.38900	

Cause: Primary effluent, which received screening, grit removal, chemical addition, and setting prior to blending with flow receiving complete secondary treatment. All flow was disinfected prior to discharge to the St. Marys. Reason for discharge was flow entering into plant exceeded the capacity of secondary treatment.

Comment: secondary bypass at WWTP

Location: 1

SOC City is required to submit a corrective action plan by 6/1/2021

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Sault Ste Marie WWTP

Submission ID. HNZ-20B0-P3J8F

Start Day	Start Time	End Day	End Time	Rain(in.) = 0.42
3/29/2020	6:10:00 AM	3/31/2020	3:45:00 AM	Waterbody: St. Marys River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	13.35000	

Cause: Primary effluent, which received screening, grit removal, chemical addition, and setting prior to blending with flow receiving complete secondary treatment. All flow was disinfected prior to discharge to the St. Marys. Reason for discharge was flow entering into plant exceeded the capacity of secondary treatment.

Comment: Secondary Bypass

Location: 1

SOC City is required to submit a corrective action plan by 6/1/2021

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Sault Ste Marie WWTP

Submission ID. HNZ-CKQE-6PVE1

Start Day	Start Time	End Day	End Time
4/29/2020	8:00:00 PM	4/30/2020	8:53:00 PM

Rain(in.) = 2.19

Waterbody: St Marys River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	7.20700	

Cause: Primary effluent, which received screening, grit removal, chemical addition, and setting prior to blending with flow receiving complete secondary treatment. All flow was disinfected prior to discharge to the St. Marys. Reason for discharge was flow entering into plant exceeded the capacity of secondary treatment

Comment: Secondary bypass at WWTP

Location: 1

SOC City is required to submit a corrective action plan by 6/1/2021

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Sault Ste Marie WWTP

Submission ID. HP0-QP2Q-QM9T8

Start Day	Start Time	End Day	End Time
6/23/2020	1:35:00 PM	6/24/2020	12:47:00 AM

Rain(in.) = 2.52

Waterbody: St Marys River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.31400	

Cause: Primary effluent, which received screening, grit removal, chemical addition, and setting prior to blending with flow receiving; complete secondary treatment. All flow was disinfected prior to discharge to the St. Marys. Reason for discharge was flow; entering into plant exceeded the capacity of secondary treatment

Comment: Secondary bypass at WWTP

Location: 1

SOC City is required to submit a corrective action plan by 6/1/2021

Sault Ste Marie WWTP

Submission ID. HP2-AKSQ-B0SR8

Start Day	Start Time	End Day	End Time
8/26/2020	10:30:00 PM	8/27/2020	2:00:00 AM

Rain(in.) = 1.61

Waterbody: St Marys River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.17500	

Cause: Primary effluent, which received screening, grit removal, chemical addition, and settling prior to blending with flow receiving complete (secondary) treatment. All flow as disinfected prior to discharge to the St. Mary's River.

Comment: secondary bypass at wastewater plant

Location: SSM WWTP

SOC City is required to submit a corrective action plan by 6/1/2021

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Totals **Sault Ste Marie WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	34.22900	

EGLE Action: CSO control program in NPDES permit. City is currently conducting PPC and unlikely to certify that system can transport and treat flows up the RDS

County Totals **Chippewa**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	34.22900	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Delta

Escanaba WWTP

Escanaba WWTP

Submission ID. HNZ-5AFN-CZ2BB

Start Day	Start Time	End Day	End Time
3/29/2020	6:30:00 AM	4/10/2020	1:00:00 PM

Rain(in.) = 0.68

Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	18.87300	

Cause: High ground water, Snow melt, and a rain event. The volume discharged is the sum of all measurements of flow over the by-pass weir and compared to the flow chart. We started with allowing flows of 4.1 MGD to the finals, but after seeing signs of solids flowing over the final weir, we reduced the flows to only 3.1 MGD.

Comment: Partially treated wastewater

Location: 1

Escanaba WWTP

Submission ID. HP0-JS08-69FCS

Start Day	Start Time	End Day	End Time
6/10/2020	8:00:00 PM	6/12/2020	8:45:00 AM

Rain(in.) = 2.8

Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.50000	

Cause: Two rain events created higher flows at the plant, and we initiated a by-pass according to our current wet weather operations plan.

Comment: Partially Treated Wastewater

Location: 1

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Totals **Escanaba WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	20.37300	

EGLE Action: Referred for escalated enforcement

County Totals **Delta**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	20.37300	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Dickinson

Sagola Twp Channing WWSL

Sagola Twp Channing WWSL

Submission ID. HP1-NFJD-N33DS

Start Day	Start Time	End Day	End Time
7/26/2020	12:00:00 AM	7/31/2020	12:30:00 AM

Rain(in.) = 4.75

Waterbody: Ford River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.08600	

Cause: Lagoon discharge, valves found to be leaking for up to 5 days since lagoon levels rose abruptly in connection with 4 Plus inches of rain received Sunday July 26th. The 5 day duration is estimated. Report filed upon discovery. Flow estimated at 12 GPM.

Comment: Partially treated wastewater leaking through lagoon discharge valve.

Location: 1

Totals **Sagola Twp Channing WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.08600	

EGLE Action: EGLE WRD staff discovered discharge with Township during Compliance Evaluation Inspection. Violation Notice VN-011009 was issued.

County Totals **Dickinson**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.08600	

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Eaton

Bellevue WWTP

Bellevue WWTP

Submission ID. HNZ-W8KD-E0RRA

Start Day	Start Time	End Day	End Time
5/18/2020	11:50:00 AM	5/19/2020	11:00:00 PM

Rain(in.) = 5

Waterbody: Battle Creek River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.75000	

Cause: Heavy rain event exceeding plant capabilities. There is a bypass built into the existing UV disinfection system for high flows.

Comment: Other Discharge

Location: Bellevue WWTP

Totals **Bellevue WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.75000	

EGLE Action: This discharge event is currently under evaluation by the department

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Grand Ledge WWTP

Grand Ledge WWTP

Submission ID. HNW-PHA5-22SNZ

Start Day	Start Time	End Day	End Time
1/11/2020	6:15:00 AM	1/14/2020	3:09:00 PM

Rain(in.) = 2.57

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.19149	

Cause: Discharge is a diluted partially treated Wastewater flow. The dis charge is due to saturated soil conditions combined with excessive rain fall.

Comment: Other Discharge

Location: 001A

Grand Ledge WWTP

Submission ID. HNZ-W5AT-C719Y

Start Day	Start Time	End Day	End Time
5/18/2020	3:34:00 AM	5/20/2020	3:00:00 PM

Rain(in.) = 2.93

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.66143	

Cause: Partially treated wastewater treatment consist of disinfection and solids settling caused by extreme amount of rainfall in a short time span

Comment: Wet Weather EQ Basin

Location: Grand Ledge Wastewater Wet Weather EQ Basin

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

Totals **Grand Ledge WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	10.85292	

EGLE Action: It was determined that the precipitation exceeds the remedial design capacity of the facility

River Rock Landing Condo

River Rock Landing Condo

Submission ID. HNZ-W0J1-C9VV2

Start Day	Start Time	End Day	End Time
5/18/2020	1:45:00 PM	5/19/2020	7:35:00 AM

Rain(in.) = 4.8

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.31632	

Cause: Discharge was of FULLY TREATED wastewater. Wet weather event (4.8" of rainfall over 5 days) exceeded the seepage pond's capacity to store the additional rainfall for groundwater discharge. Both groundwater swell and rainwater caused the pond to rise rapidly to the flood elevation of the discharge structure. Volume calculated by area of the water surface and depth discharged.

Comment: Other Discharge

Location: Outfall 001

Totals **River Rock Landing Condo**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.31632	

EGLE Action: The discharge event is currently under review by the Department

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

County Totals	Eaton			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
			11.91924	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Genesee

Flint WWTP

Flint WWTP

Submission ID. HNW-PNAJ-6BW2B

Start Day	Start Time	End Day	End Time
1/11/2020	9:07:00 AM	1/12/2020	10:15:00 PM

Rain(in.) = 2.47

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	64.21000	

Cause: partially treated with bleach and oxygen added and wet weather that exceeded the treatment plants designed capacity

Comment: Other Discharge

Location: former Outfall 003

Flint WWTP

Submission ID. HNX-5P4J-A3VRF

Start Day	Start Time	End Day	End Time
1/30/2020	11:15:00 AM	1/30/2020	12:15:00 PM

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05000	

Cause: Digested biosolids from a holding tank. The discharge resulted from a broken agitator which connects through the tank. When the agitator broke, the seal holding the unit in place ruptured, resulting in the discharge of digested biosolids on to the surrounding ground from the hole left in the wall of the tank.

Comment: Other Discharge

Location: Storm Sewer Outfall #005

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Flint WWTP

Submission ID. HNZ-VQ9C-2ATWS

Start Day	Start Time	End Day	End Time
5/19/2020	2:48:00 AM	5/20/2020	2:30:00 PM

Rain(in.) = 2.46

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	18.91000	

Cause: The discharge was partially treated with Sodium Hypochlorite (strong bleach) and Oxygen. The discharge was caused by wet weather (rain) that exceeded the treatment plant's design capacity.

Comment: Other Discharge

Location: Outfall #003

Totals Flint WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	83.17000	

EGLE Action: The discharge event is currently under review by the Department

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Other' Detail Report
January 1 - December 31, 2020

Genesee Co-Ragnone WWTP

Genesee Co-Ragnone WWTP

Submission ID. HNX-WGJB-2R759

Start Day	Start Time	End Day	End Time
2/27/2020	11:00:00 AM	2/27/2020	2:40:00 PM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00021	

Cause: During a pilot test using plant primary effluent, pilot unit effluent sump pump was overwhelmed, backup pump discharge line was frozen and sump overflowed onto frozen ground. Sump overflowed intermittently.; Reason for discharge was due to freezing pipes and mechanical failure.

Comment: Partially Treated sewage

Location: pilot project at primary treatment tank

Genesee Co-Ragnone WWTP

Submission ID. HNZ-AP6Y-S7SG1

Start Day	Start Time	End Day	End Time
4/24/2020	11:20:00 PM	4/25/2020	9:50:00 PM

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04200	

Cause: Discharge was Primary Effluent flow to a auxiliary treatment pilot being tested. A fernco "T" supplying flow to be further treated came apart and pooled before oozing across grassy area before less than 1000 G reached a storm sewer. The discharge was minimal due to in vessel containment, ground pooling/soaking, under drain system, etc.

Comment: Partially Treated Primary Effluent

Location: Storm Sewer N of outfall 001A

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Genesee Co-Ragnone WWTP

Submission ID. HNZ-X016-6S00V

Start Day	Start Time	End Day	End Time
5/20/2020	8:40:00 AM	5/20/2020	9:00:00 AM

Rain(in.) = 2.95

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00150		

Cause: Due to the recent heavy storm and associated high rain amounts, the sewer that serviced one of our buildings plugged suddenly at 8:40 a.m. Discharge was stopped within 20 minutes. Plant personnel plugged the storm drain, isolating the runoff to a small portion of county property. The entire area was vacuumed successfully, recovering the total volume discharged. The impacted ground was limed, and the entire area was cleaned up within 4 hours. No areas outside the county property were affected.

Comment: Other Discharge

Location: AR Treatment Plant Farrand Road

Totals Genesee Co-Ragnone WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00150	**0.04221**	

EGLE Action: No further action at this time

County Totals Genesee

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00150	**83.21221**	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Gogebic

Bessemer Twp WWSL

Bessemer Twp WWSL

Submission ID. HNY-P947-58FHH

Start Day	Start Time	End Day	End Time
3/29/2020	1:00:00 AM	4/7/2020	7:00:00 AM

Rain(in.) = 1.5

Waterbody: Black River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03000		

Cause: The Primary pond is full from over the winter, it is overflowing to the Secondary pond. The Secondary pond has stopped overflowing because I started my normal discharging.

Comment: The secondary pond at the lagoon is overflowing. SSO discharge is diluted sewage. Flow is trickling over the overflow window.

Location: 1

SOC sewer upgrade scheduled for spring 2021

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Bessemer Twp WWSL

Submission ID. HNW-FKBZ-2YYT8

Start Day	Start Time	End Day	End Time
8/4/2020	7:00:00 AM	8/13/2020	7:00:00 AM

Rain(in.) = 2.5

Waterbody: Black River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.46656		

Cause: Lagoon ponds overflowed due to INI, heavy rains, more people at home due to the covid. randy conroy gave me emergency permission to discharge to make room until October.

Comment: Other Discharge

Location: Black River

Totals Bessemer Twp WWSL

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.49656		

EGLE Action: required I&I removal

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Gogebic-Iron WW Authority WWTP

Gogebic-Iron WW Authority WWTP

Submission ID. HNY-M3KD-XXDPX

Start Day	Start Time	End Day	End Time
3/29/2020	1:59:00 AM	3/29/2020	5:00:00 PM

Rain(in.) = 1.54

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.82200	

Cause: Rainfall in addition to melting snow on saturated ground

Comment: Partially treated sewage from flow equalization basin

Location: 2

SOC construct sanitary sewer upgrades and demonstrate sewage transmission capacity by 10/31/2022

Gogebic-Iron WW Authority WWTP

Submission ID. HNY-QRY7-FSC4N

Start Day	Start Time	End Day	End Time
4/3/2020	1:13:00 AM	4/4/2020	3:15:00 AM

Rain(in.) = 3.59

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.53600	

Cause: Rapid Melting of snow pack on saturated ground

Comment: Partially Treated Sewage from Equalization Basin

Location: 2

SOC construct sanitary sewer upgrades and demonstrate sewage transmission capacity by 10/31/2022

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Gogebic-Iron WW Authority WWTP

Submission ID. HNY-VZ62-QX8JA

Start Day	Start Time	End Day	End Time
4/7/2020	6:00:00 PM	4/8/2020	2:00:00 AM

Rain(in.) = 0.21

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.29400	

Cause: Rainfall & Snowmelt on Saturated ground

Comment: Partially Treated Sewage

Location: 2

SOC construct sanitary sewer upgrades and demonstrate sewage transmission capacity by 10/31/2022

Gogebic-Iron WW Authority WWTP

Submission ID. HNZ-C7HM-QM7F6

Start Day	Start Time	End Day	End Time
4/28/2020	11:45:00 PM	4/29/2020	6:20:00 AM

Rain(in.) = 1.3

Waterbody: Montreal River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.30150	

Cause: Bypass flow since treatment plant was at full capacity

Comment: Partially Treated Wastewater

Location: 2

SOC construct sanitary sewer upgrades and demonstrate sewage transmission capacity by 10/31/2022

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Totals **Gogebic-Iron WW Authority WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.95350	

EGLE Action: Permit contains a wet weather flow elimination program

County Totals **Gogebic**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.49656	**1.95350**	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Grand Traverse

Fife Lake Area Utility Auth

Fife Lake Area Utility Auth

Submission ID. HNW-JRZM-RNMMH

Start Day	Start Time	End Day	End Time
1/4/2020	4:30:00 PM	1/5/2020	10:30:00 AM

Waterbody: wetland at 10421 Vans Lane, Fife Lake, Mi,

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.43200	

Cause: fully treated Effluent from final finishing lagoon. Plant was vandalized by an unauthorized tresspasser who opened valves and turned on the irrigation pumps on 1/4/2020 approx 4:30 pm and was shut off on 1/5/2020 at 10:30am upon becoming informed of the condition

Comment: Other Discharge

SOC There are a dozen items listed on the January 8 Compliance Communication which is uploaded into MiWaters. Ray Ravary and FLAUA did an excellent job of responding to this CC. They did a lot more, and plan to do more, prevention items that were listed abo

Totals **Fife Lake Area Utility Auth**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.43200	

EGLE Action: After learning of the sewage release from the operator on Monday, January 6 at about 8:30 am, EGLE managers were immediately convened to discuss the appropriate response. EGLE then contacted the operator to make sure that the response to the release foll

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Traverse City WWTP

Traverse City WWTP

Submission ID. HP1-CR3T-WYA2N

Start Day	Start Time	End Day	End Time
7/19/2020	2:30:00 PM	7/19/2020	5:00:00 PM

Rain(in.) = 1.5

Waterbody: Boardman River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.26200	

Cause: Please see additional detail section for description of event

Comment: Partially treated final effluent. UV system bypass

Location: 001A

SOC City in a signed ACO agreement with EGLE on UV Upgrades

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Traverse City WWTP

Submission ID. HP3-QJNF-Y2EDV

Start Day	Start Time	End Day	End Time
10/23/2020	9:55:00 AM	10/29/2020	2:00:00 PM

Rain(in.) = 3.96

Waterbody: Boardman River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	56.12400	

Cause: The UV system is still bypassed at the time of this report submittal. The volume discharged is the volume discharge up to the time of this submission and will be updated in final report. The event end time is estimated and will also be updated in the final report. Please see additional details.

Comment: Partially Treated Effluent

Location: Boardman River

SOC Part of ACO agreement to implement UV system fixes

Totals Traverse City WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	57.38600	

EGLE Action: An ACO has been entered and requires modifications to the UV system

County Totals Grand Traverse

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	57.81800	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Huron

MDNR-Port Crescent SP WWSL

MDNR-Port Crescent SP WWSL

Submission ID. HP3-1HER-SK39J

Start Day	Start Time	End Day	End Time
9/3/2020	1:00:00 PM	9/4/2020	8:00:00 AM

Waterbody: Pinnebog River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04590	

Cause: Discharge was a result of Cell #2 being overfilled after being isolated. The aeration tank was emptied unknowingly into cell #2 after isolation causing the level to rise over the emergency overflow pipe.

Comment: part treated

Location: Anhern Drain

Totals **MDNR-Port Crescent SP WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04590	

EGLE Action: Violation Notice to be issued.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Owendale WWSL

Owendale WWSL

Submission ID. HP4-K06B-SEFRJ

Start Day	Start Time	End Day	End Time
4/1/2020	12:00:00 AM	9/18/2020	11:00:00 AM

Waterbody: Dufty Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06901	

Cause: top valves at each effluent structure were faulty

Comment: The reported discharge was partially treated sewage

Location: Cell 1 and 2 outfall structures

Totals **Owendale WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06901	

EGLE Action: Violation notice issued. Rehabilitation to the treatment system required including upgrades to the outfall structures.

County Totals **Huron**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.11491	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Ingham

East Lansing WRRF

East Lansing WRRF

Submission ID. HNY-NJ2K-4ZX94

Start Day	Start Time	End Day	End Time
3/28/2020	6:00:00 PM	3/28/2020	6:30:00 PM

Rain(in.) = 1.2

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00500	

Cause: Discharge was return activated sludge from the south plant final clarifiers and Tertiary filter backwash water. Both of these flows enter an elevated structure that gravity feeds to the south plant aeration tanks. During the rain event the return pumps for the clarifiers were set to maximum, then when a Tertiary filter was washed, the additional flow was more than the chamber could discharge, causing the structure to overflow.

Comment: Overflow of a Final Clarifier return sludge chamber that gravity feeds to the aeration tanks.

Location: Clarifier RAS

Totals **East Lansing WRRF**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00500	

EGLE Action: No further action at this time.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Mason WWTP

Mason WWTP

Submission ID. HNW-R6E3-X0BBA

Start Day	Start Time	End Day	End Time
1/11/2020	1:00:00 PM	1/12/2020	7:00:00 PM

Rain(in.) = 3

Waterbody: Rayner Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
4.00000		

Cause: a portion of the wastewater was bypassed before entering the wastewater treatment plant due to the collection system being surcharged and sewage backups occurring into the residents homes.

Comment: Other Discharge

Location: Headworks and primary clarifiers

SOC SSO elimination

Totals **Mason WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
4.00000		

EGLE Action: The discharge event is currently under review by the Department.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Williamston WWTP

Williamston WWTP

Submission ID. HNW-RC77-VFMMD

Start Day	Start Time	End Day	End Time
1/11/2020	1:30:00 PM	1/12/2020	7:00:00 AM

Rain(in.) = 2.52

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.64800	

Cause: As a means of retaining treatment solids in the Williamston WWTP secondary aeration tanks and in order to prevent multiple potential violations, we found it necessary to shut down the blower that keeps the secondary treatment solids aerated and in suspension. The WWTP experienced excessively high influent flows from rain and snow melt Saturday afternoon(1/11/2020) at approximately 1:30 pm, through Sunday morning (01/12/2020) at approximately 7:00 am, and the blower was cycled on and off throughout this period. The cycle that we found worked best was: three hours with the blower off, alternated with 4 hours of the blower on. There is no way to control the amount of water entering the plant when an unusual event like this occurs, so water must continue to move though the facility or it will back up into homes and businesses.

Comment: Partially treated sewage from intermittent secondary treatment blower shut down.

Location: MI0021717

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Williamston WWTP

Submission ID. HNZ-YDPJ-2RXWN

Start Day	Start Time	End Day	End Time
5/18/2020	4:45:00 PM	5/21/2020	6:20:00 AM

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	3.53000	

Cause: Extremely high flows at the WWTP due to massive flooding required us to intermittently shut down secondary treatment aeration blowers in order to retain treatment solids (MLSS and MLVSS).

Comment: Partially Treated Sewage

Location: City of Williamston WWTP, Outfall 001A

Williamston WWTP

Submission ID. HP2-M4K2-E26PZ

Start Day	Start Time	End Day	End Time
9/8/2020	9:00:00 AM	9/8/2020	10:10:00 AM

Rain(in.) = 1.41

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.05200	

Cause: A temporary discharge of partially treated sewage. The North final clarifier is out of service for maintenance and repairs, and the South final clarifier could not handle the large hydraulic load from an unexpected rain storm.

Comment: Partially treated sewage

Location: City of Williamston WWTP, Outall 001A

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Totals **Williamston WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	4.23000	

EGLE Action: The discharge event is currently under review by the Department.

County Totals **Ingham**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
4.00000	**4.23500**	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Iron

West Iron Co SA WWTP

West Iron Co SA WWTP

Submission ID. HP1-BAT8-9QWGA

Start Day	Start Time	End Day	End Time
7/8/2020	8:00:00 PM	7/9/2020	2:00:00 AM

Rain(in.) = 6

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00040	

Cause: Bad Rain Thunderstorm of 6" of rain in 4-6 hour span causing overflow of RBC tanks at the plant onto the ground over the RBC decks.

Comment: Untreated partially treated sewage

Location: West Iron County Sewer Authority Wastewater Plant

Totals **West Iron Co SA WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00040	

EGLE Action: Reviewed the site and tankage 07/15/20 during CEI. Confirmed partially treated WW was largely captured on paved surface and directed to filtrate wet well.

County Totals **Iron**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00040	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Jackson

Jackson WWTP

Jackson WWTP

Submission ID. HP5-5QZM-J4M8Q

Start Day	Start Time	End Day	End Time
12/21/2020	3:00:00 AM	12/21/2020	4:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00200	

Cause: Discharge was from the primary solids going into the digester. It appears we have a pipe that leaks.

Comment: Other Discharge

Location: Digester #6 bank

Totals **Jackson WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00200	

EGLE Action: Follow up on pipe repair.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Leoni Twp WWTP

Leoni Twp WWTP

Submission ID. HNW-S2NX-3YPCN

Start Day	Start Time	End Day	End Time
1/13/2020	5:45:00 PM	1/21/2020	3:00:00 PM

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.00000	

Cause: Leoni Township WWTP required a partial bypass of some unit treatment processes due to high flow rates and a failure of an internal structure associated with the former lagoon site. ; ; The equalization lagoon was pumped directly to the disinfection to accommodate the required level of drop to accommodate the mitigation of the leaking structure. This effort required dropping the equalization pond level approximately 5 feet. Multiple grab samples were taken daily to monitor the discharge. This continued through the entirety of the bypass event.

Comment: Other Discharge

Location: Grand River

Leoni Twp WWTP

Submission ID. HNY-M0PH-SNKX9

Start Day	Start Time	End Day	End Time
3/28/2020	3:00:00 PM	3/28/2020	6:00:00 PM

Rain(in.) = 1.11

Waterbody: Unnamed Tributary to Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00075	

Cause: partially treated secondary effluent, minor over flow of secondary tank, The plant alarm system failed to call operators.

Comment: partially treated sewage

Location: WWTP

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Totals **Leoni Twp WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.00075	

EGLE Action: Informal Compliance & Enforcement Action being taken.

County Totals **Jackson**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	5.00275	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Kent

Riverview Estates MHC

Riverview Estates MHC

Submission ID. HP2-EG8V-QDR3K

Start Day	Start Time	End Day	End Time
8/31/2020	10:00:00 AM	8/31/2020	2:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00500	

Cause: Power outage caused the treatment system PLC to lock up and treatment processes were halted. This also prevented an emergency call-out. Tanks continued to fill over the weekend and eventually them reached their capacity and an overflowed. During the normal Monday visit by operations personnel, the overflow event was discovered.

Comment: Other Discharge

Location: Riverview Mobile Home Park WWTP

Totals **Riverview Estates MHC**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00500	

EGLE Action: Event is being reviewed.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Saddle Ridge Condo-Algoma

Saddle Ridge Condo-Algoma

Submission ID. HNZ-WTNZ-EGZR6

Start Day	Start Time	End Day	End Time
5/19/2020	2:30:00 PM	5/19/2020	2:50:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00080	

Cause: Mixed Liquor escaped from the lid of reactor 2 during regular operations of the plant. A check-valve on the Skid 1 backwash pump failed causing settled solids to accumulate in a number of places including an Equalization/feed pump pipe that runs between the two reactors. This caused a differential between the levels of reactor 1 and reactor 2. It had been appx 15" different overnight, but apparently came to a head during the system fill process. The system could not see that it was overfilling one reactor vs underfilling the other. Mixed Liquor was retained within adjacent ravine and was not allowed to contact outfall wet lands or surface waters. All liquid in the ravine was removed by Vactor.

Comment: Other Discharge

Location: Saddle Ridge Waste Water Plant

SOC see ACO-05326

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Saddle Ridge Condo-Algoma

Submission ID. HP0-H51H-SAETP

Start Day	Start Time	End Day	End Time
6/10/2020	6:30:00 PM	6/10/2020	10:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00055	

Cause: Unknown reason for discharge. Foam began to build earlier in day. Levels in both tanks lowered, and foam appeared to slowly subside. At some point after departure, foam began forcing its way out of lid of No.1 reactor. Plummers was called and recovered foam which ranged from thin/frothy to nearly jello-like. Levels were lowered to min operating. A sample was taken and showed no indicator organisms/filaments. No operational changes had been implemented at the plant prior to the event. Reactor 2 showed no change in operation; no additional foam generation/accumulation during any part of the previous or following days. Both Reactors generally run appx 1.5 to 2.5 inches of light to medium frothy foam. This foam does not degrade with time nor does it disappear with water spray from above. At this time, reason for discharge is unknown. It should be noted that this occurred during a power outage and landlines were also down. The plant had no communications/remote access.

Comment: Slurp Foam from Reactor 1

Location: Saddle Ridge Wastewater Plant

SOC see ACO-05326

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Saddle Ridge Condo-Algoma

Submission ID. HP1-KX1D-A3QVY

Start Day	Start Time	End Day	End Time
7/28/2020	6:00:00 AM	7/28/2020	9:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00050

Cause: A concentrated slug-load of debris in the Influent backed up into the discharge of the Drum-Screen, causing it to cease functioning. This, in turn, caused Influent to overflow the unit and spill onto the floor. The drains worked until the debris caused the grates to plug, which caused Influent to escape the building through all doors.

Comment: Raw Sewage Water overflowing Headworks debris removal process.

Location: Saddle Ridge Waste Water Treatment Plant

SOC see ACO-05326

Totals Saddle Ridge Condo-Algoma

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00135	**0.00050**

EGLE Action: The permittee has entered an Administrative Consent Order (ACO-05326) with WRD, effective 12/2/2019, to address alleged violations of NPDES Permit No. MI0056723. The compliance schedule outlined in the ACO is intended to work toward addressing facility op

County Totals Kent

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00635	**0.00050**

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Lapeer

Lapeer WWTP

Lapeer WWTP

Submission ID. HNW-QE3H-2F4WV

Start Day	Start Time	End Day	End Time
1/11/2020	10:00:00 AM	1/12/2020	4:30:00 AM

Rain(in.) = 2.57

Waterbody: South Branch of the Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.53000	

Cause: Heavy rains, saturated ground. Ground water and infiltration.

Comment: Other Discharge

Location: 1

Totals **Lapeer WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.53000	

EGLE Action: To be determined by the Department

County Totals **Lapeer**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.53000	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Livingston

Brighton Twp WWTP

Brighton Twp WWTP

Submission ID. HP4-A8BT-2352M

Start Day	Start Time	End Day	End Time
11/15/2020	5:30:00 AM	11/15/2020	9:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01000	

Cause: At about 8:00 to 8:30 AM on Sunday, November 15, 2020, the operator checking the Brighton Township WWTP noticed wastewater running over the #1 oxidation ditch wall influent chamber. He also noted that the water in the final clarifier was approximately 2 to 3 feet below normal. In order to create time to diagnose the problem, plant flow was diverted to the second oxidation ditch which was empty at the time. This action stopped the overflow. It was determined that the influent gate valve into oxidation ditch #1 was plugged. Based on the amount of wastewater that was on the ground and the level in the final clarifier, we estimate that the overflow began at approximately 5:00 to 5:30 AM on Sunday, November 15, 2020. ; We believe that the blockage has accumulated over a period of years and contains grit and trash from the influent wastewater and sand from the filter reject water.

Comment: Overflow from wastewater treatment plant tank

Location: Brighton Township Wastewater Treatment Plant

Totals **Brighton Twp WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01000	

EGLE Action: Sent a Compliance Communication on 12/21/2020.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Hamburg Township WWTP

Hamburg Township WWTP

Submission ID. HP0-QJ5W-Z3YGV

Start Day	Start Time	End Day	End Time
6/21/2020	12:00:00 AM	6/21/2020	11:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06600	

Cause: Waste valve failed in the open position, filled and overflowed the storage tanks

Comment: sludge storage tank overflow

Location: Hamburg Township WWTP

Totals **Hamburg Township WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06600	

EGLE Action: The discharge event is currently under review by the Department

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Northfield Twp WWTP

Northfield Twp WWTP

Submission ID. HNW-R9WD-AT5H6

Start Day	Start Time	End Day	End Time
1/11/2020	11:00:00 PM	1/12/2020	11:00:00 PM

Rain(in.) = 2.7

Waterbody: Horseshoe Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.50000	

Cause: Partially bypassed flow coming from the trickling filter around the aeration system to avoid loosing biomass. The tertiary filters were also bypassed because of high flows.

Comment: Partially treated sewage

Location: Horseshoe Drain

Totals **Northfield Twp WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.50000	

EGLE Action: Violation Notice was sent on 2/10/20 to address the discharge

County Totals **Livingston**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.57600	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Marquette

Richmond Twp WWTP-Marquette Co

Richmond Twp WWTP-Marquette Co

Submission ID. HNX-4YW1-ZE2S0

Start Day	Start Time	End Day	End Time
1/23/2020	11:30:00 PM	4/10/2020	11:00:00 PM

Waterbody: Warner Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.90000	

Cause: Lagoon effluent was treated. Disinfection and de chlorination facilities are temporarily offline. Township is working to bring disinfection facilities back online. Volume was estimated at 24 gpm over the period of 01/12/20 to 4/10/20 (85 days).

Comment: Other Discharge

Location: 001A

Totals **Richmond Twp WWTP-Marquette Co**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.90000	

EGLE Action: Worked closely with Township staff to return system to compliance ASAP. Also, Violation Notice VN-010561 issued April 15, 2020.

County Totals **Marquette**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.90000	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Menominee

Dunn Paper - Menominee

Dunn Paper - Menominee

Submission ID. HP4-4V0Z-Y22HY

Start Day	Start Time	End Day	End Time
11/8/2020	7:15:00 PM	11/8/2020	8:15:00 PM

Waterbody: Menominee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04300	

Cause: Air compressor failed which led to the level indicator on the transfer pit to fail as well. The pumps did not kick on so the transfer pit overflowed into the yard and eventually into the river.; The discharge is a blend of paper mill process water that includes paper fibers with river sediment from our river water filter plant. These are estimated values as well at a worst case scenario. Our best case scenario is 15,000 gallons.

Comment: Other Discharge

Location: Transfer Pit Pump House

Totals **Dunn Paper - Menominee**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04300	

EGLE Action: See Compliance Communication CC-002960

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Meyer Twp Sewer Dist WWSL

Meyer Twp Sewer Dist WWSL

Submission ID. HNX-HH01-SMJ2F

Start Day	Start Time	End Day	End Time
2/17/2020	9:38:00 AM	2/21/2020	11:00:00 AM

Rain(in.) = 0

Waterbody: Little Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
8.00000		

Cause: Sewer retention lagoon is full to capacity an must be discharged to avoid overflow and damage to the lagoon itself.

Comment: Other Discharge

Location: 001 Little Cedar River

Totals **Meyer Twp Sewer Dist WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
8.00000		

EGLE Action: Causation of out of season discharge was discussed at length with the Operator as well as Township Clerk. Going forward, the Township will look into possible infiltration sources as well as managing lagoon discharges each spring and fall.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Powers WWSL

Powers WWSL

Submission ID. HNY-Q5XR-WQG59

Start Day	Start Time	End Day	End Time
4/1/2020	3:15:00 PM	4/6/2020	6:45:00 PM

Rain(in.) = 0.79

Waterbody: Big Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	13.00000	

Cause: Discharge of partially treated wastewater from polishing cell # 3 to Big Cedar River. Due to spring melt, combined with two rain events totaling 1.24" within a week period. Cell # 3 did not meet 14 day isolation period prior to start of discharge.

Comment: Other Discharge

Location: 1

Totals Powers WWSL

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	13.00000	

EGLE Action: Advised permittee of regulatory requirements. Discussed causation of I&I at length with the Operator.

County Totals Menominee

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
8.00000	**13.04300**	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Midland

Dow Chemical-Midland

Dow Chemical-Midland

Submission ID. HNZ-XFTM-V2M8W

Start Day	Start Time	End Day	End Time
5/20/2020	6:35:00 AM	5/21/2020	5:00:00 PM

Rain(in.) = 4.7

Waterbody: Tittabawasee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00100	

Cause: Wastewater overflow within Dow MIOPS West site due to record river water levels spanning several counties and two dam failures. Initial report was of manhole at Roads 9&J / J&10 (6:35 AM). River water level rose above site embankment and water collected into onsite WWTP sewer. This overwhelmed the system and overflowed from manhole.

Comment: Other Discharge

Totals Dow Chemical-Midland

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00100	

EGLE Action: No further action taken, event was the result of multiple dam failures leading to a greater than 500 yr flooding event above the design standard for the facility.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

County Totals **Midland**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00100	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Monroe

Dundee WWTP

Dundee WWTP

Submission ID. HNW-R7ZS-MTCNH

Start Day	Start Time	End Day	End Time
1/12/2020	7:00:00 AM	1/13/2020	7:00:00 AM

Rain(in.) = 2.47

Waterbody: River Raisin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.28200	

Cause: During heavy rain (2.47" on Jan. 10th & 11th) the plant flow exceeded 4 MGD. The plant's design flow is 1.50 MGD, with a Peak flow of 3.0 MGD. Prior to discharge, 1.4 MG was put into the Equalization tank, and another .4 MG was directed to the spare pre-air tank before discharge began. The flow was partially treated before discharge by the following: 1) Grinder, 2) Screening down to 2 mm, 3) Grit removal, 4) settling. This flow was then blended with the plant's final effluent which is chlorinated. This flow went to the chlorine contact tank where it settled again, and was discharged over cascading steps to increase the dissolved oxygen concentration. Overall, this effluent is very good.

Comment: Partially Treated Sewage

Location: 001A

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Dundee WWTP

Submission ID. HNW-SVDT-3K41D

Start Day	Start Time	End Day	End Time
1/14/2020	3:00:00 PM	1/15/2020	7:00:00 AM

Rain(in.) = 2.47

Waterbody: River Rasin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.19200	

Cause: Still receiving high flow from weekend 2.47" of rain. An additional problem is that the foam is so thick we have to lower the actual level in the pre-air tank so foam doesn't overtop the wall and create a mess. This effects the permeate pumps because the speed of these pumps are set to run off tank levels, so if the level in the MBR tanks is low, the pumps react to that level. It doesn't sense the need to run fast if the level isn't high. The plant's design flow is 1.5 MGD.

Comment: Other Discharge

Location: 001A

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Dundee WWTP

Submission ID. HNX-8R4F-NA6EJ

Start Day	Start Time	End Day	End Time
1/24/2020	7:00:00 AM	2/3/2020	7:00:00 AM

Rain(in.) = 3.86

Waterbody: River Raisin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.36800	

Cause: The plant experience many problems due to the 3.86" of rain that fell during 8 days in January. This caused the plant to exceed its design flow for 8 days. The EQ tank was filled to capacity in an effort to avoid discharges to the river, but it was unavoidable. The excess flows also created a change in the biology of the activated sludge that resulted in the creation of tremendous amounts of foam. Another root cause of the foam was from the solids inventory being extremely high because the sludge tanks were full and adequate wasting could not be achieved. This was caused by not being able to haul sludge for land application because the fields were too wet. All of these things contributed to the unfortunate situation of by-passing a portion (25% per day) of the influent flow. The discharge was blended with the final effluent, after the by-passed portion received 7 treatment steps.

Comment: Partially Treated Sewage

Location: 001A

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Dundee WWTP

Submission ID. HNX-3ZN6-DSGZQ

Start Day	Start Time	End Day	End Time
1/24/2020	8:00:00 PM	1/27/2020	8:00:00 AM

Rain(in.) = 0.63

Waterbody: River Raisin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.08000	

Cause: .63" of rain. High river level and I & I in the Village. High levels of foam in the pre-air tank and MBR tanks. Need to keep the liquid level down to avoid foam overtopping the tank walls.

Comment: Partially Treated Sewage

Location: 001A

Totals Dundee WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.92200	

EGLE Action: No actions taken by DEQ

County Totals Monroe

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.92200	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Newaygo

Grant WWTP

Grant WWTP

Submission ID. HP3-W95W-GZTWB

Start Day	Start Time	End Day	End Time
10/29/2020	12:30:00 PM	10/29/2020	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00002	

Cause: Above ground sludge holding tank (Harvestore) was found to have two pin hole size leaks toward top while it was being filled. Upon witnessing leak, tank was immediately pumped down below leak line. Approximately 15 gallons of clear supernatant, from storage tank, leaked onto the surrounding grass during the 30 minute event. It was neutralized with hydrated lime. Repair person was scheduled immediately following clean up, for inspection and repair of tank. Tank will remain pumped down, well below location of leaks, until repairs are completed. The

Comment: Other Discharge

Location: Frantzen Drain

Totals **Grant WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00002	

EGLE Action: Currently Under Review

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

County Totals **Newaygo**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00002	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Oakland

Oakland Co-Pontiac WWTP

Oakland Co-Pontiac WWTP

Submission ID. HNW-RG0B-P4YMC

Start Day	Start Time	End Day	End Time
1/11/2020	11:30:00 AM	1/12/2020	9:30:00 AM

Rain(in.) = 2.5

Waterbody: Clinton River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	14.00000	

Cause: Approximately 14 million gallons of partially treated sewage was mixed with the final plant effluent over 22 hours. Aeration Tanks bypassed.

Comment: Wet Weather / Partial Bypass

Location: 001A

SOC Consent Judgement

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Oakland Co-Pontiac WWTP

Submission ID. HNW-S822-ZEXPE

Start Day	Start Time	End Day	End Time
1/14/2020	10:00:00 AM	1/14/2020	10:15:00 AM

Waterbody: Clinton River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00040		

Cause: Raw sludge line between Primary Clarifier and Raw sludge pump broke. Water bubbled up through ground.

Comment: Spill within plant property.

Location: n/a

SOC Consent Judgement

Oakland Co-Pontiac WWTP

Submission ID. HNW-YQED-97NN1

Start Day	Start Time	End Day	End Time
1/17/2020	1:30:00 PM	1/17/2020	4:30:00 PM

Waterbody: n/a

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01500	

Cause: Drain line plugged and backed up through sanitary curb basin and covered the surrounding area.

Comment: Spill - Plugged drain line

Location: biosolids drain

SOC Consent Judgement

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Totals **Oakland Co-Pontiac WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00040	**14.01500**	

EGLE Action: Permittee is under Cinsent Judgement to address discharges

County Totals **Oakland**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00040	**14.01500**	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Ontonagon

Interior Twp WWSL

Interior Twp WWSL

Submission ID. HNY-TAPR-1FEZA

Start Day	Start Time	End Day	End Time
4/5/2020	9:00:00 PM	4/20/2020	11:30:00 AM

Rain(in.) = 0.5

Waterbody: Trout Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.42000	

Cause: Due to spring runoff the collection system has high flow. The system needs cleaning and testing for leaks or storm water from sump pumps.

Comment: Other Discharge

Location: Outfall 1

Totals **Interior Twp WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.42000	

EGLE Action: requesting influent metering

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Ontonagon WWSL

Ontonagon WWSL

Submission ID. HNY-WGT9-MSHGZ

Start Day	Start Time	End Day	End Time
4/9/2020	6:00:00 AM	4/9/2020	2:04:00 PM

Waterbody: Ontonagon River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.50000	

Cause: Lagoon treatment system is overflowing from the final treatment pond due to spring runoff. Samples have been sent to lab, lagoon is 40% ice covered. Receiving stream is ice free.

Comment: Other Discharge

Location: 1

Totals **Ontonagon WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.50000	

EGLE Action: VN requiring sanitary sewer upgrade to eliminate I&I and upgrade lift stations

County Totals **Ontonagon**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.92000	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Ottawa

Hillshire Brands-Zeeland

Hillshire Brands-Zeeland

Submission ID. HNX-S84C-YCF9H

Start Day	Start Time	End Day	End Time
2/20/2020	12:45:00 AM	2/20/2020	1:15:00 AM

Waterbody: Unnamed drainage ditch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00900

Cause: On February 20, 2020 at approximately 12:45 a.m. to 1:00 a.m. in the morning it was discovered that water was rising from the drains/wells at wastewater (main lift station, DAF building, and screen building) and spilling over onto the surrounding ground and nearby drainage diversion. It was later determined that the pump in the wet well captured the pressure sensor cable and thus, removed the sensor making it non-operational. Since this happened no alarms were set off and no signal was given to kick the pump nor backup pumps on. The emergency back-up diesel pump also failed to operate. After daylight a thorough visual investigation was done both on-site an immediately downstream off-site. There was no evidence of the water leaving the facility and no adverse effects were evident downstream from the facility. Photos were taken for documentation.

Comment: Other Discharge

Location: Ditch to DeWitt Drain

Totals **Hillshire Brands-Zeeland**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00900

EGLE Action: Will be addressed in a Compliance Communication issued for recent inspection.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Holland WWTP

Holland WWTP

Submission ID. HP3-WV1E-JSPYT

Start Day	Start Time	End Day	End Time
10/29/2020	4:40:00 PM	10/29/2020	5:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00010	

Cause: Contractor was cutting and capping a waste activated sludge (WAS) line underground. The contractor cut into the line and did not verify that the line was out of service. A valve upstream of the line was open and the line was under pressure. The line discharged through an approximate 3 inch long saw cut for approximately 20 minutes before wasting was shut down and the open valve was identified and closed. There was a sump pump placed in the excavation that was routed back to the headworks of the WRF. All of the discharged WAS was rerouted back to the headworks.

Comment: Waste activated sludge

Location: Water Reclamation Facility East Plant

Totals **Holland WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00010	

EGLE Action: None further action at this time

County Totals **Ottawa**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00010	**0.00900**

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Saginaw

Buena Vista Twp WWTP

Buena Vista Twp WWTP

Submission ID. HNZ-Y952-5XHWN

Start Day	Start Time	End Day	End Time
5/18/2020	7:00:00 PM	5/21/2020	11:00:00 PM

Rain(in.) = 3.7

Waterbody: Saginaw River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	17.22800	

Cause: Partially treated with ferric and polymer and primary settling and disinfected with chlorine gas.

Comment: Other Discharge

Location: 002 outfall

Totals **Buena Vista Twp WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	17.22800	

EGLE Action: Second violation notice to be issued, facility needs to develop a comprehensive plan to address wet weather flows and related discharges.

County Totals **Saginaw**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	17.22800	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

St. Clair

St Clair WWTP

St Clair WWTP

Submission ID. HNW-R7V6-DJ3EN

Start Day	Start Time	End Day	End Time
1/12/2020	10:00:00 AM	1/12/2020	5:00:00 PM

Rain(in.) = 4

Waterbody: East Branch Pine River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.40000	

Cause: Discharge from top of storm water tank from 4 inches of rain fall

Comment: Partially settled discharged from top of wet weather tank so sewage gets some solids reduction

Location: Overflow from wet weather tank

Totals **St Clair WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.40000	

EGLE Action: No further action taken at this time

County Totals **St. Clair**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.40000	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

St. Joseph

Three Rivers WWTP

Three Rivers WWTP

Submission ID. HP3-550N-5APQD

Start Day	Start Time	End Day	End Time
9/28/2020	8:30:00 PM	9/29/2020	7:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00837	

Cause: ATAD transfer pump replacement resulted in partial treatment of biosolids over the past weekend. When system was fully restarted on Monday, 9-28-20 excessive foam generation occurred. Dirty foam sensor and stuck High Foam switch did not shut down system in time to prevent foam from leaving ATAD 1 Digester. ATAD Foam exited the top of ATAD 1 and flowed into the Foam Retention Area.

Comment: Other Discharge

Location: ATAD Foam Retention Containment Area

Totals **Three Rivers WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00837	

EGLE Action: No Further Action Taken at this Time

County Totals **St. Joseph**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00837	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Washtenaw

Ann Arbor WWTP

Ann Arbor WWTP

Submission ID. HNZ-W2BH-CGQBB

Start Day	Start Time	End Day	End Time
5/19/2020	5:20:00 AM	5/19/2020	10:15:00 AM

Rain(in.) = 2

Waterbody: Huron River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00100	

Cause: The Equalization/Retention Building is used to store wastewater during high flow periods. There is a chlorine contact basin in the building for disinfection of raw sewage if the capacity of the retention tank is exceeded. Overflow from the chlorine contact tank flows past a scum baffle and over weirs into the bypass chamber, and then from the bypass chamber over weirs into the discharge box to the Huron River. The cause of the overflow was investigated as there was no flow over the weirs from the chlorine contact tank to the bypass chamber. One of two gates was found to be leaking, which caused this overflow. The other gate will be further investigated and one or both gates will be repaired as needed.

Comment: Raw sewage that was settled and treated with chlorine in a contact basin overflow

Location: Ann Arbor WWTP Equalization/Retention Building overflow

Totals **Ann Arbor WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00100	

EGLE Action: Compliance Communication Letter sent to adress the discharge

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Multi Lake Water and Sewer Authority

Multi Lake Water and Sewer Authority

Submission ID. HP3-QG4H-MTP0V

Start Day	Start Time	End Day	End Time
10/15/2020	9:00:00 AM	10/15/2020	9:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00050

Cause: Staff made a poor judgement in Director's absence

Comment: Untreated Sewage

Location: Back field, next to the driveway near the plant entrance

Totals **Multi Lake Water and Sewer Authority**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00050

EGLE Action: Corrective actions to clean up the spill were discussed with the plant operator when the discharge was originally reported on October 16th via telephone by plant operator. New treatment plant policy will be reviewed in detail during the next facility insp

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Saline Valley Farms WWTP

Saline Valley Farms WWTP

Submission ID. HNX-9CF2-3KNYG

Start Day	Start Time	End Day	End Time
1/21/2020	7:00:00 AM	1/21/2020	8:00:00 AM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00050	

Cause: plant discharge plugged, tank over flowed into digester which was settled, combination flow cam out seam of the wall, went onto ground and ran down the slope to the fence line

Comment: plant discharge plugged and some MLSS went over the wall, did not make it to the river, barely outside fence

Location: 1

Totals **Saline Valley Farms WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00050	

EGLE Action: Violation Notice was sent on 2/13/20 to address the discharge

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Saline WWTP

Saline WWTP

Submission ID. HP5-4AAD-6FX65

Start Day	Start Time	End Day	End Time
12/18/2020	2:50:00 PM	12/18/2020	2:52:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00020	

Cause: While bypass pumping partially treated sludge the end of the hose pulled away; from hatch into tank

Comment: Partially Treated Sewage Sludge

Location: City of Saline WWTP

Totals **Saline WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00020	

EGLE Action: Referred for esculated enforcment/ Actions plan to be resolved through pending ACO.

County Totals **Washtenaw**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00170	**0.00050**

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Wayne

DECO-Trenton Plt

DECO-Trenton Plt

Submission ID. HNX-PWY9-GJ8N2

Start Day	Start Time	End Day	End Time
2/19/2020	1:10:00 PM	2/19/2020	1:10:00 PM

Waterbody: Elizabeth Park Canal

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

Cause: The plant is currently assessing the site grounds and infrastructure that could be impacted by the anticipated high Detroit River water levels for the Vulnerability Analysis requested by EGLE. Divers were inspecting infrastructure when they noticed a submerged pipe that was discharging into Elizabeth Park Canal. A test was run and it was concluded that the pipe was an old abandoned sanitary overflow pipe. The pumps were immediately turned off and the discharge point plugged with an inflatable bladder. Invading tree roots partly plugged the main sanitary line that discharges to the POTW.

Comment: Other Discharge

Totals **DECO-Trenton Plt**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

EGLE Action: Entity agreed to implement all necessary corrective actions, no further action at this time.

MG = million gallons

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Grosse Ile Twp WWTP

Grosse Ile Twp WWTP

Submission ID. HNW-RY6A-PPC58

Start Day	Start Time	End Day	End Time
1/12/2020	12:00:00 AM	1/12/2020	10:56:00 PM

Rain(in.) = 2.5

Waterbody: Detroit River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
4.09544		

Cause: The discharge was dosed with bleach to help with disinfection. The reason for the discharge is the Grosse Ile WWTP received 2.5 inches of rainfall in a 2 day span of time. There was lots of land flooding reported on Grosse Ile. The sewer system even with pumping max capacity at the WWTP was still at an unsafe level which is why the EQ basin was discharged to the Detroit River. The discharge stopped when the sewer system level returned to a safe level. A full lab was run on the discharge sample.

Comment: WWTP Equalization Basin diluted raw sewage

Location: EQ Basin - 48" outfall

SOC See 6th Amended ACO.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Grosse Ile Twp WWTP

Submission ID. HNY-NF9K-Q97ZZ

Start Day	Start Time	End Day	End Time
3/28/2020	9:30:00 PM	3/29/2020	10:30:00 PM

Rain(in.) = 2.25

Waterbody: Detroit River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
4.49388		

Cause: Grosse Ile WWTP experienced a total of 2.25 inches of rain over a 3 day period. This period was 3-26-20 through 3-28-20. This resulted in the EQ Basin filling completely and discharging to the Detroit River.

Comment: Other Discharge

Location: Equalization Basin 48" sewer

SOC See 6th Amended AACO-000023.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Grosse Ile Twp WWTP

Submission ID. HNZ-VBXC-VXQNT

Start Day	Start Time	End Day	End Time
5/18/2020	11:00:00 AM	5/18/2020	3:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.01000	

Cause: A contractor was processing sludge via belt filter press at the Grosse Ile WWTP. There was an equipment failure which resulted in a spill of approximately 500/1000 gallons of stabilized sludge/water mixture at around 11:00 AM. The spill was contained to the concrete drive area and the Township had a vactor contractor on site immediately to clean up the spilled sludge/water mixture. The storm drains had been blocked to prevent a possible spill release to the waterways. The total amount of vacuumed spillage was approximately 10,000 gallons. This was released back into the WWTP. The spill has been completely cleaned up as of 3:00 PM, 5-18-20.

Comment: Other Discharge

Location: North plant driveway

Totals Grosse Ile Twp WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
8.58933	**0.01000**	

EGLE Action: Currently under 6th Amended ACO.

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

S Huron Valley UA WWTP

S Huron Valley UA WWTP

Submission ID. HNW-RDGG-T1JQX

Start Day	Start Time	End Day	End Time
1/11/2020	11:32:00 PM	1/12/2020	6:45:00 AM

Rain(in.) = 2.4

Waterbody: Detroit River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.91000	

Cause: 0.91 Million Gallons of primary treated sewage blended with 12.87 Million Gallons of secondary treated sewage which was then chlorinated, de-chlorinated, and aerated. Bypass caused by excessive flows due to rain in the service area.

Comment: Other Discharge

Location: 1

S Huron Valley UA WWTP

Submission ID. HNY-NKAN-ZTPAK

Start Day	Start Time	End Day	End Time
3/28/2020	3:55:00 PM	3/29/2020	1:35:00 PM

Rain(in.) = 1.85

Waterbody: Detroit River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	8.92000	

Cause: 8.92 MGs of sewage which received preliminary and primary treatment and was blended with 24.33 MGs of tertiary treated sewage. The Blended water received full chlorination and was below the NPDES limit for fecal coliform. No NPDES limits are expected to be exceded, however all test results are not completed yet. Discharge was due to excessive flow created by heavy rains in the service area.

Comment: Other Discharge

Location: Bypass around Secondary Treatment Units, blending with final effluent

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Other' Detail Report
January 1 - December 31, 2020

Totals **S Huron Valley UA WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	9.83000	

EGLE Action: Pending Enforcement

YCUA Regional WWTP

YCUA Regional WWTP

Submission ID. HNW-QF06-W1HGE

Start Day	Start Time	End Day	End Time
1/11/2020	6:00:00 PM	1/15/2020	8:43:00 PM

Rain(in.) = 3.5

Waterbody: Lower Branch of Rouge River located at Ged

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	112.12000	

Cause: Partial bypass of tertiary filter system at YCUA Regional WWTP located at 2777 State Road, Ypsilanti, MI. YCUA WWTP received an excess influent flow from the wet weather conditions beginning 9:53 PM on 1/10/2020. Consequently the west tertiary filters were unable to handle the flow. In order to avoid severe property damage and also avoid spillage of secondary effluent to the environment, YCUA WWTP operations partially opened the west tertiary filter bypass gates at approximately 6:00 PM on January 11, 2020 to allow for a portion of the secondary effluent to bypass the west tertiary filters. The partial bypass ended at approximately 8:43 PM on 1/15/2020. All of the flow was treated through secondary treatment, and also the UV Disinfection.

Comment: Partial bypass of Tertiary Filters at YCUA Regional WWTP

Location: Lower Rouge River

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

YCUA Regional WWTP

Submission ID. HNY-KY14-MZP1Q

Start Day	Start Time	End Day	End Time
3/28/2020	1:40:00 PM	4/1/2020	5:52:00 AM

Rain(in.) = 1.85

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	35.73700	

Cause: Discharge Type: Secondary Effluent Blended with Fully treated plant effluent water- Wet Weather resulted in heavy influent flows. Tertiary Filtration capabilities are limited due to an ongoing Tertiary Filter Improvement project. A portion of the filtration units are off line due to the project. In order to avoid spillage of secondary effluent to the environment and prevent severe property damage to the pumping equipment, a portion of the secondary effluent was bypassed tertiary treatment. All of the plant effluent water is undergoing UV disinfection. Quality of the plant effluent water is being monitored at the designated compliance point for the NPDES Permit required parameters.

Comment: Partial Bypass of Tertiary Filters: Secondary Effluent blended with fully treated plant effluent water

Location: Lower Rouge River

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

YCUA Regional WWTP

Submission ID. HNZ-W3T5-TCHPD

Start Day	Start Time	End Day	End Time
5/19/2020	2:05:00 AM	5/21/2020	2:45:00 AM

Rain(in.) = 3.4

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	24.83519	

Cause: Secondary Effluent blended with tertiary effluent and fully treated for disinfection with UV disinfection. Wet weather resulted in elevated influent flows. Tertiary filtration capabilities are limited due to an ongoing tertiary filtration improvement project. A portion of the tertiary filtration units are offline for improvements. In order to avoid spillage of secondary effluent to the environment and also avoid severe property damage to the pumping equipment which is directly adjacent to the operating floor of the filter system, a portion of the secondary effluent was allowed to bypass the filtration system. Quality of the plant effluent discharge is being monitored at the designated compliance point for the NPDES Permit required parameters.

Comment: Partial Bypass of Tertiary Filtration- Secondary Effluent blended with Tertiary effluent and fully treated by UV Disinfection

Location: Lower Rouge River

Totals YCUA Regional WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	172.69219	

EGLE Action: No further action at this time. It was determined that this event exceeded the RDS.

County Totals Wayne

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
8.58935	**182.53219**	

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Other' Detail Report
January 1 - December 31, 2020

Report Totals

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
21.10311	**456.07674**	**0.03005**

MG = million gallons

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Berrien

St Joseph CSO

St Joseph CSO

Start Day	Start Time	End Day	End Time
1/11/2020	1:31:00 AM	1/11/2020	11:39:00 PM

Rain(in.) = 2.07
Waterbody: Morrison Channel

Submission ID. HNW-PFV6-F4DX1
Permit MI0026735
Outfall **5**

Dilute Raw Sewage (MG)
0.00100

Cause: Heavy rainfall coupled with high Lake Michigan, St. Joseph River and groundwater levels.

St Joseph CSO

Start Day	Start Time	End Day	End Time
3/28/2020	5:09:00 AM	3/28/2020	5:56:00 PM

Rain(in.) = 1.43
Waterbody: Morrison Channel

Submission ID. HNY-K1R6-56NFB
Permit MI0026735
Outfall **5**

Dilute Raw Sewage (MG)
0.00500

Cause: Heavy Rainfall, High Antecedent Soil Moisture Content, High River and Lake Levels

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

St Joseph CSO

Start Day	Start Time	End Day	End Time
4/29/2020	11:54:00 AM	4/29/2020	4:14:00 PM

Rain(in.) = 0.49
Waterbody: Morrison Channel

Submission ID. HNZ-CBGM-3RW1C
Permit MI0026735
Outfall **5**

Dilute Raw Sewage (MG)
0.00100

Cause: Rainfall coupled with high Lake Michigan, St. Joseph River, and groundwater levels.

St Joseph CSO

Start Day	Start Time	End Day	End Time
5/15/2020	4:12:00 AM	5/15/2020	6:22:00 PM

Rain(in.) = 1.36
Waterbody: Morrison Channel

Submission ID. HNZ-RQFN-68Y2T
Permit MI0026735
Outfall **5**

Dilute Raw Sewage (MG)
0.00050

Cause: Heavy Rainfall, high Lake/River Levels, high antecedent soil moisture content

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

St Joseph CSO

Submission ID. HNZ-TY2J-GM7F7
Permit MI0026735
Outfall **5**

Start Day	Start Time	End Day	End Time
5/18/2020	12:08:00 AM	5/18/2020	3:19:00 AM

Rain(in.) = 0.63
Waterbody: Morrison Channel

Dilute Raw Sewage (MG)
0.00050

Cause: High Lake Levels, high antecedent soil moisture content and Rainfall

St Joseph CSO

Submission ID. HNZ-ZMQK-4MTVR
Permit MI0026735
Outfall **5**

Start Day	Start Time	End Day	End Time
5/24/2020	1:14:00 AM	5/24/2020	5:44:00 PM

Rain(in.) = 1.48
Waterbody: Morrison Channel

Dilute Raw Sewage (MG)
0.00250

Cause: Rainfall coupled with high Lake levels and high antecedent moisture content.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

St Joseph CSO

Start Day	Start Time	End Day	End Time
5/27/2020	5:53:00 PM	5/29/2020	4:12:00 AM

Rain(in.) = 1.62
Waterbody: Morrison Channel

Submission ID. HP0-2HPB-89JYA
Permit MI0026735
Outfall **5**

Dilute Raw Sewage (MG)
0.02800

Cause: High intensity rainfall, high lake and river levels and high antecedent soil moisture content.

St Joseph CSO

Start Day	Start Time	End Day	End Time
5/29/2020	5:23:00 AM	5/30/2020	1:57:00 AM

Rain(in.) = 0.21
Waterbody: Morrison Channel

Submission ID. HP0-3PJZ-PZ65C
Permit MI0026735
Outfall **5**

Dilute Raw Sewage (MG)
0.00050

Cause: There was no discharge based upon a comparison of the upstream and downstream level sensors. CSO report was made based upon upstream float sensor position and a nominal amount of rainfall.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

St Joseph CSO

Submission ID. HP0-T96V-168YW
Permit MI0026735
Outfall **5**

Start Day	Start Time	End Day	End Time
6/26/2020	9:51:00 AM	6/26/2020	11:24:00 AM

Rain(in.) = 1.14
Waterbody: Morrison Channel

Dilute Raw Sewage (MG)
0.00050

Cause: High intensity rainfall, lake level and antecedent soil moisture content.

St Joseph CSO

Submission ID. HP4-YPZ5-0WDXM
Permit MI0026735
Outfall **5**

Start Day	Start Time	End Day	End Time
12/12/2020	10:02:00 AM	12/12/2020	12:40:00 PM

Rain(in.) = 1.34
Waterbody: Morrison Channel

Dilute Raw Sewage (MG)
0.00000

Cause: Heavy rainfall

Totals St Joseph CSO

Dilute Raw Sewage (MG)
0.03950

EGLE Action: Long-term Control Program being implemented. The City is currently completing I/I removal projects prior to completing a wet weather storage project.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

County Totals **Berrien**

Dilute Raw Sewage (MG)
0.03950

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Ingham

Lansing WWTP

Lansing WWTP

Start Day	Start Time	End Day	End Time
1/10/2020	11:00:00 PM	1/11/2020	12:30:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **11**

Dilute Raw Sewage (MG)
0.23100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
1/10/2020	11:00:00 PM	1/11/2020	1:30:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **16**

Dilute Raw Sewage (MG)
0.89000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
1/10/2020	11:00:00 PM	1/11/2020	2:00:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.17900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
1/10/2020	11:00:00 PM	1/11/2020	1:00:00 PM

Rain(in.) = 2.19
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.60800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
1/10/2020	11:00:00 PM	1/11/2020	3:15:00 PM

Rain(in.) = 2.19
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
1.26400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
1/10/2020	11:00:00 PM	1/11/2020	1:00:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.45500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
1/10/2020	11:00:00 PM	1/11/2020	1:15:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.24100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
1/10/2020	11:15:00 PM	1/11/2020	2:30:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.34800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
1/10/2020	11:30:00 PM	1/11/2020	1:30:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.95700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
1/10/2020	11:30:00 PM	1/11/2020	1:00:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.55200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
1/10/2020	11:45:00 PM	1/11/2020	2:00:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.53300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
1/10/2020	11:45:00 PM	1/11/2020	3:15:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
5.34100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
1/10/2020	11:45:00 PM	1/11/2020	2:15:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
6.52200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
1/11/2020	12:00:00 AM	1/11/2020	12:45:00 PM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.44300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
1/11/2020	12:15:00 AM	1/11/2020	7:15:00 AM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.18100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNW-RC1N-YPGK4
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
1/11/2020	12:30:00 AM	1/11/2020	7:15:00 AM

Rain(in.) = 2.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
3/19/2020	5:00:00 PM	3/20/2020	9:45:00 AM

Rain(in.) = 0.42
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
3/19/2020	5:00:00 PM	3/20/2020	8:00:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
3/19/2020	5:15:00 PM	3/20/2020	8:15:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
3/19/2020	5:30:00 PM	3/20/2020	6:00:00 AM

Rain(in.) = 0.42
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.09100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Start Day	Start Time	End Day	End Time
3/19/2020	6:00:00 PM	3/20/2020	7:30:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **11**

Dilute Raw Sewage (MG)
0.03500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
3/19/2020	6:00:00 PM	3/20/2020	8:00:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **24**

Dilute Raw Sewage (MG)
0.36700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
3/19/2020	6:00:00 PM	3/20/2020	8:15:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
3/19/2020	6:15:00 PM	3/20/2020	9:30:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.36400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
3/19/2020	6:15:00 PM	3/20/2020	8:00:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
3/19/2020	6:30:00 PM	3/20/2020	8:30:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
3/19/2020	6:30:00 PM	3/20/2020	9:45:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.72600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
3/19/2020	6:30:00 PM	3/20/2020	9:00:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.92000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
3/19/2020	6:45:00 PM	3/20/2020	9:00:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.23300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
3/19/2020	6:45:00 PM	3/20/2020	7:30:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.15300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-D060-1SCXW
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
3/20/2020	12:30:00 AM	3/20/2020	1:00:00 AM

Rain(in.) = 0.42
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
3/26/2020	5:00:00 PM	3/26/2020	10:00:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
3/26/2020	5:00:00 PM	3/26/2020	10:00:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.15100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
3/26/2020	5:00:00 PM	3/26/2020	9:30:00 PM

Rain(in.) = 0.19
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.03700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
3/26/2020	5:00:00 PM	3/26/2020	11:15:00 PM

Rain(in.) = 0.19
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.00700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
3/26/2020	5:00:00 PM	3/26/2020	9:00:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
3/26/2020	5:15:00 PM	3/26/2020	9:15:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
3/26/2020	5:45:00 PM	3/26/2020	10:45:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.15200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
3/26/2020	6:00:00 PM	3/26/2020	10:00:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
3/26/2020	6:00:00 PM	3/26/2020	9:45:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
3/26/2020	6:15:00 PM	3/26/2020	10:30:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.09300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
3/26/2020	6:15:00 PM	3/26/2020	8:30:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
3/26/2020	6:15:00 PM	3/26/2020	9:45:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.03300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
3/26/2020	6:15:00 PM	3/26/2020	11:15:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.30100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-JB91-MYPDY
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
3/26/2020	6:15:00 PM	3/26/2020	10:30:00 PM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.38300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
3/28/2020	12:00:00 AM	3/29/2020	2:45:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
3/28/2020	12:00:00 AM	3/29/2020	3:45:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.66200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
3/28/2020	12:00:00 AM	3/29/2020	4:00:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.99700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
3/28/2020	12:00:00 AM	3/29/2020	3:15:00 AM

Rain(in.) = 1.71
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.45100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
3/28/2020	12:00:00 AM	3/29/2020	5:45:00 AM

Rain(in.) = 1.71
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.77000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
3/28/2020	12:00:00 AM	3/29/2020	3:00:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.29300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
3/28/2020	12:00:00 AM	3/29/2020	3:15:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.91200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
3/28/2020	12:15:00 AM	3/29/2020	4:30:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.66800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
3/28/2020	12:30:00 AM	3/29/2020	3:45:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.70900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
3/28/2020	12:30:00 AM	3/29/2020	3:15:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.40600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
3/28/2020	12:45:00 AM	3/29/2020	4:15:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.12900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
3/28/2020	12:45:00 AM	3/29/2020	5:45:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.88900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
3/28/2020	12:45:00 AM	3/29/2020	4:30:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
4.77200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
3/28/2020	1:00:00 AM	3/29/2020	2:45:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.00200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
3/28/2020	4:30:00 AM	3/29/2020	2:15:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.75500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-MQ16-YWWEE
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
3/28/2020	5:15:00 AM	3/29/2020	2:30:00 AM

Rain(in.) = 1.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
4/7/2020	8:00:00 PM	4/7/2020	10:30:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
4/7/2020	8:00:00 PM	4/8/2020	12:30:00 AM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.27100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
4/7/2020	8:00:00 PM	4/7/2020	11:30:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.09700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
4/7/2020	8:00:00 PM	4/7/2020	11:00:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.26600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
4/7/2020	8:00:00 PM	4/7/2020	11:00:00 PM

Rain(in.) = 0.28
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.06600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
4/7/2020	8:00:00 PM	4/8/2020	1:15:00 AM

Rain(in.) = 0.28
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
4/7/2020	8:00:00 PM	4/7/2020	11:00:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.03800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
4/7/2020	8:00:00 PM	4/7/2020	11:15:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
4/7/2020	8:15:00 PM	4/8/2020	12:00:00 AM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.16600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
4/7/2020	8:15:00 PM	4/7/2020	11:30:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
4/7/2020	8:15:00 PM	4/7/2020	10:30:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
4/7/2020	8:15:00 PM	4/7/2020	11:00:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
4/7/2020	8:15:00 PM	4/8/2020	1:15:00 AM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.55800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
4/7/2020	8:15:00 PM	4/8/2020	12:00:00 AM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.69500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-VS8Q-098ZR
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
4/7/2020	8:30:00 PM	4/7/2020	9:15:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
4/8/2020	9:00:00 PM	4/9/2020	5:00:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
4/8/2020	9:00:00 PM	4/9/2020	5:30:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
4/8/2020	9:00:00 PM	4/9/2020	5:00:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.18300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
4/8/2020	9:00:00 PM	4/9/2020	5:15:00 AM

Rain(in.) = 0.23
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.04500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
4/8/2020	9:00:00 PM	4/9/2020	2:15:00 AM

Rain(in.) = 0.23
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.00800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
4/8/2020	9:00:00 PM	4/9/2020	5:00:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
4/8/2020	9:00:00 PM	4/9/2020	12:15:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.09200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
4/8/2020	9:15:00 PM	4/9/2020	5:45:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.18600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
4/8/2020	9:15:00 PM	4/9/2020	12:30:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
4/8/2020	9:15:00 PM	4/9/2020	12:00:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
4/8/2020	9:15:00 PM	4/9/2020	2:15:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.37200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
4/8/2020	9:15:00 PM	4/9/2020	1:15:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.47200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
4/8/2020	9:30:00 PM	4/9/2020	1:00:00 AM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.11500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNY-WNZQ-RPS1S
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
4/8/2020	9:30:00 PM	4/8/2020	11:45:00 PM

Rain(in.) = 0.23
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.09000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
4/20/2020	10:00:00 PM	4/21/2020	3:15:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
4/20/2020	10:00:00 PM	4/21/2020	3:00:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.12500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
4/20/2020	10:00:00 PM	4/21/2020	3:00:00 AM

Rain(in.) = 0.17
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.03100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
4/20/2020	10:00:00 PM	4/21/2020	4:45:00 AM

Rain(in.) = 0.17
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.00600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
4/20/2020	10:00:00 PM	4/21/2020	2:00:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
4/20/2020	10:15:00 PM	4/21/2020	2:30:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
4/20/2020	11:00:00 PM	4/21/2020	4:15:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.12700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
4/20/2020	11:00:00 PM	4/21/2020	3:00:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
4/20/2020	11:15:00 PM	4/21/2020	3:45:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
4/20/2020	11:15:00 PM	4/21/2020	3:15:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
4/20/2020	11:15:00 PM	4/21/2020	3:00:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
4/20/2020	11:15:00 PM	4/21/2020	4:45:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.24300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
4/20/2020	11:15:00 PM	4/21/2020	4:00:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.31400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-631J-KTAJ3
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
4/20/2020	11:30:00 PM	4/21/2020	2:15:00 AM

Rain(in.) = 0.17
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
4/22/2020	10:00:00 AM	4/23/2020	10:00:00 PM

Rain(in.) = 0.52
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
4/22/2020	10:15:00 AM	4/23/2020	8:15:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
4/22/2020	10:30:00 AM	4/23/2020	8:00:00 PM

Rain(in.) = 0.52
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.10000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
4/22/2020	11:00:00 AM	4/23/2020	4:00:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
4/22/2020	11:15:00 AM	4/23/2020	7:30:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.03800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
4/22/2020	11:45:00 AM	4/23/2020	9:15:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.40600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
4/23/2020	4:45:00 AM	4/23/2020	8:15:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.20200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
4/23/2020	5:00:00 AM	4/23/2020	8:00:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.09000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
4/23/2020	10:00:00 AM	4/23/2020	4:00:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
4/23/2020	2:15:00 PM	4/23/2020	9:00:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.25400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
4/23/2020	2:15:00 PM	4/23/2020	8:30:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.15800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
4/23/2020	2:15:00 PM	4/23/2020	7:30:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.20200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
4/23/2020	2:15:00 PM	4/23/2020	11:00:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.86000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-8APF-EBP3E
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
4/23/2020	2:15:00 PM	4/23/2020	9:00:00 PM

Rain(in.) = 0.52
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.06200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
4/28/2020	9:00:00 PM	4/29/2020	2:30:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
4/28/2020	9:00:00 PM	4/29/2020	3:15:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.23700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
4/28/2020	9:00:00 PM	4/29/2020	3:00:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.65000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
4/28/2020	9:00:00 PM	4/29/2020	2:45:00 PM

Rain(in.) = 0.67
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.16000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
4/28/2020	9:00:00 PM	4/29/2020	4:45:00 PM

Rain(in.) = 0.67
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.02700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
4/28/2020	9:00:00 PM	4/29/2020	2:00:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.09300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
4/28/2020	9:00:00 PM	4/29/2020	3:00:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.32100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
4/28/2020	9:15:00 PM	4/29/2020	4:15:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.65000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
4/28/2020	9:30:00 PM	4/29/2020	3:15:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.25200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
4/28/2020	9:30:00 PM	4/29/2020	2:45:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
4/28/2020	9:45:00 PM	4/29/2020	3:45:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.40100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
4/28/2020	9:45:00 PM	4/29/2020	4:45:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.35300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
4/28/2020	9:45:00 PM	4/29/2020	3:45:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.68300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
4/28/2020	10:00:00 PM	4/29/2020	2:15:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.32400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-D1EY-C61WR
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
4/29/2020	12:15:00 AM	4/29/2020	1:00:00 PM

Rain(in.) = 0.67
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
5/14/2020	5:00:00 AM	5/14/2020	2:30:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.56300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
5/14/2020	5:00:00 AM	5/14/2020	3:00:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.23600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
5/14/2020	5:00:00 AM	5/14/2020	2:15:00 PM

Rain(in.) = 1.3
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.45900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
5/14/2020	5:00:00 AM	5/14/2020	4:30:00 PM

Rain(in.) = 1.3
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.51100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
5/14/2020	5:00:00 AM	5/14/2020	2:00:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.32200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
5/14/2020	5:15:00 AM	5/14/2020	1:45:00 AM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.16600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
5/14/2020	5:45:00 AM	5/14/2020	3:30:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.94200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
5/14/2020	9:00:00 AM	5/14/2020	2:30:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.72000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
5/14/2020	9:00:00 AM	5/14/2020	2:00:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.57500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
5/14/2020	9:00:00 AM	5/14/2020	4:30:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.38800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
5/14/2020	9:00:00 AM	5/14/2020	3:15:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.83000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
5/14/2020	9:00:00 AM	5/14/2020	2:15:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.14400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
5/14/2020	9:15:00 AM	5/14/2020	3:00:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.05400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
5/14/2020	9:15:00 AM	5/14/2020	1:45:00 PM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.90500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **10**

Start Day	Start Time	End Day	End Time
5/14/2020	10:00:00 AM	5/14/2020	11:30:00 AM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-RTGS-7ZX6A
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
5/14/2020	10:00:00 AM	5/14/2020	11:45:00 AM

Rain(in.) = 1.3
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.55200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
5/15/2020	2:00:00 AM	5/15/2020	10:15:00 AM

Rain(in.) = 0.85
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.05300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
5/15/2020	2:00:00 AM	5/15/2020	8:00:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
5/15/2020	2:15:00 AM	5/15/2020	8:30:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.33500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
5/15/2020	2:30:00 AM	5/15/2020	8:00:00 AM

Rain(in.) = 0.85
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.22800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
5/15/2020	3:00:00 AM	5/15/2020	7:30:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
5/15/2020	3:00:00 AM	5/15/2020	8:00:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.13700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
5/15/2020	3:00:00 AM	5/15/2020	8:15:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.46400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
5/15/2020	3:15:00 AM	5/15/2020	9:30:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.72500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
5/15/2020	3:15:00 AM	5/15/2020	8:30:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.36000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
5/15/2020	3:15:00 AM	5/15/2020	8:00:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.21400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
5/15/2020	3:30:00 AM	5/15/2020	9:00:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.57500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
5/15/2020	3:30:00 AM	5/15/2020	10:15:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.98900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
5/15/2020	3:30:00 AM	5/15/2020	9:00:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.43800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
5/15/2020	3:45:00 AM	5/15/2020	7:30:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.54900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
5/15/2020	4:15:00 AM	5/15/2020	6:15:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.64400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
5/15/2020	5:00:00 AM	5/15/2020	6:30:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.19500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-VAN5-KNSY7
Permit MI0023400
Outfall **10**

Start Day	Start Time	End Day	End Time
5/15/2020	5:15:00 AM	5/15/2020	6:15:00 AM

Rain(in.) = 0.85
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.00100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
5/17/2020	8:00:00 AM	5/19/2020	5:15:00 AM

Rain(in.) = 2.66
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
1.58500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
5/17/2020	8:00:00 AM	5/18/2020	2:00:00 PM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.38300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
5/17/2020	8:15:00 AM	5/19/2020	4:00:00 PM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.03900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
5/17/2020	8:30:00 AM	5/19/2020	3:45:00 AM

Rain(in.) = 2.66
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.70300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
5/17/2020	10:00:00 AM	5/18/2020	2:00:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.61000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
5/17/2020	10:15:00 AM	5/19/2020	3:30:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.26800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
5/17/2020	11:00:00 AM	5/19/2020	5:15:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.73700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
5/17/2020	11:45:00 AM	5/19/2020	4:00:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.40600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
5/17/2020	12:00:00 PM	5/19/2020	4:15:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.10700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
5/17/2020	12:00:00 PM	5/19/2020	3:45:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.63100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
5/17/2020	12:00:00 PM	5/19/2020	5:15:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
6.08100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
5/17/2020	12:00:00 PM	5/19/2020	4:45:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
7.44300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
5/17/2020	12:15:00 PM	5/19/2020	4:45:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.76500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
5/17/2020	12:15:00 PM	5/19/2020	12:45:00 AM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.47300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
5/17/2020	7:15:00 PM	5/18/2020	2:15:00 PM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.59600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HNZ-W4XE-4DRRR
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
5/17/2020	7:30:00 PM	5/17/2020	8:45:00 PM

Rain(in.) = 2.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
5/24/2020	4:00:00 AM	5/24/2020	5:45:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
5/24/2020	4:00:00 AM	5/24/2020	6:45:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
5/24/2020	4:00:00 AM	5/24/2020	7:00:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.19800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
5/24/2020	4:00:00 AM	5/24/2020	6:15:00 AM

Rain(in.) = 0.22
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.05000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
5/24/2020	4:00:00 AM	5/24/2020	8:30:00 AM

Rain(in.) = 0.22
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.00900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
5/24/2020	4:00:00 AM	5/24/2020	6:00:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
5/24/2020	4:00:00 AM	5/24/2020	6:15:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
5/24/2020	4:15:00 AM	5/24/2020	7:15:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.12600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
5/24/2020	4:15:00 AM	5/24/2020	7:30:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.20600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
5/24/2020	4:15:00 AM	5/24/2020	6:45:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
5/24/2020	4:15:00 AM	5/24/2020	5:45:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
5/24/2020	4:15:00 AM	5/24/2020	6:00:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
5/24/2020	4:15:00 AM	5/24/2020	8:30:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.41200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
5/24/2020	4:15:00 AM	5/24/2020	7:30:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.52000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1JK9-ED7S4
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
5/24/2020	4:30:00 AM	5/24/2020	5:15:00 AM

Rain(in.) = 0.22
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
5/25/2020	6:00:00 PM	5/25/2020	10:15:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.27900

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
5/25/2020	6:00:00 PM	5/25/2020	10:00:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.60900

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
5/25/2020	6:00:00 PM	5/25/2020	10:00:00 PM

Rain(in.) = 0.71
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.19200

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
5/25/2020	6:00:00 PM	5/26/2020	12:15:00 AM

Rain(in.) = 0.71
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.03100

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
5/25/2020	6:00:00 PM	5/25/2020	10:00:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.16200

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
5/25/2020	6:15:00 PM	5/25/2020	9:30:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07200

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
5/25/2020	7:00:00 PM	5/25/2020	11:00:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07200

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
5/25/2020	7:00:00 PM	5/25/2020	11:15:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.49200

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
5/25/2020	7:00:00 PM	5/25/2020	10:30:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.30500

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
5/25/2020	7:00:00 PM	5/25/2020	9:30:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.46800

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
5/25/2020	7:00:00 PM	5/25/2020	10:00:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.21000

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
5/25/2020	7:00:00 PM	5/26/2020	12:15:00 AM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.66000

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
5/25/2020	7:00:00 PM	5/25/2020	11:00:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.03400

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
5/25/2020	7:00:00 PM	5/25/2020	10:15:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.39300

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **10**

Start Day	Start Time	End Day	End Time
5/25/2020	7:15:00 PM	5/25/2020	8:15:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01600

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
5/25/2020	7:15:00 PM	5/25/2020	8:45:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.28400

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-1KQP-M7312
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
5/25/2020	7:15:00 PM	5/25/2020	8:15:00 PM

Rain(in.) = 0.71
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.69100

Cause: Combined stormater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
6/10/2020	2:00:00 PM	6/11/2020	1:15:00 AM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
6/10/2020	2:00:00 PM	6/11/2020	1:45:00 AM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.37100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
6/10/2020	2:00:00 PM	6/11/2020	1:00:00 AM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.47300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
6/10/2020	2:00:00 PM	6/11/2020	1:30:00 AM

Rain(in.) = 0.92
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.28800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
6/10/2020	2:00:00 PM	6/11/2020	1:00:00 AM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.22100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
6/10/2020	2:00:00 PM	6/10/2020	5:45:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.70000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
6/10/2020	2:15:00 PM	6/11/2020	2:00:00 AM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.55500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
6/10/2020	2:15:00 PM	6/10/2020	6:15:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.45000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
6/10/2020	2:15:00 PM	6/10/2020	5:45:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.35600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
6/10/2020	2:15:00 PM	6/10/2020	8:15:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.16100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
6/10/2020	2:15:00 PM	6/10/2020	6:45:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.59500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
6/10/2020	2:30:00 PM	6/10/2020	6:30:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.67500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
6/10/2020	2:30:00 PM	6/10/2020	5:00:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.60500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **10**

Start Day	Start Time	End Day	End Time
6/10/2020	3:00:00 PM	6/10/2020	4:15:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
6/10/2020	3:00:00 PM	6/10/2020	4:15:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.96400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-E229-C6TBS
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
6/10/2020	3:15:00 PM	6/10/2020	4:45:00 PM

Rain(in.) = 0.92
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.43300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
6/22/2020	9:00:00 PM	6/23/2020	5:15:00 AM

Rain(in.) = 0.19
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.00700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
6/22/2020	9:00:00 PM	6/23/2020	3:00:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
6/22/2020	9:15:00 PM	6/23/2020	4:15:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
6/22/2020	9:30:00 PM	6/23/2020	3:45:00 AM

Rain(in.) = 0.19
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.03400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
6/22/2020	10:00:00 PM	6/23/2020	3:30:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
6/22/2020	10:00:00 PM	6/23/2020	4:00:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
6/22/2020	10:00:00 PM	6/23/2020	4:00:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
6/22/2020	10:15:00 PM	6/23/2020	5:15:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
6/22/2020	10:15:00 PM	6/23/2020	4:15:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
6/22/2020	10:15:00 PM	6/23/2020	3:45:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
6/22/2020	10:15:00 PM	6/23/2020	5:15:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.26200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
6/22/2020	10:15:00 PM	6/23/2020	4:45:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.33700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
6/22/2020	10:30:00 PM	6/23/2020	4:45:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-QH0J-G5JTR
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
6/22/2020	10:30:00 PM	6/23/2020	12:15:00 AM

Rain(in.) = 0.19
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
6/26/2020	8:00:00 PM	6/27/2020	1:30:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
6/26/2020	8:00:00 PM	6/27/2020	2:15:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.26200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
6/26/2020	8:00:00 PM	6/27/2020	2:00:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.72200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
6/26/2020	8:00:00 PM	6/27/2020	2:00:00 AM

Rain(in.) = 0.68
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.17900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
6/26/2020	8:00:00 PM	6/27/2020	4:00:00 AM

Rain(in.) = 0.68
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.02900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
6/26/2020	8:00:00 PM	6/27/2020	2:00:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
6/26/2020	8:00:00 PM	6/27/2020	2:15:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.36400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
6/26/2020	8:15:00 PM	6/27/2020	3:15:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.72100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
6/26/2020	8:15:00 PM	6/27/2020	2:00:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.16200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
6/26/2020	8:30:00 PM	6/27/2020	2:30:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.28200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
6/26/2020	8:30:00 PM	6/27/2020	4:00:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.54800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
6/26/2020	8:30:00 PM	6/27/2020	3:00:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.90700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
6/26/2020	8:45:00 PM	6/27/2020	3:00:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.45100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
6/26/2020	8:45:00 PM	6/27/2020	1:30:00 AM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.40900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP0-W8X6-NRAT5
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
6/26/2020	9:15:00 PM	6/26/2020	11:30:00 PM

Rain(in.) = 0.68
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.19800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	12:15:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	1:30:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.97900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	1:45:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.12200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	12:45:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.57200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	1:00:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.62000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	10:15:00 AM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.95000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	12:45:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.40800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	2:00:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.49300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	1:00:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.40100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	12:30:00 PM

Rain(in.) = 1.41
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.39200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	2:00:00 PM

Rain(in.) = 1.41
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.56500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	1:30:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
4.16600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	12:00:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.34600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
7/10/2020	5:00:00 AM	7/10/2020	12:45:00 PM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.80000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **10**

Start Day	Start Time	End Day	End Time
7/10/2020	5:15:00 AM	7/10/2020	8:15:00 AM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
7/10/2020	5:15:00 AM	7/10/2020	8:45:00 AM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.45500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-76V7-99WC2
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
7/10/2020	5:15:00 AM	7/10/2020	9:00:00 AM

Rain(in.) = 1.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.21900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
7/16/2020	1:00:00 AM	7/16/2020	3:00:00 PM

Rain(in.) = 0.41
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
7/16/2020	1:00:00 AM	7/16/2020	1:00:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
7/16/2020	1:15:00 AM	7/16/2020	2:00:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
7/16/2020	1:30:00 AM	7/16/2020	1:30:00 PM

Rain(in.) = 0.41
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.09000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
7/16/2020	2:00:00 AM	7/16/2020	1:15:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.03400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
7/16/2020	2:00:00 AM	7/16/2020	2:00:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.36700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
7/16/2020	2:00:00 AM	7/16/2020	1:45:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
7/16/2020	2:15:00 AM	7/16/2020	2:45:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.35900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
7/16/2020	2:15:00 AM	7/16/2020	2:00:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
7/16/2020	2:15:00 AM	7/16/2020	1:45:00 AM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
7/16/2020	2:30:00 AM	7/16/2020	2:30:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.22200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
7/16/2020	2:30:00 AM	7/16/2020	6:45:00 AM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.15200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
7/16/2020	2:30:00 AM	7/16/2020	3:00:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.73600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-9Q60-JMX7N
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
7/16/2020	2:30:00 AM	7/16/2020	2:30:00 PM

Rain(in.) = 0.41
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.92000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
7/19/2020	10:00:00 AM	7/19/2020	3:30:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
7/19/2020	10:00:00 AM	7/19/2020	4:30:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.25400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
7/19/2020	10:00:00 AM	7/19/2020	4:00:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.69900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
7/19/2020	10:00:00 AM	7/19/2020	4:00:00 PM

Rain(in.) = 0.66
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.17300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
7/19/2020	10:00:00 AM	7/19/2020	4:00:00 PM

Rain(in.) = 0.66
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.02800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
7/19/2020	10:00:00 AM	7/19/2020	4:00:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Start Day	Start Time	End Day	End Time
7/19/2020	10:00:00 AM	7/19/2020	4:15:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **9**

Dilute Raw Sewage (MG)
0.35200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
7/19/2020	10:15:00 AM	7/19/2020	5:00:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **12**

Dilute Raw Sewage (MG)
0.43600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
7/19/2020	10:15:00 AM	7/19/2020	5:30:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.69900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
7/19/2020	10:15:00 AM	7/19/2020	4:30:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.27300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Start Day	Start Time	End Day	End Time
7/19/2020	10:15:00 AM	7/19/2020	3:30:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **19**

Dilute Raw Sewage (MG)
0.39000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
7/19/2020	10:15:00 AM	7/19/2020	4:00:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **21**

Dilute Raw Sewage (MG)
0.15600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
7/19/2020	10:15:00 AM	7/19/2020	6:00:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.50300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
7/19/2020	10:15:00 AM	7/19/2020	5:00:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.84000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-CQ5G-65V80
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
7/19/2020	10:45:00 AM	7/19/2020	1:15:00 PM

Rain(in.) = 0.66
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
7/29/2020	1:00:00 AM	7/29/2020	7:45:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.12000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
7/29/2020	1:00:00 AM	7/29/2020	8:00:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.33000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
7/29/2020	1:00:00 AM	7/29/2020	7:15:00 AM

Rain(in.) = 0.35
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.08200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
7/29/2020	1:00:00 AM	7/29/2020	9:45:00 AM

Rain(in.) = 0.35
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
7/29/2020	1:00:00 AM	7/29/2020	7:00:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
7/29/2020	1:15:00 AM	7/29/2020	6:45:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.03100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
7/29/2020	1:45:00 AM	7/29/2020	8:30:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.33500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
7/29/2020	2:30:00 AM	7/29/2020	7:45:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.12800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
7/29/2020	2:30:00 AM	7/29/2020	7:15:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.16600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
7/29/2020	2:45:00 AM	7/29/2020	8:15:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.20500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
7/29/2020	2:45:00 AM	7/29/2020	7:15:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
7/29/2020	2:45:00 AM	7/29/2020	9:45:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.68400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
7/29/2020	2:45:00 AM	7/29/2020	8:30:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.85200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
7/29/2020	3:15:00 AM	7/29/2020	6:45:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-KWHT-7DQZ3
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
7/29/2020	5:15:00 AM	7/29/2020	6:15:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
8/2/2020	3:00:00 AM	8/2/2020	1:15:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.11300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
8/2/2020	3:00:00 AM	8/2/2020	2:00:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.43700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
8/2/2020	3:00:00 AM	8/2/2020	2:00:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.20400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
8/2/2020	3:00:00 AM	8/2/2020	3:30:00 PM

Rain(in.) = 1.11
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.29700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
8/2/2020	3:00:00 AM	8/2/2020	1:00:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
8/2/2020	3:15:00 AM	8/2/2020	1:45:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.60300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
8/2/2020	3:30:00 AM	8/2/2020	3:00:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.19600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
8/2/2020	3:30:00 AM	8/2/2020	2:00:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.47000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
8/2/2020	3:30:00 AM	8/2/2020	1:45:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.26900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
8/2/2020	3:45:00 AM	8/2/2020	3:30:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.60300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
8/2/2020	3:45:00 AM	8/2/2020	2:30:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.18600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
8/2/2020	4:00:00 AM	8/2/2020	2:30:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.74800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
8/2/2020	4:00:00 AM	8/2/2020	1:00:00 PM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.67300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
8/2/2020	4:00:00 AM	8/2/2020	3:30:00 PM

Rain(in.) = 1.11
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.27500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-QQBQ-WQ78J
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
8/2/2020	5:15:00 AM	8/2/2020	8:15:00 AM

Rain(in.) = 1.11
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
8/10/2020	9:00:00 PM	8/10/2020	10:45:00 PM

Rain(in.) = 0.25
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
8/10/2020	9:00:00 PM	8/11/2020	12:30:00 AM

Rain(in.) = 0.25
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.24200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
8/10/2020	9:00:00 PM	8/10/2020	11:45:00 PM

Rain(in.) = 0.25
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Start Day	Start Time	End Day	End Time
8/10/2020	9:00:00 PM	8/10/2020	11:45:00 PM

Rain(in.) = 0.25
Waterbody: Grand River

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **17**

Dilute Raw Sewage (MG)
0.09200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
8/10/2020	9:00:00 PM	8/11/2020	12:00:00 AM

Rain(in.) = 0.25
Waterbody: Grand River

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **24**

Dilute Raw Sewage (MG)
0.23400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
8/10/2020	9:00:00 PM	8/10/2020	11:15:00 PM

Rain(in.) = 0.25
Waterbody: Sycamore Creek

Dilute Raw Sewage (MG)
0.05800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
8/10/2020	9:00:00 PM	8/11/2020	1:45:00 AM

Rain(in.) = 0.25
Waterbody: Sycamore Creek

Dilute Raw Sewage (MG)
0.01000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Start Day	Start Time	End Day	End Time
8/10/2020	9:00:00 PM	8/10/2020	11:00:00 PM

Rain(in.) = 0.25
Waterbody: Grand River

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **46**

Dilute Raw Sewage (MG)
0.03400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
8/10/2020	9:00:00 PM	8/10/2020	11:15:00 PM

Rain(in.) = 0.25
Waterbody: Grand River

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **9**

Dilute Raw Sewage (MG)
0.12000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
8/10/2020	9:15:00 PM	8/11/2020	12:15:00 AM

Rain(in.) = 0.25
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
8/10/2020	9:15:00 PM	8/10/2020	10:45:00 PM

Rain(in.) = 0.25
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
8/10/2020	9:15:00 PM	8/10/2020	11:15:00 PM

Rain(in.) = 0.25
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
8/10/2020	9:15:00 PM	8/11/2020	1:45:00 AM

Rain(in.) = 0.25
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.49000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
8/10/2020	9:15:00 PM	8/11/2020	12:30:00 AM

Rain(in.) = 0.25
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.61400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP1-Y0E1-DK2RF
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
8/10/2020	9:30:00 PM	8/10/2020	10:15:00 PM

Rain(in.) = 0.25
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
8/26/2020	4:00:00 AM	8/26/2020	12:15:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
8/26/2020	4:00:00 AM	8/26/2020	12:00:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.27400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
8/26/2020	4:00:00 AM	8/26/2020	12:00:00 PM

Rain(in.) = 0.31
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.06800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
8/26/2020	4:00:00 AM	8/26/2020	1:30:00 PM

Rain(in.) = 0.31
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
8/26/2020	4:00:00 AM	8/26/2020	12:00:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
8/26/2020	4:15:00 AM	8/26/2020	11:30:00 AM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
8/26/2020	5:00:00 AM	8/26/2020	1:15:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.27800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
8/26/2020	5:00:00 AM	8/26/2020	12:30:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
8/26/2020	5:00:00 AM	8/26/2020	12:00:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
8/26/2020	5:00:00 AM	8/26/2020	1:30:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.55600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
8/26/2020	5:00:00 AM	8/26/2020	1:00:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.69700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
8/26/2020	5:00:00 AM	8/26/2020	12:15:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
8/26/2020	5:15:00 AM	8/26/2020	12:45:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.16900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
8/26/2020	5:15:00 AM	8/26/2020	11:15:00 AM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-9XPX-Z4FN0
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
8/26/2020	5:30:00 AM	8/26/2020	6:15:00 AM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
8/28/2020	2:00:00 AM	8/29/2020	4:30:00 AM

Rain(in.) = 1.61
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.69100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
8/28/2020	2:00:00 AM	8/29/2020	2:00:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.32100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
8/28/2020	2:15:00 AM	8/29/2020	2:30:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.63200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
8/28/2020	2:30:00 AM	8/29/2020	2:15:00 AM

Rain(in.) = 1.61
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.45300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
8/28/2020	4:00:00 AM	8/29/2020	1:45:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.16700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
8/28/2020	4:00:00 AM	8/29/2020	3:00:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.18400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
8/28/2020	4:00:00 AM	8/29/2020	2:15:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.98700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
8/28/2020	4:15:00 AM	8/29/2020	3:00:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.09900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
8/28/2020	4:15:00 AM	8/29/2020	3:30:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.33900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
8/28/2020	4:15:00 AM	8/29/2020	2:45:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.71300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
8/28/2020	4:15:00 AM	8/29/2020	2:00:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.48900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
8/28/2020	4:15:00 AM	8/29/2020	4:30:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.71000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
8/28/2020	4:15:00 AM	8/29/2020	3:15:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
4.53300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
8/28/2020	4:30:00 AM	8/29/2020	1:45:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.97200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **10**

Start Day	Start Time	End Day	End Time
8/28/2020	5:00:00 AM	8/28/2020	6:15:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
8/28/2020	5:00:00 AM	8/28/2020	11:15:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.95700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-DP3H-RBD0A
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
8/28/2020	5:15:00 AM	8/28/2020	6:45:00 AM

Rain(in.) = 1.61
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.38200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
9/1/2020	9:00:00 AM	9/1/2020	10:30:00 PM

Rain(in.) = 1.2
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.69700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
9/1/2020	9:00:00 AM	9/1/2020	8:00:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.34200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
9/1/2020	9:15:00 AM	9/1/2020	8:30:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.64100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
9/1/2020	9:30:00 AM	9/1/2020	8:15:00 PM

Rain(in.) = 1.2
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.59000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **10**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	6:45:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.20100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	7:45:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.22200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	9:00:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.34600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	9:30:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.72800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	8:45:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.91200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	7:45:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.95700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	8:00:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.73900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	10:30:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.74000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	9:00:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.35600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	9:15:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
4.11400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	6:30:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.76500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
9/1/2020	5:00:00 PM	9/1/2020	8:15:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.63000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-F9CP-B6DA9
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
9/1/2020	5:15:00 PM	9/1/2020	7:00:00 PM

Rain(in.) = 1.2
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.03200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	9:30:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.23100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	11:00:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.53300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	11:15:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.04200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	10:15:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.89700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	10:30:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.97200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	9:30:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.41300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	10:00:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.69600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	12:15:00 PM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
5.29600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	10:00:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.39600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	10:00:00 AM

Rain(in.) = 2.26
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.61200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	12:15:00 PM

Rain(in.) = 2.26
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
1.26400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	11:00:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
6.48500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	10:00:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.48500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
9/8/2020	4:00:00 AM	9/9/2020	10:15:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.24900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **10**

Start Day	Start Time	End Day	End Time
9/8/2020	4:15:00 AM	9/8/2020	6:15:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.00800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
9/8/2020	4:15:00 AM	9/9/2020	8:15:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.43600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP2-MWTG-72E4B
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
9/8/2020	4:30:00 AM	9/8/2020	7:15:00 AM

Rain(in.) = 2.26
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.42200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
9/30/2020	3:00:00 AM	9/30/2020	9:00:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.03000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
9/30/2020	3:15:00 AM	9/30/2020	10:00:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
9/30/2020	3:30:00 AM	9/30/2020	9:30:00 PM

Rain(in.) = 0.28
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.05100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
9/30/2020	10:00:00 AM	9/30/2020	10:00:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.20800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
9/30/2020	10:15:00 AM	9/30/2020	9:15:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
9/30/2020	11:00:00 AM	9/30/2020	11:00:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.20400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
9/30/2020	2:15:00 PM	9/30/2020	9:45:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.09800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
9/30/2020	2:30:00 PM	9/30/2020	9:45:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
9/30/2020	2:45:00 PM	9/30/2020	10:00:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
9/30/2020	3:00:00 PM	9/30/2020	10:30:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.12600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

MG = million gallons
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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
9/30/2020	3:00:00 PM	9/30/2020	11:30:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.40400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
9/30/2020	3:00:00 PM	9/30/2020	11:30:00 PM

Rain(in.) = 0.28
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.00900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
9/30/2020	3:00:00 PM	9/30/2020	10:45:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.51400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6363-EPQ8G
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
9/30/2020	5:00:00 PM	9/30/2020	9:00:00 PM

Rain(in.) = 0.28
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.07100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
10/1/2020	1:00:00 PM	10/1/2020	9:00:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
10/1/2020	1:00:00 PM	10/1/2020	9:30:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
10/1/2020	1:00:00 PM	10/1/2020	9:00:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.27700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
10/1/2020	1:00:00 PM	10/1/2020	9:15:00 PM

Rain(in.) = 0.31
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.06900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
10/1/2020	1:00:00 PM	10/1/2020	6:30:00 PM

Rain(in.) = 0.31
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
10/1/2020	1:00:00 PM	10/1/2020	9:00:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
10/1/2020	1:00:00 PM	10/1/2020	4:15:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
10/1/2020	1:15:00 PM	10/1/2020	5:00:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

MG = million gallons
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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
10/1/2020	1:15:00 PM	10/1/2020	9:45:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.28200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
10/1/2020	1:15:00 PM	10/1/2020	4:45:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

MG = million gallons
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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
10/1/2020	1:15:00 PM	10/1/2020	3:45:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
10/1/2020	1:15:00 PM	10/1/2020	4:00:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
10/1/2020	1:15:00 PM	10/1/2020	6:30:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.58100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
10/1/2020	1:15:00 PM	10/1/2020	5:15:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.72600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

MG = million gallons
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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-6VC4-RD9SM
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
10/1/2020	1:45:00 PM	10/1/2020	2:15:00 PM

Rain(in.) = 0.31
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
10/12/2020	6:00:00 PM	10/12/2020	9:15:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Start Day	Start Time	End Day	End Time
10/12/2020	6:00:00 PM	10/12/2020	10:00:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **16**

Dilute Raw Sewage (MG)
0.16900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
10/12/2020	6:00:00 PM	10/12/2020	10:00:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **24**

Dilute Raw Sewage (MG)
0.46300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
10/12/2020	6:00:00 PM	10/12/2020	9:45:00 PM

Rain(in.) = 0.45
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.11500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
10/12/2020	6:00:00 PM	10/12/2020	11:45:00 PM

Rain(in.) = 0.45
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Start Day	Start Time	End Day	End Time
10/12/2020	6:00:00 PM	10/12/2020	10:00:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **46**

Dilute Raw Sewage (MG)
0.06600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
10/12/2020	6:00:00 PM	10/12/2020	9:45:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **9**

Dilute Raw Sewage (MG)
0.23400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Start Day	Start Time	End Day	End Time
10/12/2020	6:15:00 PM	10/12/2020	10:30:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **12**

Dilute Raw Sewage (MG)
0.28900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
10/12/2020	6:15:00 PM	10/12/2020	11:00:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **15**

Dilute Raw Sewage (MG)
0.46600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
10/12/2020	6:15:00 PM	10/12/2020	10:15:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.18100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
10/12/2020	6:15:00 PM	10/12/2020	9:00:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.26600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
10/12/2020	6:15:00 PM	10/12/2020	9:45:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
10/12/2020	6:15:00 PM	10/12/2020	11:45:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.98700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
10/12/2020	6:15:00 PM	10/12/2020	10:45:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.21900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-FFJ5-J9SP3
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
10/12/2020	6:30:00 PM	10/12/2020	8:15:00 PM

Rain(in.) = 0.45
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.18100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
10/18/2020	1:00:00 PM	10/18/2020	9:45:00 PM

Rain(in.) = 0.18
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.00600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
10/18/2020	1:00:00 PM	10/18/2020	7:00:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
10/18/2020	1:15:00 PM	10/18/2020	8:15:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
10/18/2020	1:30:00 PM	10/18/2020	7:45:00 PM

Rain(in.) = 0.18
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.03200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
10/18/2020	4:00:00 PM	10/18/2020	7:30:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.01200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
10/18/2020	4:00:00 PM	10/18/2020	8:00:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
10/18/2020	4:00:00 PM	10/18/2020	8:00:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
10/18/2020	4:15:00 PM	10/18/2020	9:15:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
10/18/2020	4:15:00 PM	10/18/2020	7:45:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
10/18/2020	4:30:00 PM	10/18/2020	8:15:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
10/18/2020	4:30:00 PM	10/18/2020	9:45:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.25700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
10/18/2020	4:30:00 PM	10/18/2020	8:45:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.33200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
10/18/2020	4:45:00 PM	10/18/2020	8:45:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-M6F6-BK52W
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
10/18/2020	4:45:00 PM	10/18/2020	7:15:00 PM

Rain(in.) = 0.18
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
10/20/2020	10:00:00 PM	10/21/2020	7:15:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
10/20/2020	10:00:00 PM	10/21/2020	7:45:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.11400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
10/20/2020	10:00:00 PM	10/21/2020	8:00:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.31400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
10/20/2020	10:00:00 PM	10/21/2020	7:30:00 AM

Rain(in.) = 0.35
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.07700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
10/20/2020	10:00:00 PM	10/21/2020	7:30:00 AM

Rain(in.) = 0.35
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
10/20/2020	10:00:00 PM	10/21/2020	7:00:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
10/20/2020	10:00:00 PM	10/21/2020	7:15:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.15100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
10/20/2020	10:15:00 PM	10/21/2020	8:30:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.31100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
10/20/2020	10:15:00 PM	10/21/2020	7:45:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.12100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
10/20/2020	10:15:00 PM	10/21/2020	7:15:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
10/20/2020	10:15:00 PM	10/21/2020	7:30:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.63800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
10/20/2020	10:15:00 PM	10/21/2020	7:15:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.79200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
10/20/2020	10:30:00 PM	10/21/2020	6:30:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.19100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-NRZ3-VWYGJ
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
10/20/2020	10:30:00 PM	10/21/2020	3:15:00 AM

Rain(in.) = 0.35
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
10/21/2020	10:00:00 PM	10/22/2020	4:15:00 PM

Rain(in.) = 1.01
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.16600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
10/21/2020	10:00:00 PM	10/22/2020	2:00:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.15400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
10/21/2020	10:15:00 PM	10/22/2020	3:00:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.38600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
10/21/2020	10:30:00 PM	10/22/2020	2:30:00 PM

Rain(in.) = 1.01
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.26300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
10/22/2020	3:00:00 AM	10/22/2020	3:00:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.07700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
10/22/2020	3:15:00 AM	10/22/2020	2:15:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
10/22/2020	3:45:00 AM	10/22/2020	3:45:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.04700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
10/22/2020	4:15:00 AM	10/22/2020	2:45:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.53000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
10/22/2020	4:30:00 AM	10/22/2020	3:30:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.66200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
10/22/2020	4:30:00 AM	10/22/2020	3:00:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.41400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
10/22/2020	4:30:00 AM	10/22/2020	2:45:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.23700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
10/22/2020	4:30:00 AM	10/22/2020	4:15:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.28900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
10/22/2020	4:30:00 AM	10/22/2020	3:30:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
2.79700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
10/22/2020	4:45:00 AM	10/22/2020	1:45:00 PM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.58000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
10/22/2020	6:00:00 AM	10/22/2020	8:15:00 AM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.26100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-QBBW-M79EG
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
10/22/2020	6:30:00 AM	10/22/2020	7:30:00 AM

Rain(in.) = 1.01
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.00700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
10/23/2020	1:00:00 PM	10/23/2020	6:45:00 PM

Rain(in.) = 0.29
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
10/23/2020	1:00:00 PM	10/23/2020	4:00:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
10/23/2020	1:15:00 PM	10/23/2020	4:45:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
10/23/2020	1:30:00 PM	10/23/2020	4:15:00 PM

Rain(in.) = 0.29
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.06900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
10/23/2020	2:00:00 PM	10/23/2020	3:45:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.02600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
10/23/2020	2:00:00 PM	10/23/2020	5:30:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.28000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
10/23/2020	2:00:00 PM	10/23/2020	4:45:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
10/23/2020	2:00:00 PM	10/23/2020	4:15:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
10/23/2020	2:00:00 PM	10/23/2020	6:45:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.58300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
10/23/2020	2:00:00 PM	10/23/2020	5:00:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.27600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
10/23/2020	2:00:00 PM	10/23/2020	5:30:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.72700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
10/23/2020	2:00:00 PM	10/23/2020	4:15:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Start Day	Start Time	End Day	End Time
10/23/2020	2:15:00 PM	10/23/2020	5:15:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **12**

Dilute Raw Sewage (MG)
0.17500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Start Day	Start Time	End Day	End Time
10/23/2020	2:15:00 PM	10/23/2020	3:45:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **19**

Dilute Raw Sewage (MG)
0.15900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
10/23/2020	2:30:00 PM	10/23/2020	3:15:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.12900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP3-SNEZ-J34K7
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
10/23/2020	2:45:00 PM	10/23/2020	3:15:00 PM

Rain(in.) = 0.29
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.00400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	3:30:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.03500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	5:15:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.34100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	4:00:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	4:15:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.14500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	3:45:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.08300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	5:15:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.79200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	4:00:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.37700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	3:45:00 AM

Rain(in.) = 0.38
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.09300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	5:15:00 AM

Rain(in.) = 0.38
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.01600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	4:45:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.97200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	3:00:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.05400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
11/10/2020	11:00:00 PM	11/11/2020	4:00:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.18700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
11/10/2020	11:15:00 PM	11/11/2020	4:45:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.23200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
11/10/2020	11:15:00 PM	11/11/2020	1:00:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.21000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **8**

Start Day	Start Time	End Day	End Time
11/10/2020	11:15:00 PM	11/11/2020	12:15:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.21900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-726Y-8VYYZ
Permit MI0023400
Outfall **14**

Start Day	Start Time	End Day	End Time
11/10/2020	11:45:00 PM	11/11/2020	12:30:00 AM

Rain(in.) = 0.38
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.03600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
11/14/2020	10:00:00 PM	11/15/2020	5:00:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
11/14/2020	10:00:00 PM	11/15/2020	5:00:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.47700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
11/14/2020	10:00:00 PM	11/15/2020	4:30:00 PM

Rain(in.) = 0.53
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.11700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
11/14/2020	10:00:00 PM	11/15/2020	6:00:00 PM

Rain(in.) = 0.53
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.02000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
11/14/2020	10:00:00 PM	11/15/2020	4:00:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
11/14/2020	11:00:00 PM	11/15/2020	5:00:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.18300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
11/14/2020	11:00:00 PM	11/15/2020	4:45:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.22800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
11/14/2020	11:15:00 PM	11/15/2020	4:15:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
11/14/2020	11:15:00 PM	11/15/2020	5:30:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.28800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
11/14/2020	11:15:00 PM	11/15/2020	12:15:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.20400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
11/14/2020	11:15:00 PM	11/15/2020	4:45:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.10300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
11/14/2020	11:15:00 PM	11/15/2020	6:00:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.95000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-A6E6-4WF4D
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
11/14/2020	11:15:00 PM	11/15/2020	5:30:00 PM

Rain(in.) = 0.53
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.18900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
11/24/2020	2:00:00 PM	11/26/2020	1:00:00 AM

Rain(in.) = 0.59
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.02000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
11/24/2020	2:00:00 PM	11/25/2020	7:00:00 PM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.06600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
11/24/2020	2:15:00 PM	11/26/2020	12:00:00 AM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
11/24/2020	2:30:00 PM	11/25/2020	11:45:00 PM

Rain(in.) = 0.59
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.11500

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
11/24/2020	3:00:00 PM	11/25/2020	8:00:00 PM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.45300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
11/24/2020	3:15:00 PM	11/25/2020	11:30:00 PM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.04400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
11/24/2020	3:45:00 PM	11/26/2020	1:15:00 AM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.45400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
11/24/2020	4:15:00 PM	11/26/2020	12:00:00 AM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.21600

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
11/24/2020	4:30:00 PM	11/26/2020	12:15:00 AM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.17800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
11/24/2020	4:30:00 PM	11/25/2020	11:45:00 PM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.09900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
11/24/2020	4:45:00 PM	11/26/2020	12:45:00 AM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.27700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
11/24/2020	4:45:00 PM	11/26/2020	1:00:00 AM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.88200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
11/24/2020	4:45:00 PM	11/26/2020	12:45:00 AM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.12200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP4-N6JJ-Y0SE6
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
11/24/2020	5:00:00 PM	11/25/2020	7:15:00 PM

Rain(in.) = 0.59
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.16900

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **32**

Start Day	Start Time	End Day	End Time
12/11/2020	8:00:00 PM	12/12/2020	8:30:00 PM

Rain(in.) = 1.39
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.48800

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **46**

Start Day	Start Time	End Day	End Time
12/11/2020	8:00:00 PM	12/12/2020	6:00:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.21000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **16**

Start Day	Start Time	End Day	End Time
12/11/2020	8:15:00 PM	12/12/2020	7:15:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.53400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **26**

Start Day	Start Time	End Day	End Time
12/11/2020	8:30:00 PM	12/12/2020	6:45:00 PM

Rain(in.) = 1.39
Waterbody: Red Cedar River

Dilute Raw Sewage (MG)
0.36200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **11**

Start Day	Start Time	End Day	End Time
12/11/2020	9:00:00 PM	12/12/2020	6:30:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.13700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **24**

Start Day	Start Time	End Day	End Time
12/11/2020	9:00:00 PM	12/12/2020	7:00:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.47300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **15**

Start Day	Start Time	End Day	End Time
12/11/2020	9:30:00 PM	12/12/2020	8:15:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
1.45100

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **9**

Start Day	Start Time	End Day	End Time
12/11/2020	9:30:00 PM	12/12/2020	7:00:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.72200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **17**

Start Day	Start Time	End Day	End Time
12/11/2020	9:45:00 PM	12/12/2020	7:15:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.57000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **21**

Start Day	Start Time	End Day	End Time
12/11/2020	10:00:00 PM	12/12/2020	6:45:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.32300

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **22**

Start Day	Start Time	End Day	End Time
12/11/2020	10:00:00 PM	12/12/2020	8:30:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.13400

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **34**

Start Day	Start Time	End Day	End Time
12/11/2020	10:00:00 PM	12/12/2020	7:45:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
3.83700

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **12**

Start Day	Start Time	End Day	End Time
12/11/2020	10:15:00 PM	12/12/2020	7:45:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.91200

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HP5-06X3-WRZSM
Permit MI0023400
Outfall **19**

Start Day	Start Time	End Day	End Time
12/11/2020	10:30:00 PM	12/12/2020	6:00:00 PM

Rain(in.) = 1.39
Waterbody: Grand River

Dilute Raw Sewage (MG)
0.73000

Cause: Combined stormwater and sewage. CSO was due to rainfall. Discharge was not disinfected. Only the surface water was impacted.

Totals Lansing WWTP

Dilute Raw Sewage (MG)
333.53900

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

County Totals Ingham

Dilute Raw Sewage (MG)
333.53900

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Schoolcraft

Manistique WWTP

Manistique WWTP

Submission ID. HNY-QWSP-3JFCK
Permit MI0023515
Outfall **3**

Start Day	Start Time	End Day	End Time
3/29/2020	6:00:00 AM	3/30/2020	7:30:00 PM

Rain(in.) = 0.94
Waterbody: Manistique River

Dilute Raw Sewage (MG)
0.45500

Cause: Significant rain & snow melt event. Rain above 25 year in 24 hour period

Manistique WWTP

Submission ID. HP1-51ZX-T517S
Permit MI0023515
Outfall **3**

Start Day	Start Time	End Day	End Time
7/10/2020	10:30:00 PM	7/10/2020	2:30:00 PM

Rain(in.) = 2.25
Waterbody: Manistique River

Dilute Raw Sewage (MG)
0.07764

Cause: significant fast heavy rain event

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Manistique WWTP

Submission ID. HP1-JH02-T90F8
Permit MI0023515
Outfall **3**

Start Day	Start Time	End Day	End Time
7/26/2020	6:00:00 AM	7/27/2020	9:30:00 PM

Rain(in.) = 2.95
Waterbody: Manistique River

Dilute Raw Sewage (MG)
1.56000

Cause: significant rain event in short period of time

Totals Manistique WWTP

Dilute Raw Sewage (MG)
2.09264

EGLE Action: CSO control program is in facilities NPDES permit.

County Totals Schoolcraft

Dilute Raw Sewage (MG)
2.09264

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

St. Clair

Port Huron WWTP

Port Huron WWTP

Submission ID. HNW-PR2K-XHHGJ
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
1/11/2020	2:00:00 AM	1/16/2020	10:00:00 AM

Rain(in.) = 3.11
Waterbody: Black River

Dilute Raw Sewage (MG)
0.40800

Cause: Combined sewer overflow due to rain event. 408,000 gallons of combined wastewater was discharged, of which approximately 6,500 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HNW-ZA0H-FHRZM
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
1/18/2020	8:00:00 AM	1/19/2020	2:00:00 AM

Rain(in.) = 0.54
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01900

Cause: Combined sewer overflow due to rain event. 19,000 gallons of combined wastewater was discharged, of which approximately 2,025 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HNX-3B9E-F4YXY
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
1/24/2020	10:00:00 AM	1/25/2020	8:00:00 AM

Rain(in.) = 0.35
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00900

Cause: Combined sewer overflow due to rain event. 9,000 gallons of combined wastewater was discharged, of which approximately 1,181 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HNX-FZ4P-Q4DVH
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
2/10/2020	10:30:00 AM	2/10/2020	3:00:00 PM

Rain(in.) = 0.22
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00400

Cause: Combined sewer overflow due to rain event. 4,000 gallons of combined wastewater was discharged, of which approximately 908 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HNY-18M2-69W06
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
3/2/2020	9:30:00 AM	3/2/2020	5:00:00 PM

Rain(in.) = 0.6
Waterbody: Black River

Dilute Raw Sewage (MG)
0.02300

Cause: Combined sewer overflow due to rain event. 23,000 gallons of combined wastewater was discharged, of which approximately 1,125 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HNY-MV8Z-T4Y1K
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
3/28/2020	8:00:00 AM	3/28/2020	11:30:00 PM

Rain(in.) = 0.61
Waterbody: Black River

Dilute Raw Sewage (MG)
0.02400

Cause: Combined sewer overflow due to rain event. 24,000 gallons of combined wastewater was discharged, of which approximately 1,220 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HNY-MVGF-5AF75
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
3/29/2020	2:30:00 AM	3/29/2020	11:00:00 PM

Rain(in.) = 0.34
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00800

Cause: Combined sewer overflow due to rain event. 8,000 gallons of combined wastewater was discharged, of which approximately 680 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HNY-XHXX-D310N
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
4/7/2020	9:30:00 PM	4/8/2020	2:30:00 AM

Rain(in.) = 0.77
Waterbody: Black River

Dilute Raw Sewage (MG)
0.03500

Cause: Combined sewer overflow due to rain event. 35,000 gallons of combined wastewater was discharged, of which approximately 289 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HNZ-8DVF-ANTW1
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
4/23/2020	5:30:00 PM	4/23/2020	8:30:00 PM

Rain(in.) = 0.27
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00600

Cause: Combined sewer overflow due to rain event. 6,000 gallons of combined wastewater was discharged, of which approximately 608 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HNZ-D40K-5SR4Q
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
4/29/2020	10:00:00 AM	4/29/2020	5:00:00 PM

Rain(in.) = 0.52
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01800

Cause: Combined sewer overflow due to rain event. 18,000 gallons of combined wastewater was discharged, of which approximately 1,040 gallons was sanitary wastewater.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HNZ-NQE5-TT8CE
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
5/10/2020	11:30:00 PM	5/11/2020	12:30:00 AM

Rain(in.) = 0.44
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01300

Cause: Combined sewer overflow due to rain event. 13,000 gallons of combined wastewater was discharged, of which approximately 440 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HNZ-VC13-27MJ0
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
5/14/2020	1:30:00 PM	5/14/2020	4:30:00 PM

Rain(in.) = 0.35
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00900

Cause: Combined sewer overflow due to rain event. 9,000 gallons of combined wastewater was discharged, of which 481 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HNZ-W03H-GHHHV
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
5/15/2020	7:30:00 AM	5/15/2020	10:00:00 PM

Rain(in.) = 0.46
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01400

Cause: Combined sewer overflow due to rain event. 14,000 gallons of combined wastewater was discharged, of which approximately 748 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HNZ-W1RQ-V0XRC
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
5/18/2020	11:30:00 AM	5/19/2020	7:30:00 AM

Rain(in.) = 0.75
Waterbody: Black River

Dilute Raw Sewage (MG)
0.03400

Cause: Combined sewer overflow due to rain event. 34,000 gallons of combined wastewater was discharged, of which approximately 3,750 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP0-65CP-4DZ40
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
5/29/2020	1:30:00 PM	5/29/2020	3:00:00 PM

Rain(in.) = 0.2
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00300

Cause: Combined sewer overflow due to rain event. 3,000 gallons of combined wastewater was discharged, of which approximately 150 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP0-8NV7-0PBTV
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
6/3/2020	4:30:00 AM	6/3/2020	8:00:00 AM

Rain(in.) = 0.25
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00500

Cause: Combined sewer overflow due to rain event. 5,000 gallons of combined wastewater was discharged, of which approximately 250 gallons was sanitary wastewater.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP0-E2K2-PRQ88
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
6/10/2020	7:00:00 PM	6/11/2020	4:00:00 AM

Rain(in.) = 1.22
Waterbody: Black River

Dilute Raw Sewage (MG)
0.07900

Cause: Combined sewer overflow due to rain event. 79,000 gallons of combined wastewater was discharged, of which approximately 1,250 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP0-RC05-E3YB8
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
6/23/2020	9:30:00 AM	6/23/2020	2:00:00 PM

Rain(in.) = 1.19
Waterbody: Black River

Dilute Raw Sewage (MG)
0.07600

Cause: Combined sewer overflow due to rain event. 76,000 gallons of combined wastewater was discharged, of which approximately 1,500 gallons was sanitary wastewater.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP0-WAVN-EDVK8
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
6/27/2020	3:00:00 AM	6/27/2020	4:30:00 AM

Rain(in.) = 0.45
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01400

Cause: Combined sewer overflow due to rain event. 14,000 gallons of combined wastewater was discharged, of which approximately 675 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP1-79GR-E3ZP8
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
7/10/2020	4:00:00 PM	7/10/2020	6:00:00 PM

Rain(in.) = 0.3
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00700

Cause: Combined sewer overflow due to rain event. 7,000 gallons of combined wastewater was discharged, of which approximately 375 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP1-79SN-7CK2M
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
7/11/2020	4:30:00 AM	7/11/2020	8:30:00 AM

Rain(in.) = 0.5
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01700

Cause: Combined sewer overflow due to rain event. 17,000 gallons of combined wastewater was discharged, of which approximately 1,375 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP1-CP8B-WQG4K
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
7/19/2020	12:00:00 PM	7/19/2020	6:30:00 PM

Rain(in.) = 0.59
Waterbody: Black River

Dilute Raw Sewage (MG)
0.02200

Cause: Combined sewer overflow due to rain event. 22,000 gallons of combined wastewater was discharged, of which approximately 1,033 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP1-NE07-ZPEMZ
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
7/29/2020	6:00:00 AM	7/29/2020	7:00:00 AM

Rain(in.) = 0.21
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00400

Cause: Combined sewer overflow due to rain event. 4,000 gallons of combined wastewater was discharged, of which approximately 473 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP1-QME4-SVBTQ
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
8/2/2020	5:30:00 AM	8/2/2020	8:00:00 PM

Rain(in.) = 1.37
Waterbody: Black River

Dilute Raw Sewage (MG)
0.09700

Cause: Combined sewer overflow due to rain event. 97,000 gallons of combined wastewater was discharged, of which approximately 6,250 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP1-SDDC-STWFE
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
8/3/2020	11:00:00 AM	8/4/2020	6:30:00 AM

Rain(in.) = 2.05
Waterbody: Black River

Dilute Raw Sewage (MG)
0.19700

Cause: Combined sewer overflow due to rain event. 197,000 of combined wastewater was discharged, of which approximately 2,750 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP1-SDRX-EK4VH
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
8/4/2020	9:30:00 AM	8/5/2020	2:00:00 AM

Rain(in.) = 0.3
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00700

Cause: Combined sewer overflow due to rain event. 7,000 gallons of combined wastewater was discharged, of which approximately 675 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP2-33FF-6ARFC
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
8/16/2020	8:00:00 AM	8/17/2020	7:30:00 AM

Rain(in.) = 2.45
Waterbody: Black River

Dilute Raw Sewage (MG)
0.26900

Cause: Combined sewer overflow due to rain event. 269,00 gallons of combined wastewater was discharged, of which approximately 2,500 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP2-EGTK-GMT78
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
8/28/2020	7:30:00 AM	8/28/2020	4:30:00 PM

Rain(in.) = 0.35
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00900

Cause: Combined sewer overflow due to rain event. 9,000 gallons of combined wastewater was discharged, of which approximately 1,400 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP2-F9VD-VR9W5
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
9/1/2020	10:00:00 PM	9/2/2020	1:00:00 AM

Rain(in.) = 0.5
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01700

Cause: Combined sewer overflow due to rain event. 17,000 gallons of combined wastewater was discharged, of which approximately 500 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP2-KY19-XMVBE
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
9/7/2020	2:30:00 AM	9/7/2020	6:00:00 AM

Rain(in.) = 0.57
Waterbody: Black River

Dilute Raw Sewage (MG)
0.02100

Cause: Combined sewer overflow due to rain event. 21,000 gallons of combined wastewater was discharged, of which approximately 855 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP2-NEZK-H4PC9
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
9/8/2020	8:30:00 AM	9/8/2020	5:00:00 PM

Rain(in.) = 0.62
Waterbody: Black River

Dilute Raw Sewage (MG)
0.02400

Cause: Combined sewer overflow duet to rain event. 24,000 gallons of combined wastewater was discharged, of which approximately 2,170 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP3-4CSZ-7X0CZ
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
9/28/2020	5:00:00 PM	9/28/2020	7:00:00 PM

Rain(in.) = 0.35
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00900

Cause: Combined sewer overflow due to rain event. 9,000 gallons of combined wastewater was discharged, of which approximately 613 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP3-GY0R-413AV
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
10/12/2020	11:00:00 PM	10/13/2020	1:30:00 AM

Rain(in.) = 0.4
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01100

Cause: Combined sewer overflow due to rain event. 11,000 gallons of combined wastewater was discharged, of which approximately 700 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP3-MA34-
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
10/18/2020	9:30:00 PM	10/18/2020	10:30:00 PM

Rain(in.) = 0.21
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00400

Cause: Combined sewer overflow due to rain event. 4,000 gallons of combined wastewater was discharged, of which approximately 630 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP3-QCX0-EEGR4
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
10/21/2020	5:00:00 AM	10/21/2020	6:00:00 AM

Rain(in.) = 0.28
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00600

Cause: Combined sewer overflow due to rain event. 6,000 gallons of combined wastewater was discharged, of which approximately 350 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP3-SVGN-GDK93
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
10/23/2020	5:30:00 PM	10/23/2020	8:30:00 PM

Rain(in.) = 0.5
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01700

Cause: Combined sewer overflow due to rain event. 17,000 gallons of combined wastewater was discharged, of which approximately 500 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP4-B296-HAZFG
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
11/15/2020	8:00:00 AM	11/15/2020	11:00:00 PM

Rain(in.) = 0.7
Waterbody: Black River

Dilute Raw Sewage (MG)
0.03000

Cause: Combined sewer overflow due to rain event. 30,000 gallons of combined wastewater was discharged, of which approximately 2,538 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP4-GE7K-CRTDN
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
11/22/2020	7:00:00 PM	11/22/2020	8:00:00 PM

Rain(in.) = 0.4
Waterbody: Black River

Dilute Raw Sewage (MG)
0.01100

Cause: Combined sewer overflow due to rain event. 11,000 gallons of combined wastewater was discharged, of which approximately 1,200 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP4-P085-S2AVN
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
11/25/2020	9:00:00 PM	11/26/2020	5:00:00 AM

Rain(in.) = 0.3
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00700

Cause: Combined sewer overflow due to rain event. 7,000 gallons of combined wastewater was discharged, of which approximately 863 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP4-QQBE-VDAPZ
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
11/30/2020	2:00:00 PM	11/30/2020	11:30:00 PM

Rain(in.) = 0.6
Waterbody: Black River

Dilute Raw Sewage (MG)
0.02300

Cause: Combined sewer overflow due to rain event. 23,000 gallons of combined wastewater was discharged, of which approximately 2,850 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Port Huron WWTP

Submission ID. HP5-0C3M-WJAEE
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
12/12/2020	9:00:00 AM	12/12/2020	9:00:00 PM

Rain(in.) = 0.76
Waterbody: Black River

Dilute Raw Sewage (MG)
0.03500

Cause: Combined sewer overflow due to rain event. 35,000 gallons of combined wastewater was discharged, of which approximately 2,470 gallons was sanitary wastewater.

Port Huron WWTP

Submission ID. HP5-B75P-V5DN2
Permit MI0023833
Outfall **5**

Start Day	Start Time	End Day	End Time
12/27/2020	2:30:00 PM	12/27/2020	3:30:00 PM

Rain(in.) = 0.22
Waterbody: Black River

Dilute Raw Sewage (MG)
0.00400

Cause: Combined sewer overflow due to snow melt. 4,000 gallons of combined wastewater was discharged, of which approximately 990 gallons was sanitary wastewater.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Totals **Port Huron WWTP**

	Dilute Raw Sewage (MG)
	1.64900

EGLE Action: 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.

County Totals **St. Clair**

	Dilute Raw Sewage (MG)
	1.64900

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne

Dearborn CSO

Dearborn CSO

Start Day	Start Time	End Day	End Time
1/10/2020	10:05:00 PM	1/12/2020	4:00:00 AM

Rain(in.) = 2.87
Waterbody: Rouge River

Submission ID. HNW-PATP-6KJ5C
Permit MI0025542
Outfall **1**

Dilute Raw Sewage (MG)
4.10000

Cause: Rain water in the combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Start Day	Start Time	End Day	End Time
1/10/2020	10:05:00 PM	1/12/2020	4:00:00 AM

Rain(in.) = 2.87
Waterbody: Rouge River

Submission ID. HNW-PATP-6KJ5C
Permit MI0025542
Outfall **13**

Dilute Raw Sewage (MG)
26.72000

Cause: Rain water in the combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNW-PATP-6KJ5C
Permit MI0025542
Outfall **14**

Start Day	Start Time	End Day	End Time
1/10/2020	10:05:00 PM	1/12/2020	4:00:00 AM

Rain(in.) = 2.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
41.67000

Cause: Rain water in the combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HNW-PATP-6KJ5C
Permit MI0025542
Outfall **2**

Start Day	Start Time	End Day	End Time
1/10/2020	10:05:00 PM	1/12/2020	4:00:00 AM

Rain(in.) = 2.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.41000

Cause: Rain water in the combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNW-PATP-6KJ5C
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
1/10/2020	10:05:00 PM	1/12/2020	4:00:00 AM

Rain(in.) = 2.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
10.20000

Cause: Rain water in the combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HNW-PATP-6KJ5C
Permit MI0025542
Outfall **4**

Start Day	Start Time	End Day	End Time
1/10/2020	10:05:00 PM	1/12/2020	4:00:00 AM

Rain(in.) = 2.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
9.36000

Cause: Rain water in the combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNX-0YVT-A6SS4
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
1/24/2020	8:52:00 AM	1/24/2020	8:26:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.18000

Cause: rain fall caused combined sewer to over flow weir wall per permit.

Dearborn CSO

Submission ID. HNX-0YVT-A6SS4
Permit MI0025542
Outfall **13**

Start Day	Start Time	End Day	End Time
1/24/2020	8:52:00 AM	1/24/2020	8:26:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.96000

Cause: rain fall caused combined sewer to over flow weir wall per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNX-0YVT-A6SS4
Permit MI0025542
Outfall **14**

Start Day	Start Time	End Day	End Time
1/24/2020	8:52:00 AM	1/24/2020	8:26:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.09000

Cause: rain fall caused combined sewer to over flow weir wall per permit.

Dearborn CSO

Submission ID. HNX-0YVT-A6SS4
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
1/24/2020	8:52:00 AM	1/24/2020	8:26:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.01000

Cause: rain fall caused combined sewer to over flow weir wall per permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNX-0YVT-A6SS4
Permit MI0025542
Outfall **4**

Start Day	Start Time	End Day	End Time
1/24/2020	8:52:00 AM	1/24/2020	8:26:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.15000

Cause: rain fall caused combined sewer to over flow weir wall per permit.

Dearborn CSO

Submission ID. HNX-YN8T-GCKW7
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
3/2/2020	5:29:00 AM	3/2/2020	8:10:00 AM

Rain(in.) = 0.21
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.03000

Cause: rain fall caused combined sewer to over flow weir wall as outlined in permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNX-YN8T-GCKW7
Permit MI0025542
Outfall **13**

Start Day	Start Time	End Day	End Time
3/2/2020	5:29:00 AM	3/2/2020	8:10:00 AM

Rain(in.) = 0.21
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.36000

Cause: rain fall caused combined sewer to over flow weir wall as outlined in permit.

Dearborn CSO

Submission ID. HNX-YN8T-GCKW7
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
3/2/2020	5:29:00 AM	3/2/2020	8:10:00 AM

Rain(in.) = 0.21
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.19000

Cause: rain fall caused combined sewer to over flow weir wall as outlined in permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-559B-1XA2Q
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
3/10/2020	1:30:00 PM	3/10/2020	2:31:00 PM

Rain(in.) = 0.16
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: rain fall caused sewer levels in combined sewer to crest weir wall per permit.

Dearborn CSO

Submission ID. HNY-559B-1XA2Q
Permit MI0025542
Outfall **13**

Start Day	Start Time	End Day	End Time
3/10/2020	1:30:00 PM	3/10/2020	2:31:00 PM

Rain(in.) = 0.16
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.06000

Cause: rain fall caused sewer levels in combined sewer to crest weir wall per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-559B-1XA2Q
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
3/10/2020	1:30:00 PM	3/10/2020	2:31:00 PM

Rain(in.) = 0.16
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.03000

Cause: rain fall caused sewer levels in combined sewer to crest weir wall per permit.

Dearborn CSO

Submission ID. HNY-BHNZ-Z7PBA
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
3/18/2020	5:47:00 PM	3/18/2020	9:57:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.18000

Cause: rain fall caused combined sewer to crest weir wall-per permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-BHNZ-Z7PBA
Permit MI0025542
Outfall **13**

Start Day	Start Time	End Day	End Time
3/18/2020	5:47:00 PM	3/18/2020	9:57:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.96000

Cause: rain fall caused combined sewer to crest weir wall-per permit.

Dearborn CSO

Submission ID. HNY-BHNZ-Z7PBA
Permit MI0025542
Outfall **14**

Start Day	Start Time	End Day	End Time
3/18/2020	5:47:00 PM	3/18/2020	9:57:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.09000

Cause: rain fall caused combined sewer to crest weir wall-per permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-BHNZ-Z7PBA
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
3/18/2020	5:47:00 PM	3/18/2020	9:57:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.01000

Cause: rain fall caused combined sewer to crest weir wall-per permit.

Dearborn CSO

Submission ID. HNY-BHNZ-Z7PBA
Permit MI0025542
Outfall **4**

Start Day	Start Time	End Day	End Time
3/18/2020	5:47:00 PM	3/18/2020	9:57:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.15000

Cause: rain fall caused combined sewer to crest weir wall-per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-CCBQ-5E421
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
3/19/2020	7:31:00 PM	3/19/2020	11:47:00 PM

Rain(in.) = 0.26
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.06000

Cause: rain water caused combined sewer to overflow weir wall-per permit.

Dearborn CSO

Submission ID. HNY-CCBQ-5E421
Permit MI0025542
Outfall **13**

Start Day	Start Time	End Day	End Time
3/19/2020	7:31:00 PM	3/19/2020	11:47:00 PM

Rain(in.) = 0.26
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.66000

Cause: rain water caused combined sewer to overflow weir wall-per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-CCBQ-5E421
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
3/19/2020	7:31:00 PM	3/19/2020	11:47:00 PM

Rain(in.) = 0.26
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.36000

Cause: rain water caused combined sewer to overflow weir wall-per permit.

Dearborn CSO

Submission ID. HNY-HXN4-7Q8GS
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
3/26/2020	8:51:00 PM	3/26/2020	10:43:00 PM

Rain(in.) = 0.2
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.02000

Cause: Rain water caused combined sewer to over flow weir wall at designated level-Per Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-HXN4-7Q8GS
Permit MI0025542
Outfall **13**

Start Day	Start Time	End Day	End Time
3/26/2020	8:51:00 PM	3/26/2020	10:43:00 PM

Rain(in.) = 0.2
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.30000

Cause: Rain water caused combined sewer to over flow weir wall at designated level-Per Permit.

Dearborn CSO

Submission ID. HNY-HXN4-7Q8GS
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
3/26/2020	8:51:00 PM	3/26/2020	10:43:00 PM

Rain(in.) = 0.2
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.16000

Cause: Rain water caused combined sewer to over flow weir wall at designated level-Per Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-JWPV-QBYG0
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
3/28/2020	2:28:00 AM	3/28/2020	1:23:00 PM

Rain(in.) = 1.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.38000

Cause: rain water caused combined sewer to over flow weir wall at designated height-per permit

Dearborn CSO

Submission ID. HNY-JWPV-QBYG0
Permit MI0025542
Outfall **13**

Start Day	Start Time	End Day	End Time
3/28/2020	2:28:00 AM	3/28/2020	1:23:00 PM

Rain(in.) = 1.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
10.87000

Cause: rain water caused combined sewer to over flow weir wall at designated height-per permit

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-JWPV-QBYG0
Permit MI0025542
Outfall **14**

Start Day	Start Time	End Day	End Time
3/28/2020	2:28:00 AM	3/28/2020	1:23:00 PM

Rain(in.) = 1.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
9.43000

Cause: rain water caused combined sewer to over flow weir wall at designated height-per permit

Dearborn CSO

Submission ID. HNY-JWPV-QBYG0
Permit MI0025542
Outfall **2**

Start Day	Start Time	End Day	End Time
3/28/2020	2:28:00 AM	3/28/2020	1:23:00 PM

Rain(in.) = 1.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.07000

Cause: rain water caused combined sewer to over flow weir wall at designated height-per permit

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-JWPV-QBYG0
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
3/28/2020	2:28:00 AM	3/28/2020	1:23:00 PM

Rain(in.) = 1.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
4.81000

Cause: rain water caused combined sewer to over flow weir wall at designated height-per permit

Dearborn CSO

Submission ID. HNY-JWPV-QBYG0
Permit MI0025542
Outfall **4**

Start Day	Start Time	End Day	End Time
3/28/2020	2:28:00 AM	3/28/2020	1:23:00 PM

Rain(in.) = 1.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.44000

Cause: rain water caused combined sewer to over flow weir wall at designated height-per permit

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-KPZ9-87EC8
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
3/29/2020	12:49:00 AM	3/29/2020	5:37:00 AM

Rain(in.) = 0.36
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.12000

Cause: rain water caused combined sewer to overflow weir wall at designated elevations, per permit.

Dearborn CSO

Submission ID. HNY-KPZ9-87EC8
Permit MI0025542
Outfall **13**

Start Day	Start Time	End Day	End Time
3/29/2020	12:49:00 AM	3/29/2020	5:37:00 AM

Rain(in.) = 0.36
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.30000

Cause: rain water caused combined sewer to overflow weir wall at designated elevations, per permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-KPZ9-87EC8
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
3/29/2020	12:49:00 AM	3/29/2020	5:37:00 AM

Rain(in.) = 0.36
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.68000

Cause: rain water caused combined sewer to overflow weir wall at designated elevations, per permit.

Dearborn CSO

Submission ID. HNY-V24C-HTVMP
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
4/7/2020	11:16:00 AM	4/8/2020	12:31:00 AM

Rain(in.) = 0.92
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.59000

Cause: rain water caused combined sewers to over flow designated weir walls to the river, per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Start Day	Start Time	End Day	End Time
4/7/2020	11:16:00 AM	4/8/2020	12:31:00 AM

Rain(in.) = 0.92
Waterbody: Rouge River

Submission ID. HNY-V24C-HTVMP
Permit MI0025542
Outfall **13**

Dilute Raw Sewage (MG)
5.38000

Cause: rain water caused combined sewers to over flow designated weir walls to the river, per permit.

Dearborn CSO

Start Day	Start Time	End Day	End Time
4/7/2020	11:16:00 AM	4/8/2020	12:31:00 AM

Rain(in.) = 0.92
Waterbody: Rouge River

Submission ID. HNY-V24C-HTVMP
Permit MI0025542
Outfall **14**

Dilute Raw Sewage (MG)
2.32000

Cause: rain water caused combined sewers to over flow designated weir walls to the river, per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Start Day	Start Time	End Day	End Time
4/7/2020	11:16:00 AM	4/8/2020	12:31:00 AM

Rain(in.) = 0.92
Waterbody: Rouge River

Submission ID. HNY-V24C-HTVMP
Permit MI0025542
Outfall **2**

Dilute Raw Sewage (MG)
0.01000

Cause: rain water caused combined sewers to over flow designated weir walls to the river, per permit.

Dearborn CSO

Start Day	Start Time	End Day	End Time
4/7/2020	11:16:00 AM	4/8/2020	12:31:00 AM

Rain(in.) = 0.92
Waterbody: Rouge River

Submission ID. HNY-V24C-HTVMP
Permit MI0025542
Outfall **3**

Dilute Raw Sewage (MG)
2.59000

Cause: rain water caused combined sewers to over flow designated weir walls to the river, per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-V24C-HTVMP
Permit MI0025542
Outfall **4**

Start Day	Start Time	End Day	End Time
4/7/2020	11:16:00 AM	4/8/2020	12:31:00 AM

Rain(in.) = 0.92
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.40000

Cause: rain water caused combined sewers to over flow designated weir walls to the river, per permit.

Dearborn CSO

Submission ID. HNY-ZDT7-FHWDK
Permit MI0025542
Outfall **1**

Start Day	Start Time	End Day	End Time
4/13/2020	12:56:00 AM	4/13/2020	11:34:00 AM

Rain(in.) = 0.25
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.05000

Cause: Rain water caused combined sewers to overflow weir wall at designated points, per permit and flow to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-ZDT7-FHWDK
Permit MI0025542
Outfall **13**

Start Day	Start Time	End Day	End Time
4/13/2020	12:56:00 AM	4/13/2020	11:34:00 AM

Rain(in.) = 0.25
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.60000

Cause: Rain water caused combined sewers to overflow weir wall at designated points, per permit and flow to river.

Dearborn CSO

Submission ID. HNY-ZDT7-FHWDK
Permit MI0025542
Outfall **3**

Start Day	Start Time	End Day	End Time
4/13/2020	12:56:00 AM	4/13/2020	11:34:00 AM

Rain(in.) = 0.25
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.32000

Cause: Rain water caused combined sewers to overflow weir wall at designated points, per permit and flow to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-DDSB-97E5F
Permit MI0025542

Start Day	Start Time	End Day	End Time
4/30/2020	8:30:00 PM	5/1/2020	1:35:00 AM

Rain(in.) = 0.31
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.52000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HNZ-DDSB-97E5F
Permit MI0025542

Start Day	Start Time	End Day	End Time
4/30/2020	8:30:00 PM	5/1/2020	1:35:00 AM

Rain(in.) = 0.31
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.98000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-DDSB-97E5F
Permit MI0025542

Start Day	Start Time	End Day	End Time
4/30/2020	8:30:00 PM	5/1/2020	1:35:00 AM

Rain(in.) = 0.31
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.09000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HNZ-NAK4-YNJVJ
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/10/2020	9:58:00 PM	5/11/2020	4:35:00 AM

Rain(in.) = 0.5
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.23000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-NAK4-YNJVJ
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/10/2020	9:58:00 PM	5/11/2020	4:35:00 AM

Rain(in.) = 0.5
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.18000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HNZ-NAK4-YNJVJ
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/10/2020	9:58:00 PM	5/11/2020	4:35:00 AM

Rain(in.) = 0.5
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.21000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-NAK4-YNJVJ
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/10/2020	9:58:00 PM	5/11/2020	4:35:00 AM

Rain(in.) = 0.5
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.15000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HNZ-NAK4-YNJVJ
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/10/2020	9:58:00 PM	5/11/2020	4:35:00 AM

Rain(in.) = 0.5
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.25000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-R6A2-T8E2D
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/14/2020	11:33:00 AM	5/14/2020	3:54:00 PM

Rain(in.) = 0.62
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.55000

Cause: Rain fall caused combined sewer to overflow weir wall at designated areas per permit.

Dearborn CSO

Submission ID. HNZ-R6A2-T8E2D
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/14/2020	11:33:00 AM	5/14/2020	3:54:00 PM

Rain(in.) = 0.62
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: Rain fall caused combined sewer to overflow weir wall at designated areas per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-R6A2-T8E2D
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/14/2020	11:33:00 AM	5/14/2020	3:54:00 PM

Rain(in.) = 0.62
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.08000

Cause: Rain fall caused combined sewer to overflow weir wall at designated areas per permit.

Dearborn CSO

Submission ID. HNZ-R6A2-T8E2D
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/14/2020	11:33:00 AM	5/14/2020	3:54:00 PM

Rain(in.) = 0.62
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.56000

Cause: Rain fall caused combined sewer to overflow weir wall at designated areas per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-R6A2-T8E2D
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/14/2020	11:33:00 AM	5/14/2020	3:54:00 PM

Rain(in.) = 0.62
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.31000

Cause: Rain fall caused combined sewer to overflow weir wall at designated areas per permit.

Dearborn CSO

Submission ID. HNZ-R6A2-T8E2D
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/14/2020	11:33:00 AM	5/14/2020	3:54:00 PM

Rain(in.) = 0.62
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.56000

Cause: Rain fall caused combined sewer to overflow weir wall at designated areas per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-RRDQ-TMKEV
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/15/2020	4:09:00 AM	5/15/2020	3:33:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.42000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HNZ-RRDQ-TMKEV
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/15/2020	4:09:00 AM	5/15/2020	3:33:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-RRDQ-TMKEV
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/15/2020	4:09:00 AM	5/15/2020	3:33:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.27000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HNZ-RRDQ-TMKEV
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/15/2020	4:09:00 AM	5/15/2020	3:33:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.79000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-RRDQ-TMKEV
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/15/2020	4:09:00 AM	5/15/2020	3:33:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.41000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HNZ-RRDQ-TMKEV
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/15/2020	4:09:00 AM	5/15/2020	3:33:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.45000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-V605-8HVXX
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/18/2020	9:02:00 AM	5/19/2020	11:34:00 AM

Rain(in.) = 1.57
Waterbody: Rouge River

Dilute Raw Sewage (MG)
4.96000

Cause: Rain fall caused combined sewer to overflow weir wall at designated locations per permit.

Dearborn CSO

Submission ID. HNZ-V605-8HVXX
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/18/2020	9:02:00 AM	5/19/2020	11:34:00 AM

Rain(in.) = 1.57
Waterbody: Rouge River

Dilute Raw Sewage (MG)
11.26000

Cause: Rain fall caused combined sewer to overflow weir wall at designated locations per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-V605-8HVXX
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/18/2020	9:02:00 AM	5/19/2020	11:34:00 AM

Rain(in.) = 1.57
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.44000

Cause: Rain fall caused combined sewer to overflow weir wall at designated locations per permit.

Dearborn CSO

Submission ID. HNZ-V605-8HVXX
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/18/2020	9:02:00 AM	5/19/2020	11:34:00 AM

Rain(in.) = 1.57
Waterbody: Rouge River

Dilute Raw Sewage (MG)
10.06000

Cause: Rain fall caused combined sewer to overflow weir wall at designated locations per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-V605-8HVXX
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/18/2020	9:02:00 AM	5/19/2020	11:34:00 AM

Rain(in.) = 1.57
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.07000

Cause: Rain fall caused combined sewer to overflow weir wall at designated locations per permit.

Dearborn CSO

Submission ID. HNZ-V605-8HVXX
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/18/2020	9:02:00 AM	5/19/2020	11:34:00 AM

Rain(in.) = 1.57
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.58000

Cause: Rain fall caused combined sewer to overflow weir wall at designated locations per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-YKM4-BAW30
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/22/2020	2:09:00 PM	5/22/2020	4:15:00 PM

Rain(in.) = 0.22
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.03000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HNZ-YKM4-BAW30
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/22/2020	2:09:00 PM	5/22/2020	4:15:00 PM

Rain(in.) = 0.22
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.42000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-YKM4-BAW30
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/22/2020	2:09:00 PM	5/22/2020	4:15:00 PM

Rain(in.) = 0.22
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.23000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP0-3CSM-HF6VS
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/28/2020	6:48:00 PM	5/28/2020	7:49:00 PM

Rain(in.) = 0.17
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.12000

Cause: Rain water caused combined sewer levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-3CSM-HF6VS
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/28/2020	6:48:00 PM	5/28/2020	7:49:00 PM

Rain(in.) = 0.17
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.06000

Cause: Rain water caused combined sewer levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP0-3CSM-HF6VS
Permit MI0025542

Start Day	Start Time	End Day	End Time
5/28/2020	6:48:00 PM	5/28/2020	7:49:00 PM

Rain(in.) = 0.17
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: Rain water caused combined sewer levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-6NKX-8ZSRQ
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/1/2020	11:53:00 PM	6/2/2020	2:00:00 AM

Rain(in.) = 0.48
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.30000

Cause: Rain fall caused combined sewer to overflow weir walls at designated sites per permit.

Dearborn CSO

Submission ID. HP0-6NKX-8ZSRQ
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/1/2020	11:53:00 PM	6/2/2020	2:00:00 AM

Rain(in.) = 0.48
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.16000

Cause: Rain fall caused combined sewer to overflow weir walls at designated sites per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-6NKX-8ZSRQ
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/1/2020	11:53:00 PM	6/2/2020	2:00:00 AM

Rain(in.) = 0.48
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.02000

Cause: Rain fall caused combined sewer to overflow weir walls at designated sites per permit.

Dearborn CSO

Submission ID. HP0-DKCD-023GC
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/10/2020	7:30:00 PM	6/10/2020	9:53:00 PM

Rain(in.) = 0.21
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.19000

Cause: Rain fall caused combined sewer to over flow weir walls at designated location per city of Dearborn Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-DKCD-023GC
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/10/2020	7:30:00 PM	6/10/2020	9:53:00 PM

Rain(in.) = 0.21
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.03000

Cause: Rain fall caused combined sewer to over flow weir walls at designated location per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP0-DKCD-023GC
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/10/2020	7:30:00 PM	6/10/2020	9:53:00 PM

Rain(in.) = 0.21
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.36000

Cause: Rain fall caused combined sewer to over flow weir walls at designated location per city of Dearborn Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-QEJX-ZPT9Y
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/23/2020	7:46:00 AM	6/23/2020	10:27:00 AM

Rain(in.) = 0.74
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.96000

Cause: Rain fall caused combined sewers to to over flow weir walls and discharge at designated sites per permit.

Dearborn CSO

Submission ID. HP0-QEJX-ZPT9Y
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/23/2020	7:46:00 AM	6/23/2020	10:27:00 AM

Rain(in.) = 0.74
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.13000

Cause: Rain fall caused combined sewers to to over flow weir walls and discharge at designated sites per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-QEJX-ZPT9Y
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/23/2020	7:46:00 AM	6/23/2020	10:27:00 AM

Rain(in.) = 0.74
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.88000

Cause: Rain fall caused combined sewers to to over flow weir walls and discharge at designated sites per permit.

Dearborn CSO

Submission ID. HP0-QEJX-ZPT9Y
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/23/2020	7:46:00 AM	6/23/2020	10:27:00 AM

Rain(in.) = 0.74
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.41000

Cause: Rain fall caused combined sewers to to over flow weir walls and discharge at designated sites per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-QEJX-ZPT9Y
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/23/2020	7:46:00 AM	6/23/2020	10:27:00 AM

Rain(in.) = 0.74
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: Rain fall caused combined sewers to to over flow weir walls and discharge at designated sites per permit.

Dearborn CSO

Submission ID. HP0-QEJX-ZPT9Y
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/23/2020	7:46:00 AM	6/23/2020	10:27:00 AM

Rain(in.) = 0.74
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.97000

Cause: Rain fall caused combined sewers to to over flow weir walls and discharge at designated sites per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-TA01-1TM72
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/26/2020	10:55:00 PM	6/27/2020	7:10:00 PM

Rain(in.) = 2.43
Waterbody: Rouge River

Dilute Raw Sewage (MG)
28.56000

Cause: Rain fall caused combined sewer to overflow weir wall at designated set point per permit.

Dearborn CSO

Submission ID. HP0-TA01-1TM72
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/26/2020	10:55:00 PM	6/27/2020	7:10:00 PM

Rain(in.) = 2.43
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.26000

Cause: Rain fall caused combined sewer to overflow weir wall at designated set point per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-TA01-1TM72
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/26/2020	10:55:00 PM	6/27/2020	7:10:00 PM

Rain(in.) = 2.43
Waterbody: Rouge River

Dilute Raw Sewage (MG)
20.94000

Cause: Rain fall caused combined sewer to overflow weir wall at designated set point per permit.

Dearborn CSO

Submission ID. HP0-TA01-1TM72
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/26/2020	10:55:00 PM	6/27/2020	7:10:00 PM

Rain(in.) = 2.43
Waterbody: Rouge River

Dilute Raw Sewage (MG)
8.35000

Cause: Rain fall caused combined sewer to overflow weir wall at designated set point per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-TA01-1TM72
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/26/2020	10:55:00 PM	6/27/2020	7:10:00 PM

Rain(in.) = 2.43
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.05000

Cause: Rain fall caused combined sewer to overflow weir wall at designated set point per permit.

Dearborn CSO

Submission ID. HP0-TA01-1TM72
Permit MI0025542

Start Day	Start Time	End Day	End Time
6/26/2020	10:55:00 PM	6/27/2020	7:10:00 PM

Rain(in.) = 2.43
Waterbody: Rouge River

Dilute Raw Sewage (MG)
7.19000

Cause: Rain fall caused combined sewer to overflow weir wall at designated set point per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-4Z0D-YQJAS
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/10/2020	12:29:00 PM	7/10/2020	10:50:00 PM

Rain(in.) = 2.02
Waterbody: Rouge River

Dilute Raw Sewage (MG)
16.06000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP1-4Z0D-YQJAS
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/10/2020	12:29:00 PM	7/10/2020	10:50:00 PM

Rain(in.) = 2.02
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.21000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-4Z0D-YQJAS
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/10/2020	12:29:00 PM	7/10/2020	10:50:00 PM

Rain(in.) = 2.02
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.16000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP1-4Z0D-YQJAS
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/10/2020	12:29:00 PM	7/10/2020	10:50:00 PM

Rain(in.) = 2.02
Waterbody: Rouge River

Dilute Raw Sewage (MG)
18.57000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-4Z0D-YQJAS
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/10/2020	12:29:00 PM	7/10/2020	10:50:00 PM

Rain(in.) = 2.02
Waterbody: Rouge River

Dilute Raw Sewage (MG)
5.37000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP1-4Z0D-YQJAS
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/10/2020	12:29:00 PM	7/10/2020	10:50:00 PM

Rain(in.) = 2.02
Waterbody: Rouge River

Dilute Raw Sewage (MG)
6.70000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-9G5V-JVWD9
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/16/2020	5:36:00 AM	7/16/2020	2:06:00 PM

Rain(in.) = 1.09
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.02000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP1-9G5V-JVWD9
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/16/2020	5:36:00 AM	7/16/2020	2:06:00 PM

Rain(in.) = 1.09
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.78000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-9G5V-JVWD9
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/16/2020	5:36:00 AM	7/16/2020	2:06:00 PM

Rain(in.) = 1.09
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.83000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP1-9G5V-JVWD9
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/16/2020	5:36:00 AM	7/16/2020	2:06:00 PM

Rain(in.) = 1.09
Waterbody: Rouge River

Dilute Raw Sewage (MG)
6.80000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-9G5V-JVWD9
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/16/2020	5:36:00 AM	7/16/2020	2:06:00 PM

Rain(in.) = 1.09
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.93000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP1-9G5V-JVWD9
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/16/2020	5:36:00 AM	7/16/2020	2:06:00 PM

Rain(in.) = 1.09
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.19000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-C3MX-99R1V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/19/2020	2:13:00 PM	7/19/2020	5:07:00 PM

Rain(in.) = 1.17
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.48000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP1-C3MX-99R1V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/19/2020	2:13:00 PM	7/19/2020	5:07:00 PM

Rain(in.) = 1.17
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.19000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-C3MX-99R1V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/19/2020	2:13:00 PM	7/19/2020	5:07:00 PM

Rain(in.) = 1.17
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.88000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP1-C3MX-99R1V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/19/2020	2:13:00 PM	7/19/2020	5:07:00 PM

Rain(in.) = 1.17
Waterbody: Rouge River

Dilute Raw Sewage (MG)
4.66000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-C3MX-99R1V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/19/2020	2:13:00 PM	7/19/2020	5:07:00 PM

Rain(in.) = 1.17
Waterbody: Rouge River

Dilute Raw Sewage (MG)
7.50000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP1-C3MX-99R1V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/19/2020	2:13:00 PM	7/19/2020	5:07:00 PM

Rain(in.) = 1.17
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.02000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-KWEE-1V78V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/29/2020	10:01:00 AM	7/29/2020	2:13:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.42000

Cause: Rain fall caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

Dearborn CSO

Submission ID. HP1-KWEE-1V78V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/29/2020	10:01:00 AM	7/29/2020	2:13:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: Rain fall caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-KWEE-1V78V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/29/2020	10:01:00 AM	7/29/2020	2:13:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.45000

Cause: Rain fall caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

Dearborn CSO

Submission ID. HP1-KWEE-1V78V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/29/2020	10:01:00 AM	7/29/2020	2:13:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.27000

Cause: Rain fall caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-KWEE-1V78V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/29/2020	10:01:00 AM	7/29/2020	2:13:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.79000

Cause: Rain fall caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

Dearborn CSO

Submission ID. HP1-KWEE-1V78V
Permit MI0025542

Start Day	Start Time	End Day	End Time
7/29/2020	10:01:00 AM	7/29/2020	2:13:00 PM

Rain(in.) = 0.58
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.41000

Cause: Rain fall caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-PA5V-0XSJG
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/1/2020	2:56:00 PM	8/2/2020	1:19:00 PM

Rain(in.) = 1.82
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.12000

Cause: Rain water caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

Dearborn CSO

Submission ID. HP1-PA5V-0XSJG
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/1/2020	2:56:00 PM	8/2/2020	1:19:00 PM

Rain(in.) = 1.82
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.85000

Cause: Rain water caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-PA5V-0XSJG
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/1/2020	2:56:00 PM	8/2/2020	1:19:00 PM

Rain(in.) = 1.82
Waterbody: Rouge River

Dilute Raw Sewage (MG)
4.55000

Cause: Rain water caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

Dearborn CSO

Submission ID. HP1-PA5V-0XSJG
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/1/2020	2:56:00 PM	8/2/2020	1:19:00 PM

Rain(in.) = 1.82
Waterbody: Rouge River

Dilute Raw Sewage (MG)
5.92000

Cause: Rain water caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-PA5V-0XSJG
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/1/2020	2:56:00 PM	8/2/2020	1:19:00 PM

Rain(in.) = 1.82
Waterbody: Rouge River

Dilute Raw Sewage (MG)
14.47000

Cause: Rain water caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

Dearborn CSO

Submission ID. HP1-PA5V-0XSJG
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/1/2020	2:56:00 PM	8/2/2020	1:19:00 PM

Rain(in.) = 1.82
Waterbody: Rouge River

Dilute Raw Sewage (MG)
13.85000

Cause: Rain water caused combined sewers to over flow weir walls at designated sites and discharge to the Rouge River, per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-1XTF-N0TDK
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/16/2020	6:07:00 AM	8/16/2020	3:04:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.96000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP2-1XTF-N0TDK
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/16/2020	6:07:00 AM	8/16/2020	3:04:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.01000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-1XTF-N0TDK
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/16/2020	6:07:00 AM	8/16/2020	3:04:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.18000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP2-1XTF-N0TDK
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/16/2020	6:07:00 AM	8/16/2020	3:04:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.15000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-1XTF-N0TDK
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/16/2020	6:07:00 AM	8/16/2020	3:04:00 PM

Rain(in.) = 0.46
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.09000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP2-9S5H-JV9S9
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/26/2020	9:49:00 AM	8/26/2020	12:50:00 PM

Rain(in.) = 0.37
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.36000

Cause: rain fall caused combined sewers to overflow weir walls at designated points and discharge into the Rouge River, per city of Dearborn permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-9S5H-JV9S9
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/26/2020	9:49:00 AM	8/26/2020	12:50:00 PM

Rain(in.) = 0.37
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.72000

Cause: rain fall caused combined sewers to overflow weir walls at designated points and discharge into the Rouge River, per city of Dearborn permit.

Dearborn CSO

Submission ID. HP2-9S5H-JV9S9
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/26/2020	9:49:00 AM	8/26/2020	12:50:00 PM

Rain(in.) = 0.37
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.12000

Cause: rain fall caused combined sewers to overflow weir walls at designated points and discharge into the Rouge River, per city of Dearborn permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-B4GC-0SE3A
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/28/2020	2:29:00 AM	8/29/2020	4:36:00 AM

Rain(in.) = 3.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
7.02000

Cause: rain fall caused combined sewers to overflow weir wall at designated sites and discharge to the river, per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP2-B4GC-0SE3A
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/28/2020	2:29:00 AM	8/29/2020	4:36:00 AM

Rain(in.) = 3.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
14.70000

Cause: rain fall caused combined sewers to overflow weir wall at designated sites and discharge to the river, per city of Dearborn Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-B4GC-0SE3A
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/28/2020	2:29:00 AM	8/29/2020	4:36:00 AM

Rain(in.) = 3.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.85000

Cause: rain fall caused combined sewers to overflow weir wall at designated sites and discharge to the river, per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP2-B4GC-0SE3A
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/28/2020	2:29:00 AM	8/29/2020	4:36:00 AM

Rain(in.) = 3.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
21.41000

Cause: rain fall caused combined sewers to overflow weir wall at designated sites and discharge to the river, per city of Dearborn Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-B4GC-0SE3A
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/28/2020	2:29:00 AM	8/29/2020	4:36:00 AM

Rain(in.) = 3.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
41.95000

Cause: rain fall caused combined sewers to overflow weir wall at designated sites and discharge to the river, per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP2-B4GC-0SE3A
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/28/2020	2:29:00 AM	8/29/2020	4:36:00 AM

Rain(in.) = 3.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
80.61000

Cause: rain fall caused combined sewers to overflow weir wall at designated sites and discharge to the river, per city of Dearborn Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-B4GC-0SE3A
Permit MI0025542

Start Day	Start Time	End Day	End Time
8/28/2020	2:29:00 AM	8/29/2020	4:36:00 AM

Rain(in.) = 3.87
Waterbody: Rouge River

Dilute Raw Sewage (MG)
15.08000

Cause: rain fall caused combined sewers to overflow weir wall at designated sites and discharge to the river, per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP2-ETT0-B1908
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/1/2020	7:31:00 PM	9/1/2020	9:33:00 PM

Rain(in.) = 2.12
Waterbody: Rouge River

Dilute Raw Sewage (MG)
17.20000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites, per permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-ETT0-B1908
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/1/2020	7:31:00 PM	9/1/2020	9:33:00 PM

Rain(in.) = 2.12
Waterbody: Rouge River

Dilute Raw Sewage (MG)
7.10000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites, per permit.

Dearborn CSO

Submission ID. HP2-ETT0-B1908
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/1/2020	7:31:00 PM	9/1/2020	9:33:00 PM

Rain(in.) = 2.12
Waterbody: Rouge River

Dilute Raw Sewage (MG)
5.80000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites, per permit.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-ETT0-B1908
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/1/2020	7:31:00 PM	9/1/2020	9:33:00 PM

Rain(in.) = 2.12
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.41000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites, per permit.

Dearborn CSO

Submission ID. HP2-ETT0-B1908
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/1/2020	7:31:00 PM	9/1/2020	9:33:00 PM

Rain(in.) = 2.12
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.18000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites, per permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-ETT0-B1908
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/1/2020	7:31:00 PM	9/1/2020	9:33:00 PM

Rain(in.) = 2.12
Waterbody: Rouge River

Dilute Raw Sewage (MG)
20.81000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites, per permit.

Dearborn CSO

Submission ID. HP2-M12T-MKRSY
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/7/2020	3:01:00 AM	9/7/2020	5:48:00 AM

Rain(in.) = 1.1
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.96000

Cause: Rain water caused combined sewer to overflow weir wall at designated sites per permit and discharge into Rouge River.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-M12T-MKRSY
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/7/2020	3:01:00 AM	9/7/2020	5:48:00 AM

Rain(in.) = 1.1
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.02000

Cause: Rain water caused combined sewer to overflow weir wall at designated sites per permit and discharge into Rouge River.

Dearborn CSO

Submission ID. HP2-M12T-MKRSY
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/7/2020	3:01:00 AM	9/7/2020	5:48:00 AM

Rain(in.) = 1.1
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.79000

Cause: Rain water caused combined sewer to overflow weir wall at designated sites per permit and discharge into Rouge River.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-M12T-MKRSY
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/7/2020	3:01:00 AM	9/7/2020	5:48:00 AM

Rain(in.) = 1.1
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.23000

Cause: Rain water caused combined sewer to overflow weir wall at designated sites per permit and discharge into Rouge River.

Dearborn CSO

Submission ID. HP2-M12T-MKRSY
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/7/2020	3:01:00 AM	9/7/2020	5:48:00 AM

Rain(in.) = 1.1
Waterbody: Rouge River

Dilute Raw Sewage (MG)
6.89000

Cause: Rain water caused combined sewer to overflow weir wall at designated sites per permit and discharge into Rouge River.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-M12T-MKRSY
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/7/2020	3:01:00 AM	9/7/2020	5:48:00 AM

Rain(in.) = 1.1
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.93000

Cause: Rain water caused combined sewer to overflow weir wall at designated sites per permit and discharge into Rouge River.

Dearborn CSO

Submission ID. HP2-KZ59-SC2SR
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/8/2020	7:43:00 AM	9/8/2020	11:03:00 AM

Rain(in.) = 1.54
Waterbody: Rouge River

Dilute Raw Sewage (MG)
10.96000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites and discharge into the Rouge River per city of Dearborn Permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-KZ59-SC2SR
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/8/2020	7:43:00 AM	9/8/2020	11:03:00 AM

Rain(in.) = 1.54
Waterbody: Rouge River

Dilute Raw Sewage (MG)
9.59000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites and discharge into the Rouge River per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP2-KZ59-SC2SR
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/8/2020	7:43:00 AM	9/8/2020	11:03:00 AM

Rain(in.) = 1.54
Waterbody: Rouge River

Dilute Raw Sewage (MG)
4.85000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites and discharge into the Rouge River per city of Dearborn Permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-KZ59-SC2SR
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/8/2020	7:43:00 AM	9/8/2020	11:03:00 AM

Rain(in.) = 1.54
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.47000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites and discharge into the Rouge River per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP2-KZ59-SC2SR
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/8/2020	7:43:00 AM	9/8/2020	11:03:00 AM

Rain(in.) = 1.54
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.39000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites and discharge into the Rouge River per city of Dearborn Permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-KZ59-SC2SR
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/8/2020	7:43:00 AM	9/8/2020	11:03:00 AM

Rain(in.) = 1.54
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.07000

Cause: Rain fall caused combined sewers to overflow weir wall at designated sites and discharge into the Rouge River per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP2-QS1Z-40MV5
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/13/2020	4:54:00 AM	9/13/2020	7:06:00 AM

Rain(in.) = 0.34
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.17000

Cause: Rain fall causes combined sewer to overflow weir wall at designated sites per permit and discharge to Rouge River.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-QS1Z-40MV5
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/13/2020	4:54:00 AM	9/13/2020	7:06:00 AM

Rain(in.) = 0.34
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.62000

Cause: Rain fall causes combined sewer to overflow weir wall at designated sites per permit and discharge to Rouge River.

Dearborn CSO

Submission ID. HP2-QS1Z-40MV5
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/13/2020	4:54:00 AM	9/13/2020	7:06:00 AM

Rain(in.) = 0.34
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.10000

Cause: Rain fall causes combined sewer to overflow weir wall at designated sites per permit and discharge to Rouge River.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-3ZAZ-4GNTJ
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/28/2020	5:24:00 PM	9/28/2020	8:17:00 PM

Rain(in.) = 0.22
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.03000

Cause: Rain fall caused combined sewers to overflow weir wall, per permit, at designated sites.

Dearborn CSO

Submission ID. HP3-3ZAZ-4GNTJ
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/28/2020	5:24:00 PM	9/28/2020	8:17:00 PM

Rain(in.) = 0.22
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.42000

Cause: Rain fall caused combined sewers to overflow weir wall, per permit, at designated sites.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-3ZAZ-4GNTJ
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/28/2020	5:24:00 PM	9/28/2020	8:17:00 PM

Rain(in.) = 0.22
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.23000

Cause: Rain fall caused combined sewers to overflow weir wall, per permit, at designated sites.

Dearborn CSO

Submission ID. HP3-5HKA-D45J9
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/30/2020	5:02:00 PM	9/30/2020	10:18:00 PM

Rain(in.) = 0.37
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.72000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-5HKA-D45J9
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/30/2020	5:02:00 PM	9/30/2020	10:18:00 PM

Rain(in.) = 0.37
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.12000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP3-5HKA-D45J9
Permit MI0025542

Start Day	Start Time	End Day	End Time
9/30/2020	5:02:00 PM	9/30/2020	10:18:00 PM

Rain(in.) = 0.37
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.36000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-8KA8-6BEDC
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/4/2020	12:45:00 PM	10/4/2020	2:12:00 PM

Rain(in.) = 0.18
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.18000

Cause: Rain water caused levels in combined sewers to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP3-8KA8-6BEDC
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/4/2020	12:45:00 PM	10/4/2020	2:12:00 PM

Rain(in.) = 0.18
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.10000

Cause: Rain water caused levels in combined sewers to crest weir walls and spill to river

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-8KA8-6BEDC
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/4/2020	12:45:00 PM	10/4/2020	2:12:00 PM

Rain(in.) = 0.18
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: Rain water caused levels in combined sewers to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP3-FFKG-BZ6TX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/12/2020	9:55:00 PM	10/12/2020	11:19:00 PM

Rain(in.) = 0.27
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.73000

Cause: Rain water cause combined sewer to over flow weir walls at designated sites per city of Dearborn permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-FFKG-BZ6TX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/12/2020	9:55:00 PM	10/12/2020	11:19:00 PM

Rain(in.) = 0.27
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.39000

Cause: Rain water cause combined sewer to over flow weir walls at designated sites per city of Dearborn permit.

Dearborn CSO

Submission ID. HP3-FFKG-BZ6TX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/12/2020	9:55:00 PM	10/12/2020	11:19:00 PM

Rain(in.) = 0.27
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.06000

Cause: Rain water cause combined sewer to over flow weir walls at designated sites per city of Dearborn permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-MHGZ-HKMG0
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/19/2020	7:07:00 PM	10/20/2020	10:28:00 AM

Rain(in.) = 0.4
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.14000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP3-MHGZ-HKMG0
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/19/2020	7:07:00 PM	10/20/2020	10:28:00 AM

Rain(in.) = 0.4
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.81000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-MHGZ-HKMG0
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/19/2020	7:07:00 PM	10/20/2020	10:28:00 AM

Rain(in.) = 0.4
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.56000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP3-NJTJ-96RBX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/21/2020	2:34:00 AM	10/21/2020	7:43:00 AM

Rain(in.) = 0.31
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.98000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-NJTJ-96RBX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/21/2020	2:34:00 AM	10/21/2020	7:43:00 AM

Rain(in.) = 0.31
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.09000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP3-NJTJ-96RBX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/21/2020	2:34:00 AM	10/21/2020	7:43:00 AM

Rain(in.) = 0.31
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.52000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-PFBC-QEAQ5
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/22/2020	3:37:00 AM	10/22/2020	10:58:00 AM

Rain(in.) = 0.52
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.20000

Cause: Rain fall caused combined sewers to overflow weir walls and discharge to Rouge River per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP3-PFBC-QEAQ5
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/22/2020	3:37:00 AM	10/22/2020	10:58:00 AM

Rain(in.) = 0.52
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.13000

Cause: Rain fall caused combined sewers to overflow weir walls and discharge to Rouge River per city of Dearborn Permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-PFBC-QEAQ5
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/22/2020	3:37:00 AM	10/22/2020	10:58:00 AM

Rain(in.) = 0.52
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.20000

Cause: Rain fall caused combined sewers to overflow weir walls and discharge to Rouge River per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP3-PFBC-QEAQ5
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/22/2020	3:37:00 AM	10/22/2020	10:58:00 AM

Rain(in.) = 0.52
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.08000

Cause: Rain fall caused combined sewers to overflow weir walls and discharge to Rouge River per city of Dearborn Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-PFBC-QEAQ5
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/22/2020	3:37:00 AM	10/22/2020	10:58:00 AM

Rain(in.) = 0.52
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.09000

Cause: Rain fall caused combined sewers to overflow weir walls and discharge to Rouge River per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP3-QJQT-R0ZGX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/23/2020	2:58:00 PM	10/23/2020	8:30:00 PM

Rain(in.) = 0.61
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.52000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-QJQT-R0ZGX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/23/2020	2:58:00 PM	10/23/2020	8:30:00 PM

Rain(in.) = 0.61
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.01000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP3-QJQT-R0ZGX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/23/2020	2:58:00 PM	10/23/2020	8:30:00 PM

Rain(in.) = 0.61
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.30000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-QJQT-R0ZGX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/23/2020	2:58:00 PM	10/23/2020	8:30:00 PM

Rain(in.) = 0.61
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.53000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP3-QJQT-R0ZGX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/23/2020	2:58:00 PM	10/23/2020	8:30:00 PM

Rain(in.) = 0.61
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.52000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP3-QJQT-R0ZGX
Permit MI0025542

Start Day	Start Time	End Day	End Time
10/23/2020	2:58:00 PM	10/23/2020	8:30:00 PM

Rain(in.) = 0.61
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP4-5ZQV-XSD8V
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/10/2020	11:30:00 PM	11/11/2020	2:58:00 AM

Rain(in.) = 0.33
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.10000

Cause: Rain fall caused combined sewers to overflow weir walls at designated sites and discharge to Rouge River per city of Dearborn Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-5ZQV-XSD8V
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/10/2020	11:30:00 PM	11/11/2020	2:58:00 AM

Rain(in.) = 0.33
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.58000

Cause: Rain fall caused combined sewers to overflow weir walls at designated sites and discharge to Rouge River per city of Dearborn Permit.

Dearborn CSO

Submission ID. HP4-5ZQV-XSD8V
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/10/2020	11:30:00 PM	11/11/2020	2:58:00 AM

Rain(in.) = 0.33
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.10000

Cause: Rain fall caused combined sewers to overflow weir walls at designated sites and discharge to Rouge River per city of Dearborn Permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-9AJV-RJDYQ
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/15/2020	2:03:00 AM	11/15/2020	1:50:00 PM

Rain(in.) = 0.88
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.29000

Cause: Rain water caused combined sewer levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP4-9AJV-RJDYQ
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/15/2020	2:03:00 AM	11/15/2020	1:50:00 PM

Rain(in.) = 0.88
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: Rain water caused combined sewer levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-9AJV-RJDYQ
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/15/2020	2:03:00 AM	11/15/2020	1:50:00 PM

Rain(in.) = 0.88
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.55000

Cause: Rain water caused combined sewer levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP4-9AJV-RJDYQ
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/15/2020	2:03:00 AM	11/15/2020	1:50:00 PM

Rain(in.) = 0.88
Waterbody: Rouge River

Dilute Raw Sewage (MG)
5.06000

Cause: Rain water caused combined sewer levels to crest weir walls and spill to river.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-9AJV-RJDYQ
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/15/2020	2:03:00 AM	11/15/2020	1:50:00 PM

Rain(in.) = 0.88
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.02000

Cause: Rain water caused combined sewer levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP4-9AJV-RJDYQ
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/15/2020	2:03:00 AM	11/15/2020	1:50:00 PM

Rain(in.) = 0.88
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.45000

Cause: Rain water caused combined sewer levels to crest weir walls and spill to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-EVYK-7QF1E
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/22/2020	6:35:00 AM	11/22/2020	7:49:00 PM

Rain(in.) = 0.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
2.44000

Cause: rain fall/snow melt caused the combined sewers to over flow weir walls, at designated sites per city of Dearborn permit, and discharge to river.

Dearborn CSO

Submission ID. HP4-EVYK-7QF1E
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/22/2020	6:35:00 AM	11/22/2020	7:49:00 PM

Rain(in.) = 0.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: rain fall/snow melt caused the combined sewers to over flow weir walls, at designated sites per city of Dearborn permit, and discharge to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-EVYK-7QF1E
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/22/2020	6:35:00 AM	11/22/2020	7:49:00 PM

Rain(in.) = 0.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.23000

Cause: rain fall/snow melt caused the combined sewers to over flow weir walls, at designated sites per city of Dearborn permit, and discharge to river.

Dearborn CSO

Submission ID. HP4-EVYK-7QF1E
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/22/2020	6:35:00 AM	11/22/2020	7:49:00 PM

Rain(in.) = 0.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.26000

Cause: rain fall/snow melt caused the combined sewers to over flow weir walls, at designated sites per city of Dearborn permit, and discharge to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-EVYK-7QF1E
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/22/2020	6:35:00 AM	11/22/2020	7:49:00 PM

Rain(in.) = 0.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.25000

Cause: rain fall/snow melt caused the combined sewers to over flow weir walls, at designated sites per city of Dearborn permit, and discharge to river.

Dearborn CSO

Submission ID. HP4-EVYK-7QF1E
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/22/2020	6:35:00 AM	11/22/2020	7:49:00 PM

Rain(in.) = 0.53
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.32000

Cause: rain fall/snow melt caused the combined sewers to over flow weir walls, at designated sites per city of Dearborn permit, and discharge to river.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-GTFR-20FBW
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/24/2020	6:04:00 PM	11/26/2020	3:21:00 AM

Rain(in.) = 0.69
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP4-GTFR-20FBW
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/24/2020	6:04:00 PM	11/26/2020	3:21:00 AM

Rain(in.) = 0.69
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.59000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-GTFR-20FBW
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/24/2020	6:04:00 PM	11/26/2020	3:21:00 AM

Rain(in.) = 0.69
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.79000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP4-GTFR-20FBW
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/24/2020	6:04:00 PM	11/26/2020	3:21:00 AM

Rain(in.) = 0.69
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.87000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-GTFR-20FBW
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/24/2020	6:04:00 PM	11/26/2020	3:21:00 AM

Rain(in.) = 0.69
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.75000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

Dearborn CSO

Submission ID. HP4-GTFR-20FBW
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/24/2020	6:04:00 PM	11/26/2020	3:21:00 AM

Rain(in.) = 0.69
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.37000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-N8T0-0GYK0
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/30/2020	8:45:00 AM	12/1/2020	12:01:00 AM

Rain(in.) = 0.37
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.12000

Cause: Rain/snow fall caused the combined sewers to overflow the designated weir walls, per city of Dearborn permit, and discharge to the Rouge River.

Dearborn CSO

Submission ID. HP4-N8T0-0GYK0
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/30/2020	8:45:00 AM	12/1/2020	12:01:00 AM

Rain(in.) = 0.37
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.36000

Cause: Rain/snow fall caused the combined sewers to overflow the designated weir walls, per city of Dearborn permit, and discharge to the Rouge River.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-N8T0-0GYK0
Permit MI0025542

Start Day	Start Time	End Day	End Time
11/30/2020	8:45:00 AM	12/1/2020	12:01:00 AM

Rain(in.) = 0.37
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.72000

Cause: Rain/snow fall caused the combined sewers to overflow the designated weir walls, per city of Dearborn permit, and discharge to the Rouge River.

Dearborn CSO

Submission ID. HP4-YKKD-VDRHF
Permit MI0025542

Start Day	Start Time	End Day	End Time
12/12/2020	7:09:00 AM	12/12/2020	3:28:00 PM

Rain(in.) = 0.66
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.69000

Cause: rain fall cause combined sewers to overflow weir wall at designated sites per city of Dearborn permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-YKKD-VDRHF
Permit MI0025542

Start Day	Start Time	End Day	End Time
12/12/2020	7:09:00 AM	12/12/2020	3:28:00 PM

Rain(in.) = 0.66
Waterbody: Rouge River

Dilute Raw Sewage (MG)
3.37000

Cause: rain fall cause combined sewers to overflow weir wall at designated sites per city of Dearborn permit.

Dearborn CSO

Submission ID. HP4-YKKD-VDRHF
Permit MI0025542

Start Day	Start Time	End Day	End Time
12/12/2020	7:09:00 AM	12/12/2020	3:28:00 PM

Rain(in.) = 0.66
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.73000

Cause: rain fall cause combined sewers to overflow weir wall at designated sites per city of Dearborn permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-YKKD-VDRHF
Permit MI0025542

Start Day	Start Time	End Day	End Time
12/12/2020	7:09:00 AM	12/12/2020	3:28:00 PM

Rain(in.) = 0.66
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.66000

Cause: rain fall cause combined sewers to overflow weir wall at designated sites per city of Dearborn permit.

Dearborn CSO

Submission ID. HP4-YKKD-VDRHF
Permit MI0025542

Start Day	Start Time	End Day	End Time
12/12/2020	7:09:00 AM	12/12/2020	3:28:00 PM

Rain(in.) = 0.66
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.34000

Cause: rain fall cause combined sewers to overflow weir wall at designated sites per city of Dearborn permit.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP4-YKKD-VDRHF
Permit MI0025542

Start Day	Start Time	End Day	End Time
12/12/2020	7:09:00 AM	12/12/2020	3:28:00 PM

Rain(in.) = 0.66
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.01000

Cause: rain fall cause combined sewers to overflow weir wall at designated sites per city of Dearborn permit.

Dearborn CSO

Submission ID. HP5-D14S-ZBBTC
Permit MI0025542

Start Day	Start Time	End Day	End Time
12/30/2020	3:22:00 PM	12/30/2020	4:53:00 PM

Rain(in.) = 0.19
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.24000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP5-D14S-ZBBTC
Permit MI0025542

Start Day	Start Time	End Day	End Time
12/30/2020	3:22:00 PM	12/30/2020	4:53:00 PM

Rain(in.) = 0.19
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.02000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

Dearborn CSO

Submission ID. HP5-D14S-ZBBTC
Permit MI0025542

Start Day	Start Time	End Day	End Time
12/30/2020	3:22:00 PM	12/30/2020	4:53:00 PM

Rain(in.) = 0.19
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.13000

Cause: Rain water in combined sewers caused levels to crest weir walls and spill to river

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Totals **Dearborn CSO**

Dilute Raw Sewage (MG)
746.57000

EGLE Action: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule in the modified permit requiring elimination of all overflow outfalls by December 31, 2025; several outfalls and the associated overflows have already been eliminated.

GLWA WRRF

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	12:40:00 AM	1/11/2020	4:13:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.18000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	6:49:00 AM	1/11/2020	8:57:00 AM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
9.67000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	6:57:00 AM	1/11/2020	1:43:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.88000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	7:08:00 AM	1/11/2020	3:14:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
2.18000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	7:14:00 AM	1/11/2020	4:00:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
21.54000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	7:18:00 AM	1/11/2020	2:34:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **74**

Dilute Raw Sewage (MG)
3.41000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	7:23:00 AM	1/11/2020	5:35:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
6.81000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	7:31:00 AM	1/11/2020	8:04:00 AM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **75**

Dilute Raw Sewage (MG)
0.10000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	7:46:00 AM	1/11/2020	1:35:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
31.16000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	8:20:00 AM	1/11/2020	3:09:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
1.33000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	8:21:00 AM	1/12/2020	1:41:00 AM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
17.05000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	8:25:00 AM	1/11/2020	2:27:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **61**

Dilute Raw Sewage (MG)
22.40000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	8:53:00 AM	1/11/2020	2:08:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **25**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	8:53:00 AM	1/11/2020	12:21:00 PM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **65**

Dilute Raw Sewage (MG)
3.58000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	8:56:00 AM	1/11/2020	10:17:00 AM

Rain(in.) = 2.27
Waterbody: Rouge River

Outfall **69**

Dilute Raw Sewage (MG)
4.58000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	9:47:00 AM	1/11/2020	4:10:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
13.11000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	9:57:00 AM	1/11/2020	1:20:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **18**

Dilute Raw Sewage (MG)
0.03000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:09:00 AM	1/11/2020	2:41:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **11**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:09:00 AM	1/11/2020	2:46:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **29**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:21:00 AM	1/11/2020	2:57:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **23**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:24:00 AM	1/11/2020	3:24:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **12**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:24:00 AM	1/11/2020	1:35:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **26**

Dilute Raw Sewage (MG)
9.17000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:28:00 AM	1/11/2020	2:07:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **24**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:29:00 AM	1/11/2020	3:13:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **30**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:30:00 AM	1/11/2020	12:36:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **21**

Dilute Raw Sewage (MG)
5.42000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:37:00 AM	1/11/2020	2:22:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **31**

Dilute Raw Sewage (MG)
2.29000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:38:00 AM	1/11/2020	11:25:00 AM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
2.30000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:39:00 AM	1/12/2020	2:37:00 AM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **6**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:47:00 AM	1/11/2020	6:03:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **38**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:48:00 AM	1/11/2020	12:37:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **33**

Dilute Raw Sewage (MG)
0.81000

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	11:01:00 AM	1/11/2020	11:59:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **9**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	11:07:00 AM	1/11/2020	1:57:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **36**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	11:36:00 AM	1/11/2020	12:22:00 PM

Rain(in.) = 2.27
Waterbody: Detroit River

Outfall **40**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNX-115Y-WY1QD

Start Day	Start Time	End Day	End Time
1/24/2020	11:35:00 AM	1/24/2020	5:05:00 PM

Rain(in.) = 0.56
Waterbody: River Rouge

Outfall **67**

Dilute Raw Sewage (MG)
1.48000

Cause: Rain

GLWA WRRF

Submission ID. HNY-BN95-PQEEX

Start Day	Start Time	End Day	End Time
3/18/2020	5:21:00 PM	3/18/2020	8:15:00 PM

Rain(in.) = 0.8
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.02000

Cause: Rain

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-BN95-PQEEX

Start Day	Start Time	End Day	End Time
3/18/2020	6:04:00 PM	3/18/2020	7:05:00 PM

Rain(in.) = 0.8
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.27000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	1:38:00 AM	3/29/2020	1:03:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
2.23000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	2:05:00 AM	3/29/2020	12:40:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
1.18000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	2:14:00 AM	3/29/2020	10:01:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
59.06000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	2:28:00 AM	3/28/2020	5:59:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
1.68000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	5:29:00 AM	3/28/2020	12:28:00 PM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
5.09000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	5:30:00 AM	3/29/2020	1:06:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
23.23000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	5:31:00 AM	3/28/2020	6:28:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.02000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	5:38:00 AM	3/28/2020	7:41:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
1.34000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	5:39:00 AM	3/28/2020	8:56:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
30.63000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	5:45:00 AM	3/28/2020	10:38:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **74**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	5:55:00 AM	3/29/2020	1:40:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
38.11000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:02:00 AM	3/28/2020	9:01:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **61**

Dilute Raw Sewage (MG)
19.26000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:08:00 AM	3/28/2020	6:43:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **75**

Dilute Raw Sewage (MG)
0.00000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:10:00 AM	3/28/2020	8:42:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **65**

Dilute Raw Sewage (MG)
3.32000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:11:00 AM	3/28/2020	6:55:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **77**

Dilute Raw Sewage (MG)
0.12000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:13:00 AM	3/28/2020	7:47:00 AM

Rain(in.) = 2.03
Waterbody: Rouge River

Outfall **69**

Dilute Raw Sewage (MG)
6.19000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:20:00 AM	3/28/2020	6:43:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
0.13000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:21:00 AM	3/28/2020	8:17:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **31**

Dilute Raw Sewage (MG)
25.47000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:23:00 AM	3/28/2020	7:04:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **21**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:24:00 AM	3/28/2020	6:31:00 PM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **24**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:25:00 AM	3/28/2020	7:10:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **8**

Dilute Raw Sewage (MG)
2.01000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:30:00 AM	3/29/2020	1:03:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
1.70000

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:31:00 AM	3/28/2020	10:36:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **23**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:38:00 AM	3/28/2020	9:50:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **11**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:40:00 AM	3/28/2020	10:25:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **12**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	6:41:00 AM	3/28/2020	11:03:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **25**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNY-K04J-YBF16

Start Day	Start Time	End Day	End Time
3/28/2020	7:00:00 AM	3/28/2020	11:52:00 AM

Rain(in.) = 2.03
Waterbody: Detroit River

Outfall **38**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-V2PR-6S850

Start Day	Start Time	End Day	End Time
4/7/2020	10:44:00 AM	4/7/2020	10:37:00 PM

Rain(in.) = 0.75
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
1.55000

Cause: Rain

GLWA WRRF

Submission ID. HNY-V2PR-6S850

Start Day	Start Time	End Day	End Time
4/8/2020	12:31:00 AM	4/8/2020	12:41:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
0.67000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-NEHZ-61JRB

Start Day	Start Time	End Day	End Time
5/10/2020	9:52:00 PM	5/10/2020	11:07:00 PM

Rain(in.) = 0.38
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.43000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-NEHZ-61JRB

Start Day	Start Time	End Day	End Time
5/10/2020	10:07:00 PM	5/10/2020	10:56:00 PM

Rain(in.) = 0.38
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.22000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	10:24:00 AM	5/15/2020	5:19:00 AM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.04000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	10:34:00 AM	5/15/2020	6:20:00 AM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
1.64000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	10:44:00 AM	5/15/2020	6:59:00 AM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
1.50000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	10:49:00 AM	5/15/2020	6:12:00 AM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
22.29000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	10:59:00 AM	5/15/2020	5:59:00 AM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
1.42000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	11:13:00 AM	5/14/2020	12:08:00 PM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **77**

Dilute Raw Sewage (MG)
0.61000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	11:16:00 AM	5/14/2020	12:28:00 PM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **74**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	11:16:00 AM	5/14/2020	12:28:00 PM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **75**

Dilute Raw Sewage (MG)
0.12000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	11:24:00 AM	5/14/2020	1:56:00 PM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
2.18000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	12:07:00 PM	5/14/2020	1:08:00 PM

Rain(in.) = 0.91
Waterbody: Rouge River

Outfall **61**

Dilute Raw Sewage (MG)
2.74000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	5:25:00 AM	5/19/2020	2:40:00 AM

Rain(in.) = 1.88
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.66000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	7:47:00 AM	5/18/2020	5:54:00 PM

Rain(in.) = 1.88
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.10000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	8:00:00 AM	5/19/2020	2:01:00 AM

Rain(in.) = 1.88
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
3.99000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	8:17:00 AM	5/19/2020	12:19:00 AM

Rain(in.) = 1.88
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
47.82000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	7:57:00 PM	5/19/2020	12:24:00 AM

Rain(in.) = 1.88
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
1.57000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	11:00:00 PM	5/19/2020	12:54:00 AM

Rain(in.) = 1.88
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
11.67000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	11:26:00 PM	5/19/2020	5:52:00 AM

Rain(in.) = 1.88
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
0.11000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	11:44:00 PM	5/19/2020	1:07:00 AM

Rain(in.) = 1.88
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
2.92000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-DM20-SAVEB

Start Day	Start Time	End Day	End Time
6/10/2020	5:38:00 PM	6/10/2020	6:21:00 PM

Rain(in.) = 0.19
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
1.45000

Cause: Rain

GLWA WRRF

Submission ID. HP0-DM20-SAVEB

Start Day	Start Time	End Day	End Time
6/10/2020	5:38:00 PM	6/10/2020	6:50:00 PM

Rain(in.) = 0.19
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
7.68000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-DM20-SAVEB

Start Day	Start Time	End Day	End Time
6/10/2020	5:42:00 PM	6/10/2020	6:57:00 PM

Rain(in.) = 0.19
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
0.03000

Cause: Rain

GLWA WRRF

Submission ID. HP0-DM20-SAVEB

Start Day	Start Time	End Day	End Time
6/10/2020	5:50:00 PM	6/10/2020	7:24:00 PM

Rain(in.) = 0.19
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.08000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-DM20-SAVEB

Start Day	Start Time	End Day	End Time
6/10/2020	5:51:00 PM	6/10/2020	5:56:00 PM

Rain(in.) = 0.19
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP0-DM20-SAVEB

Start Day	Start Time	End Day	End Time
6/10/2020	6:06:00 PM	6/10/2020	6:26:00 PM

Rain(in.) = 0.19
Waterbody: Detroit River

Outfall **8**

Dilute Raw Sewage (MG)
0.70000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-DM20-SAVEB

Start Day	Start Time	End Day	End Time
6/10/2020	6:08:00 PM	6/10/2020	6:17:00 PM

Rain(in.) = 0.19
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.04000

Cause: Rain

GLWA WRRF

Submission ID. HP0-DM20-SAVEB

Start Day	Start Time	End Day	End Time
6/10/2020	7:03:00 PM	6/10/2020	9:23:00 PM

Rain(in.) = 0.19
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
0.37000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	7:32:00 AM	6/23/2020	9:51:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
17.10000

Cause: Rain

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	7:37:00 AM	6/23/2020	9:50:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
0.13000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	7:41:00 AM	6/23/2020	9:46:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **8**

Dilute Raw Sewage (MG)
5.39000

Cause: Rain

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	7:46:00 AM	6/23/2020	9:39:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
4.23000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	7:49:00 AM	6/23/2020	9:29:00 AM

Rain(in.) = 0.75
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.14000

Cause: Rain

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	7:51:00 AM	6/23/2020	9:02:00 AM

Rain(in.) = 0.75
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.28000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	7:53:00 AM	6/23/2020	9:04:00 AM

Rain(in.) = 0.75
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
1.59000

Cause: Rain

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:10:00 AM	6/23/2020	9:15:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:17:00 AM	6/23/2020	9:39:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **23**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:21:00 AM	6/23/2020	9:12:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **31**

Dilute Raw Sewage (MG)
4.03000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:35:00 AM	6/23/2020	9:59:00 AM

Rain(in.) = 0.75
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
0.75000

Cause: Rain

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:39:00 AM	6/23/2020	9:26:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **11**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:39:00 AM	6/23/2020	9:26:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **12**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:52:00 AM	6/23/2020	8:57:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **9**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:59:00 AM	6/23/2020	9:12:00 AM

Rain(in.) = 0.75
Waterbody: Detroit River

Outfall **25**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	9:44:00 PM	6/26/2020	11:39:00 PM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.03000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	9:57:00 PM	6/27/2020	2:57:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
1.41000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:05:00 PM	6/27/2020	2:59:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.10000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:11:00 PM	6/27/2020	2:48:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
3.50000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:15:00 PM	6/26/2020	11:29:00 PM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
0.74000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:21:00 PM	6/27/2020	1:58:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
9.65000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:26:00 PM	6/27/2020	2:57:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
3.14000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:28:00 PM	6/27/2020	7:06:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
64.58000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:29:00 PM	6/26/2020	11:59:00 PM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
21.32000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:32:00 PM	6/27/2020	1:59:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **8**

Dilute Raw Sewage (MG)
11.70000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:35:00 PM	6/27/2020	2:13:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
18.09000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:36:00 PM	6/27/2020	6:40:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
8.88000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:37:00 PM	6/27/2020	5:05:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
18.73000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:40:00 PM	6/27/2020	2:25:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **61**

Dilute Raw Sewage (MG)
38.35000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:41:00 PM	6/27/2020	12:01:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **77**

Dilute Raw Sewage (MG)
1.99000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:48:00 PM	6/27/2020	12:16:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **21**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:48:00 PM	6/27/2020	3:44:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **22**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:51:00 PM	6/27/2020	3:44:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **23**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:53:00 PM	6/27/2020	1:59:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **65**

Dilute Raw Sewage (MG)
7.28000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:55:00 PM	6/27/2020	4:47:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **11**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:55:00 PM	6/27/2020	4:44:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **12**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:57:00 PM	6/27/2020	3:53:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **26**

Dilute Raw Sewage (MG)
2.35000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	10:57:00 PM	6/27/2020	3:19:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **31**

Dilute Raw Sewage (MG)
25.38000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:02:00 PM	6/26/2020	11:42:00 PM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **20**

Dilute Raw Sewage (MG)
0.24000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:02:00 PM	6/27/2020	2:35:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **6**

Dilute Raw Sewage (MG)
2.89000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:04:00 PM	6/27/2020	3:53:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **74**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:04:00 PM	6/27/2020	3:53:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **75**

Dilute Raw Sewage (MG)
0.06000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:05:00 PM	6/27/2020	4:39:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **25**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:07:00 PM	6/27/2020	4:47:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **9**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:11:00 PM	6/27/2020	1:53:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

Outfall **69**

Dilute Raw Sewage (MG)
16.79000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:18:00 PM	6/27/2020	4:14:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **38**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:52:00 PM	6/27/2020	12:15:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **37**

Dilute Raw Sewage (MG)
0.22000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:53:00 PM	6/27/2020	12:36:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **43**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/27/2020	12:12:00 AM	6/27/2020	2:16:00 AM

Rain(in.) = 1.28
Waterbody: Detroit River

Outfall **27**

Dilute Raw Sewage (MG)
0.39000

Cause: Rain

GLWA WRRF

Submission ID. HP1-3G35-WWKDF

Start Day	Start Time	End Day	End Time
7/8/2020	3:12:00 PM	7/8/2020	4:33:00 PM

Rain(in.) = 0.32
Waterbody: Detroit River

Outfall **38**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	12:00:00 PM	7/10/2020	12:16:00 PM

Rain(in.) = 2.05
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.05000

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	12:06:00 PM	7/10/2020	9:13:00 PM

Rain(in.) = 2.05
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.18000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	12:15:00 PM	7/10/2020	12:53:00 PM

Rain(in.) = 2.05
Waterbody: Rouge River

Outfall **61**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	12:15:00 PM	7/10/2020	12:53:00 PM

Rain(in.) = 2.05
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
0.42000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	12:31:00 PM	7/11/2020	12:33:00 AM

Rain(in.) = 2.05
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
64.23000

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	12:41:00 PM	7/10/2020	9:58:00 PM

Rain(in.) = 2.05
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
7.41000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	12:51:00 PM	7/10/2020	10:09:00 PM

Rain(in.) = 2.05
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
2.92000

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	8:48:00 PM	7/10/2020	9:05:00 PM

Rain(in.) = 2.05
Waterbody: Rouge River

Outfall **77**

Dilute Raw Sewage (MG)
0.36000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-9HDK-EJZVZ

Start Day	Start Time	End Day	End Time
7/10/2020	10:13:00 PM	7/11/2020	12:40:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **23**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:18:00 PM	7/11/2020	1:04:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **25**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:23:00 PM	7/11/2020	12:56:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **38**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:23:00 PM	7/11/2020	2:10:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
10.38000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-9HDK-EJZVZ

Start Day	Start Time	End Day	End Time
7/10/2020	10:31:00 PM	7/10/2020	11:58:00 PM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **31**

Dilute Raw Sewage (MG)
4.19000

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:40:00 PM	7/11/2020	12:16:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **8**

Dilute Raw Sewage (MG)
4.03000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:41:00 PM	7/11/2020	2:24:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
0.25000

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:42:00 PM	7/11/2020	12:07:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
0.34000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:51:00 PM	7/11/2020	2:36:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **11**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:51:00 PM	7/11/2020	2:36:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **9**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:52:00 PM	7/10/2020	11:34:00 PM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **40**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-9HDK-EJZVZ

Start Day	Start Time	End Day	End Time
7/10/2020	11:24:00 PM	7/11/2020	12:40:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **12**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	11:57:00 PM	7/10/2020	8:50:00 PM

Rain(in.) = 2.05
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.34000

Cause: Rain

GLWA WRRF

Submission ID. HP1-9HDK-EJZVZ

Start Day	Start Time	End Day	End Time
7/11/2020	12:11:00 AM	7/11/2020	1:25:00 AM

Rain(in.) = 2.05
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
2.78000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-9K5N-EK9V5

Start Day	Start Time	End Day	End Time
7/16/2020	6:18:00 AM	7/16/2020	8:24:00 AM

Rain(in.) = 1.13
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.13000

Cause: Rain

GLWA WRRF

Submission ID. HP1-9K5N-EK9V5

Start Day	Start Time	End Day	End Time
7/16/2020	6:34:00 AM	7/16/2020	12:50:00 PM

Rain(in.) = 1.13
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
1.78000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-9K5N-EK9V5

Start Day	Start Time	End Day	End Time
7/16/2020	6:48:00 AM	7/16/2020	8:06:00 AM

Rain(in.) = 1.13
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.24000

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	11:40:00 AM	7/19/2020	1:53:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.07000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	11:49:00 AM	7/19/2020	2:25:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.39000

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	11:53:00 AM	7/19/2020	2:28:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.30000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:36:00 PM	7/19/2020	2:32:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **74**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:36:00 PM	7/19/2020	2:32:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **75**

Dilute Raw Sewage (MG)
0.09000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:38:00 PM	7/19/2020	5:26:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **61**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:38:00 PM	7/19/2020	2:28:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
0.60000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:39:00 PM	7/19/2020	2:34:00 PM

Rain(in.) = 1.02
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
2.36000

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:40:00 PM	7/19/2020	1:51:00 PM

Rain(in.) = 1.02
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
0.04000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:41:00 PM	7/19/2020	3:26:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
3.68000

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:43:00 PM	7/19/2020	3:19:00 PM

Rain(in.) = 1.02
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
3.53000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:47:00 PM	7/19/2020	3:26:00 PM

Rain(in.) = 1.02
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
0.42000

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:50:00 PM	7/19/2020	5:26:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
52.85000

Cause: Rain

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:50:00 PM	7/19/2020	2:37:00 PM

Rain(in.) = 1.02
Waterbody: Detroit River

Outfall **8**

Dilute Raw Sewage (MG)
1.65000

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:52:00 PM	7/19/2020	1:57:00 PM

Rain(in.) = 1.02
Waterbody: Detroit River

Outfall **31**

Dilute Raw Sewage (MG)
0.27000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	1:56:00 PM	7/19/2020	2:15:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **65**

Dilute Raw Sewage (MG)
0.43000

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	2:15:00 PM	7/19/2020	2:44:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **69**

Dilute Raw Sewage (MG)
2.40000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	11:47:00 PM	7/19/2020	2:43:00 PM

Rain(in.) = 1.02
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
10.14000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	4:57:00 AM	8/2/2020	5:06:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.01000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	4:59:00 AM	8/2/2020	10:41:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.20000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:04:00 AM	8/2/2020	11:36:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
15.71000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:09:00 AM	8/2/2020	6:39:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
2.01000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:12:00 AM	8/2/2020	6:22:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
0.88000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:15:00 AM	8/2/2020	10:30:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.10000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:16:00 AM	8/2/2020	5:59:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **74**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:16:00 AM	8/2/2020	5:59:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **75**

Dilute Raw Sewage (MG)
0.02000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:17:00 AM	8/2/2020	6:02:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **77**

Dilute Raw Sewage (MG)
1.18000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:23:00 AM	8/2/2020	6:13:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
0.58000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:23:00 AM	8/2/2020	7:27:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
8.85000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:28:00 AM	8/2/2020	8:19:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
6.90000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:29:00 AM	8/2/2020	9:05:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
10.21000

Cause: Rain

MG = million gallons
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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:32:00 AM	8/2/2020	7:33:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **8**

Dilute Raw Sewage (MG)
5.39000

Cause: Rain

GLWA WRRF

Submission ID. HP1-XAZ7-JSQQZ

Start Day	Start Time	End Day	End Time
8/2/2020	5:35:00 AM	8/2/2020	7:52:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **22**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:35:00 AM	8/2/2020	7:52:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **23**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:35:00 AM	8/2/2020	7:30:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **61**

Dilute Raw Sewage (MG)
11.09000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:39:00 AM	8/2/2020	8:26:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
42.96000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:46:00 AM	8/2/2020	6:50:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **69**

Dilute Raw Sewage (MG)
4.92000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:48:00 AM	8/2/2020	6:52:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **25**

Dilute Raw Sewage (MG)
31.53000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:48:00 AM	8/2/2020	8:36:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
0.52000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:49:00 AM	8/2/2020	6:34:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **26**

Dilute Raw Sewage (MG)
2.52000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:53:00 AM	8/2/2020	6:18:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **20**

Dilute Raw Sewage (MG)
0.11000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:53:00 AM	8/2/2020	6:28:00 AM

Rain(in.) = 1.7
Waterbody: Rouge River

Outfall **65**

Dilute Raw Sewage (MG)
0.79000

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:58:00 AM	8/2/2020	8:34:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **11**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:58:00 AM	8/2/2020	7:55:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **12**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	5:59:00 AM	8/2/2020	6:04:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **21**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	6:08:00 AM	8/2/2020	8:34:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **9**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	6:09:00 AM	8/2/2020	6:14:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **27**

Dilute Raw Sewage (MG)
0.09000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	6:12:00 AM	8/2/2020	7:55:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **38**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	6:20:00 AM	8/2/2020	7:09:00 AM

Rain(in.) = 1.7
Waterbody: Detroit River

Outfall **6**

Dilute Raw Sewage (MG)
10.10000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	1:39:00 AM	8/16/2020	7:52:00 AM

Rain(in.) = 0.85
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.02000

Cause: Rain

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	5:26:00 AM	8/16/2020	8:27:00 AM

Rain(in.) = 0.85
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
1.49000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	6:13:00 AM	8/16/2020	8:13:00 AM

Rain(in.) = 0.85
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
0.45000

Cause: Rain

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	7:27:00 AM	8/16/2020	7:42:00 AM

Rain(in.) = 0.85
Waterbody: Rouge River

Outfall **74**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	7:27:00 AM	8/16/2020	7:42:00 AM

Rain(in.) = 0.85
Waterbody: Rouge River

Outfall **75**

Dilute Raw Sewage (MG)
0.03000

Cause: Rain

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	7:39:00 AM	8/16/2020	8:25:00 AM

Rain(in.) = 0.85
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.21000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	7:44:00 AM	8/16/2020	8:30:00 AM

Rain(in.) = 0.85
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.09000

Cause: Rain

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	7:51:00 AM	8/16/2020	8:31:00 AM

Rain(in.) = 0.85
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
0.39000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	7:56:00 AM	8/16/2020	11:40:00 AM

Rain(in.) = 0.85
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
1.86000

Cause: Rain

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	8:05:00 AM	8/16/2020	9:35:00 AM

Rain(in.) = 0.85
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
3.51000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	8:10:00 AM	8/16/2020	9:43:00 AM

Rain(in.) = 0.85
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
0.60000

Cause: Rain

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	8:49:00 AM	8/16/2020	12:16:00 AM

Rain(in.) = 0.85
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
13.50000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-9VS7-39FZK

Start Day	Start Time	End Day	End Time
8/26/2020	5:09:00 AM	8/26/2020	11:31:00 AM

Rain(in.) = 0.03
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.06000

Cause: Rain

GLWA WRRF

Submission ID. HP2-9VS7-39FZK

Start Day	Start Time	End Day	End Time
8/26/2020	5:27:00 AM	8/26/2020	11:13:00 AM

Rain(in.) = 0.03
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
2.05000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-9VS7-39FZK

Start Day	Start Time	End Day	End Time
8/26/2020	9:50:00 AM	8/26/2020	11:37:00 AM

Rain(in.) = 0.03
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.00000

Cause: Rain

GLWA WRRF

Submission ID. HP2-9VS7-39FZK

Start Day	Start Time	End Day	End Time
8/26/2020	9:57:00 AM	8/26/2020	1:37:00 PM

Rain(in.) = 0.03
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
0.52000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-9VS7-39FZK

Start Day	Start Time	End Day	End Time
8/26/2020	10:03:00 AM	8/26/2020	10:45:00 AM

Rain(in.) = 0.03
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
0.46000

Cause: Rain

GLWA WRRF

Submission ID. HP2-9VS7-39FZK

Start Day	Start Time	End Day	End Time
8/26/2020	10:37:00 AM	8/26/2020	11:43:00 AM

Rain(in.) = 0.03
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
1.30000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-9VS7-39FZK

Start Day	Start Time	End Day	End Time
8/26/2020	10:52:00 AM	8/26/2020	1:46:00 PM

Rain(in.) = 0.03
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
16.26000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	12:21:00 AM	8/29/2020	1:10:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.61000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	12:53:00 AM	8/29/2020	4:52:00 AM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
31.28000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	2:11:00 AM	8/28/2020	4:36:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
2.14000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	2:29:00 AM	8/28/2020	6:54:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
19.32000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	2:36:00 AM	8/28/2020	6:02:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **77**

Dilute Raw Sewage (MG)
1.29000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	2:38:00 AM	8/28/2020	5:37:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **74**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	2:38:00 AM	8/28/2020	5:37:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **75**

Dilute Raw Sewage (MG)
0.14000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	3:36:00 AM	8/29/2020	1:29:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.75000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	3:36:00 AM	8/29/2020	12:56:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.47000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	3:42:00 AM	8/28/2020	12:28:00 PM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
3.61000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	3:55:00 AM	8/28/2020	12:03:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
3.10000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	3:56:00 AM	8/28/2020	7:49:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
21.88000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	3:57:00 AM	8/28/2020	12:53:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **31**

Dilute Raw Sewage (MG)
27.03000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:01:00 AM	8/29/2020	2:17:00 AM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
32.73000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:03:00 AM	8/28/2020	5:51:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
28.36000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:12:00 AM	8/28/2020	2:05:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **24**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:12:00 AM	8/28/2020	2:05:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **25**

Dilute Raw Sewage (MG)
170.75000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:13:00 AM	8/28/2020	6:29:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **61**

Dilute Raw Sewage (MG)
19.12000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:16:00 AM	8/28/2020	1:17:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **23**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:16:00 AM	8/28/2020	10:28:00 AM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **27**

Dilute Raw Sewage (MG)
3.01000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:24:00 AM	8/28/2020	6:09:00 AM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **8**

Dilute Raw Sewage (MG)
0.90000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:26:00 AM	8/28/2020	4:52:00 AM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **20**

Dilute Raw Sewage (MG)
0.33000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:29:00 AM	8/28/2020	1:10:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **11**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:29:00 AM	8/28/2020	1:10:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **12**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:29:00 AM	8/28/2020	4:38:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
1.42000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:29:00 AM	8/28/2020	6:49:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **65**

Dilute Raw Sewage (MG)
9.78000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:37:00 AM	8/28/2020	10:49:00 AM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **9**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:42:00 AM	8/28/2020	9:10:00 AM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **69**

Dilute Raw Sewage (MG)
20.51000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:44:00 AM	8/28/2020	1:42:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **38**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	5:00:00 AM	8/28/2020	3:17:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **22**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	5:05:00 AM	8/28/2020	8:12:00 AM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **40**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	6:10:00 AM	8/28/2020	2:52:00 PM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **6**

Dilute Raw Sewage (MG)
75.87000

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	6:33:00 AM	8/28/2020	6:53:00 AM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **43**

Dilute Raw Sewage (MG)
1.78000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	10:21:00 AM	8/28/2020	11:41:00 AM

Rain(in.) = 3.28
Waterbody: Detroit River

Outfall **21**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	12:27:00 PM	8/28/2020	12:32:00 PM

Rain(in.) = 3.28
Waterbody: Rouge River

Outfall **66**

Dilute Raw Sewage (MG)
0.00000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	7:19:00 PM	9/1/2020	9:05:00 PM

Rain(in.) = 0.95
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
2.29000

Cause: Rain

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	7:20:00 PM	9/1/2020	7:30:00 PM

Rain(in.) = 0.95
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.00000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	7:27:00 PM	9/1/2020	8:40:00 PM

Rain(in.) = 0.95
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.13000

Cause: Rain

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	7:30:00 PM	9/1/2020	8:09:00 PM

Rain(in.) = 0.95
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.18000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	7:37:00 PM	9/1/2020	8:11:00 PM

Rain(in.) = 0.95
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
0.37000

Cause: Rain

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	7:40:00 PM	9/1/2020	11:25:00 PM

Rain(in.) = 0.95
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
1.92000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	7:41:00 PM	9/1/2020	11:31:00 PM

Rain(in.) = 0.95
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
37.73000

Cause: Rain

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	8:03:00 PM	9/1/2020	9:54:00 PM

Rain(in.) = 0.95
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
2.67000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	8:36:00 PM	9/1/2020	8:51:00 PM

Rain(in.) = 0.95
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
0.26000

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:10:00 AM	9/8/2020	8:47:00 AM

Rain(in.) = 2.52
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
4.11000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:13:00 AM	9/8/2020	9:34:00 AM

Rain(in.) = 2.52
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.34000

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:13:00 AM	9/8/2020	9:23:00 AM

Rain(in.) = 2.52
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.94000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:23:00 AM	9/8/2020	11:25:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
17.79000

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:26:00 AM	9/8/2020	8:27:00 AM

Rain(in.) = 2.52
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
6.51000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:29:00 AM	9/8/2020	9:15:00 AM

Rain(in.) = 2.52
Waterbody: Rouge River

Outfall **74**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:31:00 AM	9/8/2020	10:41:00 AM

Rain(in.) = 2.52
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
3.45000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:37:00 AM	9/8/2020	9:13:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
0.77000

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:37:00 AM	9/8/2020	11:15:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **5**

Dilute Raw Sewage (MG)
0.97000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:38:00 AM	9/8/2020	12:44:00 PM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
26.91000

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:43:00 AM	9/8/2020	10:05:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **31**

Dilute Raw Sewage (MG)
16.15000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:57:00 AM	9/7/2020	3:02:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **21**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	2:57:00 AM	9/8/2020	10:46:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **22**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:00:00 AM	9/8/2020	10:46:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **23**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:01:00 AM	9/8/2020	9:12:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **11**

Dilute Raw Sewage (MG)
0.61000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:06:00 AM	9/8/2020	10:48:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **12**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:14:00 AM	9/8/2020	8:36:00 AM

Rain(in.) = 2.52
Waterbody: Rouge River

Outfall **62**

Dilute Raw Sewage (MG)
0.66000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:17:00 AM	9/8/2020	9:40:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **9**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:19:00 AM	9/8/2020	9:51:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **25**

Dilute Raw Sewage (MG)
44.06000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:31:00 AM	9/8/2020	12:18:00 PM

Rain(in.) = 2.52
Waterbody: Rouge River

Outfall **60**

Dilute Raw Sewage (MG)
77.47000

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:54:00 AM	9/8/2020	11:25:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **38**

Dilute Raw Sewage (MG)
0.00100

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	4:06:00 AM	9/8/2020	10:59:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **6**

Dilute Raw Sewage (MG)
45.82000

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/8/2020	8:45:00 AM	9/8/2020	9:05:00 AM

Rain(in.) = 2.52
Waterbody: Detroit River

Outfall **27**

Dilute Raw Sewage (MG)
0.52000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-QVW4-TJ34M

Start Day	Start Time	End Day	End Time
9/13/2020	4:03:00 AM	9/13/2020	4:53:00 AM

Rain(in.) = 0.23
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.22000

Cause: Rain

GLWA WRRF

Submission ID. HP2-QVW4-TJ34M

Start Day	Start Time	End Day	End Time
9/13/2020	4:07:00 AM	9/13/2020	4:42:00 AM

Rain(in.) = 0.23
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.15000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-QVW4-TJ34M

Start Day	Start Time	End Day	End Time
9/13/2020	4:53:00 AM	9/13/2020	5:48:00 AM

Rain(in.) = 0.23
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
0.00000

Cause: Rain

GLWA WRRF

Submission ID. HP3-67WY-T0EZ4

Start Day	Start Time	End Day	End Time
9/30/2020	4:25:00 PM	9/30/2020	4:36:00 AM

Rain(in.) = 0.1
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.05000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP3-67WY-T0EZ4

Start Day	Start Time	End Day	End Time
9/30/2020	6:47:00 PM	9/30/2020	6:52:00 PM

Rain(in.) = 0.1
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
0.11000

Cause: Rain

GLWA WRRF

Submission ID. HP3-67WY-T0EZ4

Start Day	Start Time	End Day	End Time
9/30/2020	7:03:00 PM	9/30/2020	7:58:00 PM

Rain(in.) = 0.1
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
0.62000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP3-FEJ9-01E97

Start Day	Start Time	End Day	End Time
10/12/2020	9:09:00 PM	10/13/2020	12:00:00 AM

Rain(in.) = 0.2
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
1.51000

Cause: Rain

GLWA WRRF

Submission ID. HP3-FEJ9-01E97

Start Day	Start Time	End Day	End Time
10/12/2020	9:14:00 PM	10/12/2020	9:39:00 PM

Rain(in.) = 0.2
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.01000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP3-FEJ9-01E97

Start Day	Start Time	End Day	End Time
10/12/2020	9:23:00 PM	10/12/2020	9:39:00 PM

Rain(in.) = 0.2
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.06000

Cause: Rain

GLWA WRRF

Submission ID. HP3-FEJ9-01E97

Start Day	Start Time	End Day	End Time
10/12/2020	9:30:00 PM	10/12/2020	9:52:00 PM

Rain(in.) = 0.2
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
0.49000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP3-FEJ9-01E97

Start Day	Start Time	End Day	End Time
10/12/2020	9:42:00 PM	10/12/2020	10:50:00 PM

Rain(in.) = 0.2
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
0.12000

Cause: Rain

GLWA WRRF

Submission ID. HP3-NQER-3ARM8

Start Day	Start Time	End Day	End Time
10/21/2020	1:53:00 AM	10/22/2020	5:38:00 AM

Rain(in.) = 1.52
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.01000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP3-NQER-3ARM8

Start Day	Start Time	End Day	End Time
10/21/2020	2:05:00 AM	10/23/2020	4:21:00 PM

Rain(in.) = 1.52
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
2.40000

Cause: Rain

GLWA WRRF

Submission ID. HP3-NQER-3ARM8

Start Day	Start Time	End Day	End Time
10/21/2020	2:13:00 AM	10/23/2020	7:03:00 PM

Rain(in.) = 1.52
Waterbody: Detroit River

Outfall **16**

Dilute Raw Sewage (MG)
3.49000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP3-NQER-3ARM8

Start Day	Start Time	End Day	End Time
10/21/2020	2:18:00 AM	10/22/2020	6:14:00 AM

Rain(in.) = 1.52
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
1.05000

Cause: Rain

GLWA WRRF

Submission ID. HP3-NQER-3ARM8

Start Day	Start Time	End Day	End Time
10/23/2020	3:52:00 PM	10/23/2020	4:26:00 PM

Rain(in.) = 1.52
Waterbody: Detroit River

Outfall **19**

Dilute Raw Sewage (MG)
1.38000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP3-NQER-3ARM8

Start Day	Start Time	End Day	End Time
10/23/2020	3:55:00 PM	10/23/2020	4:55:00 PM

Rain(in.) = 1.52
Waterbody: Detroit River

Outfall **7**

Dilute Raw Sewage (MG)
1.51000

Cause: Rain

GLWA WRRF

Submission ID. HP4-6ZZX-R71HJ

Start Day	Start Time	End Day	End Time
11/10/2020	11:30:00 PM	11/11/2020	12:10:00 AM

Rain(in.) = 0.24
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.01000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP4-6ZZX-R71HJ

Start Day	Start Time	End Day	End Time
11/10/2020	11:32:00 PM	11/10/2020	11:57:00 PM

Rain(in.) = 0.24
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.11000

Cause: Rain

GLWA WRRF

Submission ID. HP4-6ZZX-R71HJ

Start Day	Start Time	End Day	End Time
11/10/2020	11:39:00 PM	11/11/2020	12:04:00 AM

Rain(in.) = 0.24
Waterbody: Rouge River

Outfall **79**

Dilute Raw Sewage (MG)
0.20000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP4-6ZZX-R71HJ

Start Day	Start Time	End Day	End Time
11/10/2020	11:41:00 PM	11/11/2020	12:10:00 AM

Rain(in.) = 0.24
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
0.65000

Cause: Rain

GLWA WRRF

Submission ID. HP4-6ZZX-R71HJ

Start Day	Start Time	End Day	End Time
11/10/2020	11:50:00 PM	11/11/2020	1:28:00 AM

Rain(in.) = 0.24
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
0.10000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP4-9APF-WSGZV

Start Day	Start Time	End Day	End Time
11/15/2020	4:51:00 AM	11/15/2020	1:03:00 PM

Rain(in.) = 0.52
Waterbody: Rouge River

Outfall **63**

Dilute Raw Sewage (MG)
0.02000

Cause: Rain

GLWA WRRF

Submission ID. HP4-9APF-WSGZV

Start Day	Start Time	End Day	End Time
11/15/2020	4:53:00 AM	11/15/2020	1:31:00 PM

Rain(in.) = 0.52
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
1.33000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP4-9APF-WSGZV

Start Day	Start Time	End Day	End Time
11/15/2020	4:57:00 AM	11/15/2020	1:17:00 PM

Rain(in.) = 0.52
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
2.83000

Cause: Rain

GLWA WRRF

Submission ID. HP4-9APF-WSGZV

Start Day	Start Time	End Day	End Time
11/15/2020	4:59:00 AM	11/15/2020	6:29:00 AM

Rain(in.) = 0.52
Waterbody: Rouge River

Outfall **67**

Dilute Raw Sewage (MG)
0.30000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP4-9APF-WSGZV

Start Day	Start Time	End Day	End Time
11/15/2020	1:28:00 PM	11/15/2020	1:53:00 PM

Rain(in.) = 0.52
Waterbody: Rouge River

Outfall **68**

Dilute Raw Sewage (MG)
0.02000

Cause: Rain

GLWA WRRF

Submission ID. HP4-HPYN-SQ0V2

Start Day	Start Time	End Day	End Time
11/25/2020	5:53:00 PM	11/25/2020	6:11:00 PM

Rain(in.) = 0.5
Waterbody: Rouge River

Outfall **59**

Dilute Raw Sewage (MG)
0.40000

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP4-HPYN-SQ0V2

Start Day	Start Time	End Day	End Time
11/25/2020	6:02:00 PM	11/25/2020	7:53:00 PM

Rain(in.) = 0.5
Waterbody: Rouge River

Outfall **64**

Dilute Raw Sewage (MG)
2.39000

Cause: Rain

GLWA WRRF

Submission ID. HP4-YJ52-F77MD

Start Day	Start Time	End Day	End Time
12/12/2020	8:14:00 AM	12/12/2020	3:38:00 PM

Rain(in.) = 0.51
Waterbody: River Rouge

Outfall **63**

Dilute Raw Sewage (MG)
0.03000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP4-YJ52-F77MD

Start Day	Start Time	End Day	End Time
12/12/2020	8:33:00 AM	12/12/2020	12:42:00 PM

Rain(in.) = 0.51
Waterbody: River Rouge

Outfall **64**

Dilute Raw Sewage (MG)
5.18000

Cause: Rain

GLWA WRRF

Submission ID. HP4-YJ52-F77MD

Start Day	Start Time	End Day	End Time
12/12/2020	8:40:00 AM	12/12/2020	3:05:00 PM

Rain(in.) = 0.51
Waterbody: River Rouge

Outfall **59**

Dilute Raw Sewage (MG)
3.23000

Cause: Rain

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP4-YJ52-F77MD

Start Day	Start Time	End Day	End Time
12/12/2020	8:52:00 AM	12/12/2020	9:57:00 AM

Rain(in.) = 0.51

Waterbody: River Rouge

Outfall **67**

Dilute Raw Sewage (MG)

0.20000

Cause: Rain

Totals GLWA WRRF

Dilute Raw Sewage (MG)

1964.37500

EGLE Action: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating 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

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Inkster/Dearborn Heights CSO

Inkster/Dearborn Heights CSO

Submission ID. HNW-PNE6-G9998
Permit MI0051837
Outfall **11**

Start Day	Start Time	End Day	End Time
1/11/2020	9:33:00 AM	1/13/2020	12:30:00 PM

Rain(in.) = 2.57
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.27000

Cause: Untreated Combined Sewer Overflow resulting from precipitation which exceeded one inch resulting in overflow of regulator into receiving stream

Inkster/Dearborn Heights CSO

Submission ID. HNY-K5J4-VQB5B
Permit MI0051837
Outfall **11**

Start Day	Start Time	End Day	End Time
3/28/2020	7:53:00 AM	3/30/2020	4:00:00 PM

Rain(in.) = 1.86
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.20000

Cause: Untreated Combined Sewer Overflow resulting from precipitation which exceeded one inch resulting in overflow of regulator into receiving stream

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Inkster/Dearborn Heights CSO

Submission ID. HNZ-VH82-X5HEK
Permit MI0051837
Outfall **11**

Start Day	Start Time	End Day	End Time
5/18/2020	5:00:00 PM	5/21/2020	1:00:00 AM

Rain(in.) = 1.93
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.22000

Cause: Untreated Combined Sewer Overflow resulting from precipitation which exceeded one inch resulting in overflow of regulator into receiving stream

Inkster/Dearborn Heights CSO

Submission ID. HP0-QJJG-AN99A
Permit MI0051837
Outfall **11**

Start Day	Start Time	End Day	End Time
6/23/2020	7:00:00 AM	6/23/2020	7:00:00 PM

Rain(in.) = 1.03
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.11050

Cause: Untreated Combined Sewer Overflow resulting from precipitation which exceeded one inch resulting in overflow of regulator into receiving stream

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Inkster/Dearborn Heights CSO

Submission ID. HP0-TBXF-N0XDW
Permit MI0051837
Outfall **11**

Start Day	Start Time	End Day	End Time
6/27/2020	1:35:00 AM	6/27/2020	10:00:00 AM

Rain(in.) = 1.5
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.15000

Cause: Untreated Combined Sewer Overflow resulting from precipitation which exceeded one inch resulting in overflow of regulator into receiving stream

Inkster/Dearborn Heights CSO

Submission ID. HP1-50WA-K5VYH
Permit MI0051837
Outfall **11**

Start Day	Start Time	End Day	End Time
7/10/2020	1:00:00 PM	7/10/2020	8:00:00 PM

Rain(in.) = 1.15
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
1.15000

Cause: untreated combined sewer overflow resulting from precipitation which exceeded one inch resulting in overflow of regulator into receiving stream

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
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Inkster/Dearborn Heights CSO

Submission ID. HP2-B93T-QS4S8
Permit MI0051837
Outfall **11**

Start Day	Start Time	End Day	End Time
8/28/2020	5:45:00 AM	8/29/2020	7:00:00 AM

Rain(in.) = 2.57
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.27000

Cause: Untreated Combined Sewer Overflow resulting from precipitation which exceeded one inch resulting in overflow of regulator into receiving stream

Inkster/Dearborn Heights CSO

Submission ID. HP2-M27E-ESPCK
Permit MI0051837
Outfall **11**

Start Day	Start Time	End Day	End Time
9/8/2020	8:00:00 AM	9/8/2020	1:53:00 PM

Rain(in.) = 1.4
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
1.36000

Cause: Untreated Combined Sewer Overflow resulting from precipitation which exceeded one inch, resulting in overflow of regulator into receiving stream

Totals Inkster/Dearborn Heights CSO

Dilute Raw Sewage (MG)
3.73050

EGLE Action: Long-term Control Program has been modified; the program addresses one "uncontrolled" (i.e., untreated) CSO outfall; permit requires completion of construction of an approved program for facilities to meet criteria for elimination of raw sewage discharges & protection of public health, and to assure compliance with Water Quality Standards. The Department agreed to a revised correction schedule for this outfall 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/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs..

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Redford Twp CSO

Redford Twp CSO

Start Day	Start Time	End Day	End Time
1/11/2020	8:40:00 AM	1/12/2020	2:49:00 PM

Rain(in.) = 2.73
Waterbody: Ashcroft Drain

Submission ID. HNW-PPM2-HV746
Permit MI0051829
Outfall **45A**

Dilute Raw Sewage (MG)
5.90000

Cause: Diluted, combined sewer overflow due to recent rain event.

Redford Twp CSO

Start Day	Start Time	End Day	End Time
3/28/2020	7:27:00 AM	3/29/2020	7:16:00 AM

Rain(in.) = 1.86
Waterbody: Ashcroft Drain

Submission ID. HNY-K34W-MTVKN
Permit MI0051829
Outfall **45A**

Dilute Raw Sewage (MG)
1.59000

Cause: Diluted, combined sewer overflow due to recent rain event.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Redford Twp CSO

Start Day	Start Time	End Day	End Time
5/15/2020	6:24:00 AM	5/15/2020	8:52:00 AM

Rain(in.) = 0.54
Waterbody: Ashcroft Drain

Submission ID. HNZ-RV65-QQCPY
Permit MI0051829
Outfall **45A**

Dilute Raw Sewage (MG)
0.34377

Cause: Diluted, combined sewer overflow due to recent rain event.

Redford Twp CSO

Start Day	Start Time	End Day	End Time
5/18/2020	6:33:00 PM	5/19/2020	8:30:00 PM

Rain(in.) = 1.82
Waterbody: Ashcroft Drain

Submission ID. HNZ-VJGZ-BP1VX
Permit MI0051829
Outfall **45A**

Dilute Raw Sewage (MG)
6.10000

Cause: Diluted, combined sewer overflow due to recent rain event.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Redford Twp CSO

Start Day	Start Time	End Day	End Time
6/27/2020	12:11:00 AM	6/27/2020	3:08:00 AM

Rain(in.) = 1.27
Waterbody: Ashcroft Drain

Submission ID. HP0-TGBZ-CPZYK
Permit MI0051829
Outfall **45A**

Dilute Raw Sewage (MG)
0.89000

Cause: Diluted, combined sewer overflow due to recent rain event.

Redford Twp CSO

Start Day	Start Time	End Day	End Time
7/19/2020	3:29:00 PM	7/19/2020	3:59:00 PM

Rain(in.) = 1.02
Waterbody: Ashcroft Drain

Submission ID. HP1-C6EJ-JQFFQ
Permit MI0051829
Outfall **45A**

Dilute Raw Sewage (MG)
0.22650

Cause: Diluted, combined sewer overflow due to recent rain event.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Redford Twp CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:23:00 AM	8/2/2020	1:21:00 PM

Rain(in.) = 1.5
Waterbody: Ashcroft Drain

Submission ID. HP1-PXMR-87FZ1
Permit MI0051829
Outfall **45A**

Dilute Raw Sewage (MG)
1.10000

Cause: Diluted,combined sewer overflow due to recent rain event.

Redford Twp CSO

Start Day	Start Time	End Day	End Time
8/28/2020	7:15:00 AM	8/28/2020	8:49:00 AM

Rain(in.) = 5.4
Waterbody: Ashcroft Drain

Submission ID. HP2-BB54-7VQ6S
Permit MI0051829
Outfall **45A**

Dilute Raw Sewage (MG)
0.58000

Cause: Diluted,combined sewer overflow due to recent rain event.

Totals Redford Twp CSO

Dilute Raw Sewage (MG)
16.73027

EGLE Action: Long-term Control Program 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/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs..

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Southgate-Wyandotte CSO RTF

Submission ID. HNW-PNH1-SN2S4
Permit MI0036072
Outfall **2**

Start Day	Start Time	End Day	End Time
1/11/2020	10:15:00 AM	1/11/2020	2:00:00 AM

Rain(in.) = 2.06
Waterbody: Detroit River

Dilute Raw Sewage (MG)
62.76690

Cause: Heavy Rain

Southgate-Wyandotte CSO RTF

Submission ID. HNY-K0RJ-GWZMW
Permit MI0036072
Outfall **2**

Start Day	Start Time	End Day	End Time
3/28/2020	6:45:00 AM	3/28/2020	11:06:00 AM

Rain(in.) = 1.26
Waterbody: Detroit River

Dilute Raw Sewage (MG)
44.83350

Cause: rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
5/18/2020	10:00:00 PM	5/19/2020	1:45:00 AM

Rain(in.) = 1.72
Waterbody: Detroit River

Submission ID. HNZ-VK8D-QQYCC
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
15.94080

Cause: rain

Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
6/23/2020	9:00:00 AM	6/23/2020	9:42:00 AM

Rain(in.) = 0.92
Waterbody: Detroit River

Submission ID. HP0-RG3D-2RVGR
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
6.97410

Cause: rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
6/27/2020	1:30:00 AM	6/27/2020	2:06:00 AM

Rain(in.) = 0.88
Waterbody: Detroit River

Submission ID. HP0-TBKN-3E8S4
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
5.97780

Cause: rain

Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
7/10/2020	7:45:00 PM	7/10/2020	11:30:00 PM

Waterbody: Detroit River

Submission ID. HP1-5683-BAZFV
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
67.74820

Cause: Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
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Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
7/16/2020	10:05:00 AM	7/16/2020	3:55:00 PM

Rain(in.) = 0.96
Waterbody: Detroit River

Submission ID. HP1-9JEF-0YPT1
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
4.98150

Cause: rain

Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
7/19/2020	2:45:00 PM	7/19/2020	3:51:00 PM

Rain(in.) = 1.12
Waterbody: Detroit River

Submission ID. HP1-C3DM-105M8
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
16.93710

Cause: rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
8/2/2020	5:45:00 AM	8/2/2020	7:15:00 AM

Rain(in.) = 1.37
Waterbody: Detroit River

Submission ID. HP1-PT7T-4XQ18
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
40.84830

Cause: rain

Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
8/16/2020	9:50:00 AM	8/16/2020	10:10:00 AM

Rain(in.) = 0.58
Waterbody: Detroit River

Submission ID. HP2-1ZDK-X7ZA8
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
1.99260

Cause: rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
8/28/2020	7:30:00 AM	8/28/2020	7:43:00 PM

Rain(in.) = 3.16
Waterbody: Detroit River

Submission ID. HP2-B9W1-X98NW
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
41.84460

Cause: Heavy Rain

Southgate-Wyandotte CSO RTF

Start Day	Start Time	End Day	End Time
9/7/2020	4:30:00 AM	9/7/2020	5:10:00 AM

Rain(in.) = 1.3
Waterbody: Detroit River

Submission ID. HP2-KZ1V-Y4GQD
Permit MI0036072
Outfall **2**

Dilute Raw Sewage (MG)
19.92540

Cause: Heavy Rain

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

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'COMBINED SEWER OVERFLOW' Detail Report
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Southgate-Wyandotte CSO RTF

Submission ID. HP2-M046-0M6HH
Permit MI0036072
Outfall **2**

Start Day	Start Time	End Day	End Time
9/8/2020	9:53:00 AM	9/8/2020	10:38:00 AM

Rain(in.) = 0.84
Waterbody: Detroit River

Dilute Raw Sewage (MG)
6.97410

Cause: Heavy Rain

Totals Southgate-Wyandotte CSO RTF

Dilute Raw Sewage (MG)
337.74490

EGLE Action: Long-term Control Program 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/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs..

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Wayne Co/Dearborn Heights CSO

Submission ID. HNW-PEYF-4X3AE
Permit MI0051489
Outfall **L43**

Start Day	Start Time	End Day	End Time
1/11/2020	2:47:00 AM	1/13/2020	3:20:00 AM

Rain(in.) = 2.92
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
1.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HNW-PEYF-4X3AE
Permit MI0051489
Outfall **M13**

Start Day	Start Time	End Day	End Time
1/11/2020	2:47:00 AM	1/13/2020	3:20:00 AM

Rain(in.) = 2.92
Waterbody: Middle Rouge River

Dilute Raw Sewage (MG)
2.90000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
1/11/2020	2:47:00 AM	1/13/2020	3:20:00 AM

Rain(in.) = 2.92
Waterbody: Middle Rouge River

Submission ID. HNW-PEYF-4X3AE
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
2.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
1/11/2020	2:47:00 AM	1/13/2020	3:20:00 AM

Rain(in.) = 2.92
Waterbody: Rouge River

Submission ID. HNW-PEYF-4X3AE
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
2.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
1/24/2020	5:06:00 PM	1/24/2020	5:18:00 PM

Rain(in.) = 0.61
Waterbody: Lower Rouge River

Submission ID. HNX-15GY-G8Q6Z
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.04000

Cause: Significant snow melt and rain caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
1/24/2020	5:06:00 PM	1/24/2020	5:18:00 PM

Rain(in.) = 0.61
Waterbody: Middle Rouge River

Submission ID. HNX-15GY-G8Q6Z
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.09000

Cause: Significant snow melt and rain caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HNX-15GY-G8Q6Z
Permit MI0051489
Outfall **M14**

Start Day	Start Time	End Day	End Time
1/24/2020	5:06:00 PM	1/24/2020	5:18:00 PM

Rain(in.) = 0.61
Waterbody: Middle Rouge River

Dilute Raw Sewage (MG)
0.08000

Cause: Significant snow melt and rain caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HNX-15GY-G8Q6Z
Permit MI0051489
Outfall **U1**

Start Day	Start Time	End Day	End Time
1/24/2020	5:06:00 PM	1/24/2020	5:18:00 PM

Rain(in.) = 0.61
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.08000

Cause: Significant snow melt and rain caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
3/28/2020	5:30:00 AM	3/29/2020	12:28:00 AM

Rain(in.) = 1.8
Waterbody: Lower Rouge River

Submission ID. HNY-K0WF-12BTX
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
3/28/2020	5:30:00 AM	3/29/2020	12:28:00 AM

Rain(in.) = 1.8
Waterbody: Middle Rouge River

Submission ID. HNY-K0WF-12BTX
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
3/28/2020	5:30:00 AM	3/29/2020	12:28:00 AM

Rain(in.) = 1.8
Waterbody: Middle Rouge River

Submission ID. HNY-K0WF-12BTX
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
3/28/2020	5:30:00 AM	3/29/2020	12:28:00 AM

Rain(in.) = 1.8
Waterbody: Rouge River

Submission ID. HNY-K0WF-12BTX
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HNZ-R6RS-X80CZ
Permit MI0051489
Outfall **L43**

Start Day	Start Time	End Day	End Time
5/14/2020	12:28:00 PM	5/15/2020	4:19:00 AM

Rain(in.) = 1.37
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HNZ-R6RS-X80CZ
Permit MI0051489
Outfall **M13**

Start Day	Start Time	End Day	End Time
5/14/2020	12:28:00 PM	5/15/2020	4:19:00 AM

Rain(in.) = 1.37
Waterbody: Middle Rouge River

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
5/14/2020	12:28:00 PM	5/15/2020	4:19:00 AM

Rain(in.) = 1.37
Waterbody: Middle Rouge River

Submission ID. HNZ-R6RS-X80CZ
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
5/14/2020	12:28:00 PM	5/15/2020	4:19:00 AM

Rain(in.) = 1.37
Waterbody: Rouge River

Submission ID. HNZ-R6RS-X80CZ
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HNZ-V9W4-BGZMM
Permit MI0051489
Outfall **L43**

Start Day	Start Time	End Day	End Time
5/18/2020	10:05:00 AM	5/20/2020	5:15:00 AM

Rain(in.) = 1.98
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HNZ-V9W4-BGZMM
Permit MI0051489
Outfall **M13**

Start Day	Start Time	End Day	End Time
5/18/2020	10:05:00 AM	5/20/2020	5:15:00 AM

Rain(in.) = 1.98
Waterbody: Middle Rouge River

Dilute Raw Sewage (MG)
1.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HNZ-V9W4-BGZMM
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.90000

Start Day	Start Time	End Day	End Time
5/18/2020	10:05:00 AM	5/20/2020	5:15:00 AM

Rain(in.) = 1.98
Waterbody: Middle Rouge River

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HNZ-V9W4-BGZMM
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.90000

Start Day	Start Time	End Day	End Time
5/18/2020	10:05:00 AM	5/20/2020	5:15:00 AM

Rain(in.) = 1.98
Waterbody: Rouge River

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
6/26/2020	11:30:00 PM	6/27/2020	3:00:00 AM

Rain(in.) = 1.97
Waterbody: Lower Rouge River

Submission ID. HP0-T9JT-4RJPD
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
6/26/2020	11:30:00 PM	6/27/2020	3:00:00 AM

Rain(in.) = 1.97
Waterbody: Middle Rouge River

Submission ID. HP0-T9JT-4RJPD
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
6/26/2020	11:30:00 PM	6/27/2020	3:00:00 AM

Rain(in.) = 1.97
Waterbody: Middle Rouge River

Submission ID. HP0-T9JT-4RJPD
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.70000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
6/26/2020	11:30:00 PM	6/27/2020	3:00:00 AM

Rain(in.) = 1.97
Waterbody: Rouge River

Submission ID. HP0-T9JT-4RJPD
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.70000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

MG = million gallons
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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
7/10/2020	1:20:00 PM	7/10/2020	3:19:00 PM

Rain(in.) = 1.33
Waterbody: Lower Rouge River

Submission ID. HP1-4Z2S-W3AXA
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.05000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
7/10/2020	1:20:00 PM	7/10/2020	3:19:00 PM

Rain(in.) = 1.33
Waterbody: Middle Rouge River

Submission ID. HP1-4Z2S-W3AXA
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

MG = million gallons
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January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
7/10/2020	1:20:00 PM	7/10/2020	3:19:00 PM

Rain(in.) = 1.33
Waterbody: Middle Rouge River

Submission ID. HP1-4Z2S-W3AXA
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
7/10/2020	1:20:00 PM	7/10/2020	3:19:00 PM

Rain(in.) = 1.33
Waterbody: Rouge River

Submission ID. HP1-4Z2S-W3AXA
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
7/16/2020	9:25:00 AM	7/16/2020	9:37:00 AM

Rain(in.) = 0.81
Waterbody: Lower Rouge River

Submission ID. HP1-9HMF-EQ15J
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.04000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
7/16/2020	9:25:00 AM	7/16/2020	9:37:00 AM

Rain(in.) = 0.81
Waterbody: Middle Rouge River

Submission ID. HP1-9HMF-EQ15J
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

MG = million gallons
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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
7/16/2020	9:25:00 AM	7/16/2020	9:37:00 AM

Rain(in.) = 0.81
Waterbody: Middle Rouge River

Submission ID. HP1-9HMF-EQ15J
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
7/16/2020	9:25:00 AM	7/16/2020	9:37:00 AM

Rain(in.) = 0.81
Waterbody: Rouge River

Submission ID. HP1-9HMF-EQ15J
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HP1-C2ZR-W1NKN
Permit MI0051489
Outfall **L43**

Start Day	Start Time	End Day	End Time
7/19/2020	2:30:00 PM	7/19/2020	5:15:00 PM

Rain(in.) = 0.92
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HP1-C2ZR-W1NKN
Permit MI0051489
Outfall **M13**

Start Day	Start Time	End Day	End Time
7/19/2020	2:30:00 PM	7/19/2020	5:15:00 PM

Rain(in.) = 0.92
Waterbody: Middle Rouge River

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HP1-C2ZR-W1NKN
Permit MI0051489
Outfall **M14**

Start Day	Start Time	End Day	End Time
7/19/2020	2:30:00 PM	7/19/2020	5:15:00 PM

Rain(in.) = 0.92
Waterbody: Middle Rouge River

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HP1-C2ZR-W1NKN
Permit MI0051489
Outfall **U1**

Start Day	Start Time	End Day	End Time
7/19/2020	2:30:00 PM	7/19/2020	5:15:00 PM

Rain(in.) = 0.92
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:25:00 AM	8/2/2020	11:50:00 AM

Rain(in.) = 1.22
Waterbody: Lower Rouge River

Submission ID. HP1-PTPS-4KQ0W
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:25:00 AM	8/2/2020	11:50:00 AM

Rain(in.) = 1.22
Waterbody: Middle Rouge River

Submission ID. HP1-PTPS-4KQ0W
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:25:00 AM	8/2/2020	11:50:00 AM

Rain(in.) = 1.22
Waterbody: Middle Rouge River

Submission ID. HP1-PTPS-4KQ0W
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:25:00 AM	8/2/2020	11:50:00 AM

Rain(in.) = 1.22
Waterbody: Rouge River

Submission ID. HP1-PTPS-4KQ0W
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/16/2020	9:00:00 AM	8/16/2020	9:15:00 AM

Rain(in.) = 0.53
Waterbody: Lower Rouge River

Submission ID. HP2-1Z4E-KWKRQ
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.04000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/16/2020	9:00:00 AM	8/16/2020	9:15:00 AM

Rain(in.) = 0.53
Waterbody: Middle Rouge River

Submission ID. HP2-1Z4E-KWKRQ
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/16/2020	9:00:00 AM	8/16/2020	9:15:00 AM

Rain(in.) = 0.53
Waterbody: Middle Rouge River

Submission ID. HP2-1Z4E-KWKRQ
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/16/2020	9:00:00 AM	8/16/2020	9:15:00 AM

Rain(in.) = 0.53
Waterbody: Rouge River

Submission ID. HP2-1Z4E-KWKRQ
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/28/2020	5:02:00 AM	8/29/2020	6:30:00 AM

Rain(in.) = 3.15
Waterbody: Lower Rouge River

Submission ID. HP2-B7TX-98V60
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.90000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
8/28/2020	5:02:00 AM	8/29/2020	6:30:00 AM

Rain(in.) = 3.15
Waterbody: Middle Rouge River

Submission ID. HP2-B7TX-98V60
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
2.00000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HP2-B7TX-98V60
Permit MI0051489
Outfall **M14**

Start Day	Start Time	End Day	End Time
8/28/2020	5:02:00 AM	8/29/2020	6:30:00 AM

Rain(in.) = 3.15
Waterbody: Middle Rouge River

Dilute Raw Sewage (MG)
1.70000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HP2-B7TX-98V60
Permit MI0051489
Outfall **U1**

Start Day	Start Time	End Day	End Time
8/28/2020	5:02:00 AM	8/29/2020	6:30:00 AM

Rain(in.) = 3.15
Waterbody: Rouge River

Dilute Raw Sewage (MG)
1.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HP2-EVAZ-TCATS
Permit MI0051489
Outfall **L43**

Start Day	Start Time	End Day	End Time
9/1/2020	8:45:00 PM	9/1/2020	9:12:00 PM

Rain(in.) = 0.68
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HP2-EVAZ-TCATS
Permit MI0051489
Outfall **M13**

Start Day	Start Time	End Day	End Time
9/1/2020	8:45:00 PM	9/1/2020	9:12:00 PM

Rain(in.) = 0.68
Waterbody: Middle Rouge River

Dilute Raw Sewage (MG)
0.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HP2-EVAZ-TCATS
Permit MI0051489
Outfall **M14**

Start Day	Start Time	End Day	End Time
9/1/2020	8:45:00 PM	9/1/2020	9:12:00 PM

Rain(in.) = 0.68
Waterbody: Middle Rouge River

Dilute Raw Sewage (MG)
0.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Submission ID. HP2-EVAZ-TCATS
Permit MI0051489
Outfall **U1**

Start Day	Start Time	End Day	End Time
9/1/2020	8:45:00 PM	9/1/2020	9:12:00 PM

Rain(in.) = 0.68
Waterbody: Rouge River

Dilute Raw Sewage (MG)
0.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
9/7/2020	3:30:00 AM	9/7/2020	5:22:00 AM

Rain(in.) = 0.75
Waterbody: Lower Rouge River

Submission ID. HP2-KZHR-JJC4P
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
9/7/2020	3:30:00 AM	9/7/2020	5:22:00 AM

Rain(in.) = 0.75
Waterbody: Middle Rouge River

Submission ID. HP2-KZHR-JJC4P
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
9/7/2020	3:30:00 AM	9/7/2020	5:22:00 AM

Rain(in.) = 0.75
Waterbody: Middle Rouge River

Submission ID. HP2-KZHR-JJC4P
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
9/7/2020	3:30:00 AM	9/7/2020	5:22:00 AM

Rain(in.) = 0.75
Waterbody: Rouge River

Submission ID. HP2-KZHR-JJC4P
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
9/8/2020	8:38:00 AM	9/8/2020	2:59:00 PM

Rain(in.) = 0.8
Waterbody: Lower Rouge River

Submission ID. HP2-KYR2-26571
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
9/8/2020	8:38:00 AM	9/8/2020	2:59:00 PM

Rain(in.) = 0.8
Waterbody: Middle Rouge River

Submission ID. HP2-KYR2-26571
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
9/8/2020	8:38:00 AM	9/8/2020	2:59:00 PM

Rain(in.) = 0.8
Waterbody: Middle Rouge River

Submission ID. HP2-KYR2-26571
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
9/8/2020	8:38:00 AM	9/8/2020	2:59:00 PM

Rain(in.) = 0.8
Waterbody: Rouge River

Submission ID. HP2-KYR2-26571
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
11/15/2020	6:40:00 AM	11/15/2020	6:58:00 AM

Rain(in.) = 0.88
Waterbody: Lower Rouge River

Submission ID. HP4-9C3H-2H1XC
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
11/15/2020	6:40:00 AM	11/15/2020	6:58:00 AM

Rain(in.) = 0.88
Waterbody: Middle Rouge River

Submission ID. HP4-9C3H-2H1XC
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
11/15/2020	6:40:00 AM	11/15/2020	6:58:00 AM

Rain(in.) = 0.88
Waterbody: Middle Rouge River

Submission ID. HP4-9C3H-2H1XC
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
11/15/2020	6:40:00 AM	11/15/2020	6:58:00 AM

Rain(in.) = 0.88
Waterbody: Rouge River

Submission ID. HP4-9C3H-2H1XC
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
11/26/2020	3:04:00 AM	11/26/2020	3:16:00 AM

Rain(in.) = 0.46
Waterbody: Lower Rouge River

Submission ID. HP4-J0Q2-Q5BCK
Permit MI0051489
Outfall **L43**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
11/26/2020	3:04:00 AM	11/26/2020	3:16:00 AM

Rain(in.) = 0.46
Waterbody: Middle Rouge River

Submission ID. HP4-J0Q2-Q5BCK
Permit MI0051489
Outfall **M13**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
11/26/2020	3:04:00 AM	11/26/2020	3:16:00 AM

Rain(in.) = 0.46
Waterbody: Middle Rouge River

Submission ID. HP4-J0Q2-Q5BCK
Permit MI0051489
Outfall **M14**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Dearborn Heights CSO

Start Day	Start Time	End Day	End Time
11/26/2020	3:04:00 AM	11/26/2020	3:16:00 AM

Rain(in.) = 0.46
Waterbody: Rouge River

Submission ID. HP4-J0Q2-Q5BCK
Permit MI0051489
Outfall **U1**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Totals **Wayne Co/Dearborn Heights CSO**

Dilute Raw Sewage (MG)
28.92000

EGLE Action: 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/Inkster CSO

Wayne Co/Inkster CSO

Submission ID. HNW-PF63-XK3Q2
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
1/11/2020	2:09:00 AM	1/12/2020	4:30:00 PM

Rain(in.) = 2.71
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
17.11424

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Submission ID. HNW-PP1C-YVN3C
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
1/11/2020	2:09:00 AM	1/13/2020	10:40:00 AM

Rain(in.) = 2.71
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
15.90000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Submission ID. HNX-15W3-NWKFF
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
1/24/2020	5:00:00 PM	1/26/2020	6:46:00 PM

Rain(in.) = 0.67
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.60000

Cause: Significant snow melt and rain caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Submission ID. HNY-Q72D-W5VW6
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
3/28/2020	6:24:00 AM	3/29/2020	10:14:00 PM

Rain(in.) = 1.79
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
6.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Submission ID. HNY-VDB7-2RR4G
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
4/7/2020	10:55:00 PM	4/8/2020	5:27:00 AM

Rain(in.) = 0.8
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Submission ID. HNZ-R75K-TH2M5
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
5/14/2020	1:36:00 PM	5/15/2020	6:51:00 AM

Rain(in.) = 2.22
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Submission ID. HNZ-VDPA-RSYKN
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
5/18/2020	4:14:00 PM	5/19/2020	6:02:00 PM

Rain(in.) = 2.22
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
7.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
6/23/2020	9:29:00 AM	6/23/2020	9:44:00 AM

Rain(in.) = 0.66
Waterbody: Lower Rouge River

Submission ID. HP0-QFQV-TF3RS
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
0.70000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
6/27/2020	12:01:00 AM	6/27/2020	3:50:00 AM

Rain(in.) = 1.52
Waterbody: Lower Rouge River

Submission ID. HP0-TA7H-GGCGT
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
2.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
7/10/2020	1:00:00 PM	7/10/2020	5:14:00 PM

Rain(in.) = 1.08
Waterbody: Lower Rouge River

Submission ID. HP1-4Z7T-M4MPE
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
2.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
7/16/2020	9:21:00 AM	7/16/2020	12:07:00 PM

Rain(in.) = 1.01
Waterbody: Rouge River

Submission ID. HP1-9HX2-NWPZA
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
7/19/2020	2:33:00 PM	7/19/2020	6:40:00 PM

Rain(in.) = 0.94
Waterbody: Lower Rouge River

Submission ID. HP1-C37Y-GHQ6Q
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
2.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
7/29/2020	11:10:00 AM	7/29/2020	3:37:00 PM

Rain(in.) = 0.61
Waterbody: Lower Rouge River

Submission ID. HP1-KTVC-5Y2WF
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:31:00 AM	8/2/2020	2:19:00 PM

Rain(in.) = 1.09
Waterbody: Lower Rouge River

Submission ID. HP1-PTBH-N70KW
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
1.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
8/28/2020	7:00:00 AM	8/28/2020	11:58:00 PM

Rain(in.) = 2.42
Waterbody: Lower Rouge River

Submission ID. HP2-B8XM-6JRNC
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
3.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
9/1/2020	8:30:00 PM	9/2/2020	3:41:00 AM

Rain(in.) = 0.43
Waterbody: Lower Rouge River

Submission ID. HP2-EV3Z-P6Z0R
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
2.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
9/7/2020	3:40:00 AM	9/7/2020	7:12:00 AM

Rain(in.) = 0.81
Waterbody: Lower Rouge River

Submission ID. HP2-KZPA-VPZRW
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
2.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
9/8/2020	8:44:00 AM	9/8/2020	9:52:00 PM

Rain(in.) = 1.16
Waterbody: Lower Rouge River

Submission ID. HP2-M0JZ-VMTZQ
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
6.90000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
9/8/2020	8:44:00 AM	9/8/2020	2:45:00 PM

Rain(in.) = 1.4
Waterbody: Lower Rouge River

Submission ID. HP2-KYYK-0JJ2N
Permit MI0051471
Outfall **2**

Dilute Raw Sewage (MG)
1.40000

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
10/23/2020	5:10:00 PM	10/23/2020	7:15:00 PM

Rain(in.) = 0.27
Waterbody: Lower Rouge River

Submission ID. HP3-QK86-0MWG6
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster CSO

Start Day	Start Time	End Day	End Time
11/15/2020	6:00:00 AM	11/15/2020	12:58:00 PM

Rain(in.) = 0.82
Waterbody: Lower Rouge River

Submission ID. HP4-9C8E-8A9YE
Permit MI0051471
Outfall **10**

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Submission ID. HP4-YRDR-GT111
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
12/12/2020	12:15:00 PM	12/12/2020	4:05:00 PM

Rain(in.) = 0.69
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Totals Wayne Co/Inkster CSO

Dilute Raw Sewage (MG)
77.51424

EGLE Action: Long-term Control Program 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 the pemittee has requested an extension of the LTCP due to affordability issues.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
1/11/2020	2:09:00 AM	1/13/2020	10:40:00 AM

Rain(in.) = 2.92
Waterbody: Lower Rouge River

Submission ID. HNW-PF8Y-JVZMD
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
28.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
1/11/2020	2:09:00 AM	1/13/2020	10:40:00 AM

Rain(in.) = 2.92
Waterbody: Lower Rouge River

Submission ID. HNW-PF8Y-JVZMD
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
3.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
1/24/2020	5:00:00 PM	1/26/2020	6:46:00 PM

Rain(in.) = 0.67
Waterbody: Lower Rouge River

Submission ID. HNX-15R9-T1V1Y
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
1.10000

Cause: Significant snow melt and rain caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
1/24/2020	5:00:00 PM	1/26/2020	6:46:00 PM

Rain(in.) = 0.67
Waterbody: Lower Rouge River

Submission ID. HNX-15R9-T1V1Y
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant snow melt and rain caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
3/28/2020	5:30:00 AM	3/29/2020	10:14:00 PM

Rain(in.) = 1.8
Waterbody: Lower Rouge River

Submission ID. HNY-K14A-K66K1
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
9.00000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
3/28/2020	5:30:00 AM	3/29/2020	10:14:00 PM

Rain(in.) = 1.8
Waterbody: Lower Rouge River

Submission ID. HNY-K14A-K66K1
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
4/7/2020	10:55:00 PM	4/8/2020	5:27:00 AM

Rain(in.) = 0.8
Waterbody: Lower Rouge River

Submission ID. HNY-VDDW-S76AH
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
1.00000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
4/7/2020	10:55:00 PM	4/8/2020	5:27:00 AM

Rain(in.) = 0.8
Waterbody: Lower Rouge River

Submission ID. HNY-VDDW-S76AH
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.00400

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
5/14/2020	12:28:00 PM	5/15/2020	6:51:00 AM

Rain(in.) = 1.37
Waterbody: Lower Rouge River

Submission ID. HNZ-R6Z5-AX7HY
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
1.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
5/14/2020	12:28:00 PM	5/15/2020	6:51:00 AM

Rain(in.) = 1.37
Waterbody: Lower Rouge River

Submission ID. HNZ-R6Z5-AX7HY
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
5/18/2020	10:05:00 AM	5/20/2020	5:15:00 AM

Rain(in.) = 2.22
Waterbody: Lower Rouge River

Submission ID. HNZ-R74D-CHTEZ
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
12.70000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
5/18/2020	10:05:00 AM	5/20/2020	5:15:00 AM

Rain(in.) = 2.22
Waterbody: Lower Rouge River

Submission ID. HNZ-R74D-CHTEZ
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
1.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
6/23/2020	9:29:00 AM	6/23/2020	9:44:00 AM

Rain(in.) = 0.66
Waterbody: Lower Rouge River

Submission ID. HP0-QFT5-SFVY4
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
0.90000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
6/23/2020	9:29:00 AM	6/23/2020	9:44:00 AM

Rain(in.) = 0.66
Waterbody: Lower Rouge River

Submission ID. HP0-QFT5-SFVY4
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.00300

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
6/26/2020	11:30:00 PM	6/27/2020	3:50:00 AM

Rain(in.) = 1.97
Waterbody: Lower Rouge River

Submission ID. HP0-T9Q7-JN4HX
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
5.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
6/26/2020	11:30:00 PM	6/27/2020	3:50:00 AM

Rain(in.) = 1.97
Waterbody: Lower Rouge River

Submission ID. HP0-T9Q7-JN4HX
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.90000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
7/10/2020	1:00:00 PM	7/10/2020	5:14:00 PM

Rain(in.) = 1.33
Waterbody: Lower Rouge River

Submission ID. HP0-TA6J-PWW4H
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
3.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
7/10/2020	1:00:00 PM	7/10/2020	5:14:00 PM

Rain(in.) = 1.33
Waterbody: Lower Rouge River

Submission ID. HP0-TA6J-PWW4H
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
7/16/2020	9:21:00 AM	7/16/2020	12:07:00 PM

Rain(in.) = 1.01
Waterbody: Lower River Rouge

Submission ID. HP1-9J2J-7FDCG
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
1.00000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
7/16/2020	9:21:00 AM	7/16/2020	12:07:00 PM

Rain(in.) = 1.01
Waterbody: Lower River Rouge

Submission ID. HP1-9J2J-7FDCG
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
7/19/2020	2:30:00 PM	7/19/2020	6:40:00 PM

Rain(in.) = 0.94
Waterbody: Lower Rouge River

Submission ID. HP1-C34B-3P0P1
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
3.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
7/19/2020	2:30:00 PM	7/19/2020	6:40:00 PM

Rain(in.) = 0.94
Waterbody: Lower Rouge River

Submission ID. HP1-C34B-3P0P1
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
7/29/2020	11:10:00 AM	7/29/2020	3:37:00 PM

Rain(in.) = 0.61
Waterbody: Lower Rouge River

Submission ID. HP1-KTRZ-49N5N
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
0.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
7/29/2020	11:10:00 AM	7/29/2020	3:37:00 PM

Rain(in.) = 0.61
Waterbody: Lower Rouge River

Submission ID. HP1-KTRZ-49N5N
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.00300

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:25:00 AM	8/2/2020	2:19:00 PM

Rain(in.) = 1.22
Waterbody: Lower Rouge River

Submission ID. HP1-PTDV-90PZZ
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
2.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:25:00 AM	8/2/2020	2:19:00 PM

Rain(in.) = 1.22
Waterbody: Lower Rouge River

Submission ID. HP1-PTDV-90PZZ
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
8/16/2020	9:00:00 AM	8/16/2020	9:15:00 AM

Rain(in.) = 0.53
Waterbody: Lower Rouge River

Submission ID. HP2-1YYQ-P8K61
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
0.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
8/16/2020	9:00:00 AM	8/16/2020	9:15:00 AM

Rain(in.) = 0.53
Waterbody: Lower Rouge River

Submission ID. HP2-1YYQ-P8K61
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
8/28/2020	5:02:00 AM	8/29/2020	6:30:00 AM

Rain(in.) = 3.15
Waterbody: Lower Rouge River

Submission ID. HP2-B7ZM-K6419
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
10.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
8/28/2020	5:02:00 AM	8/29/2020	6:30:00 AM

Rain(in.) = 3.15
Waterbody: Lower Rouge River

Submission ID. HP2-B7ZM-K6419
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
2.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
9/1/2020	8:30:00 PM	9/2/2020	3:41:00 AM

Rain(in.) = 0.68
Waterbody: Lower Rouge River

Submission ID. HP2-EV86-XC4CH
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
3.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
9/1/2020	8:30:00 PM	9/2/2020	3:41:00 AM

Rain(in.) = 0.68
Waterbody: Lower Rouge River

Submission ID. HP2-EV86-XC4CH
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
9/7/2020	3:30:00 AM	9/7/2020	7:12:00 AM

Rain(in.) = 0.81
Waterbody: Lower Rouge River

Submission ID. HP2-KZVH-GVTPT
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
3.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
9/7/2020	3:30:00 AM	9/7/2020	7:12:00 AM

Rain(in.) = 0.81
Waterbody: Lower Rouge River

Submission ID. HP2-KZVH-GVTPT
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
9/8/2020	8:38:00 AM	9/8/2020	9:52:00 PM

Rain(in.) = 1.16
Waterbody: Lower Rouge River

Submission ID. HP2-KYW0-N7EXZ
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
9.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
9/8/2020	8:38:00 AM	9/8/2020	9:52:00 PM

Rain(in.) = 1.16
Waterbody: Lower Rouge River

Submission ID. HP2-KYW0-N7EXZ
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
10/23/2020	5:10:00 PM	10/23/2020	7:15:00 PM

Rain(in.) = 0.27
Waterbody: Lower rouge

Submission ID. HP3-QKD0-YWHJZ
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
0.70000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
10/23/2020	5:10:00 PM	10/23/2020	7:15:00 PM

Rain(in.) = 0.27
Waterbody: Lower rouge

Submission ID. HP3-QKD0-YWHJZ
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.00300

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
11/15/2020	6:00:00 AM	11/15/2020	12:58:00 PM

Rain(in.) = 0.88
Waterbody: Lower Rouge River

Submission ID. HP4-9CAM-35VCT
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
1.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
11/15/2020	6:00:00 AM	11/15/2020	12:58:00 PM

Rain(in.) = 0.88
Waterbody: Lower Rouge River

Submission ID. HP4-9CAM-35VCT
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
11/26/2020	3:04:00 AM	11/26/2020	3:16:00 AM

Rain(in.) = 0.46
Waterbody: Lower Rouge River

Submission ID. HP4-J0WG-SCY73
Permit MI0051462
Outfall **L41**

Dilute Raw Sewage (MG)
0.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Start Day	Start Time	End Day	End Time
11/26/2020	3:04:00 AM	11/26/2020	3:16:00 AM

Rain(in.) = 0.46
Waterbody: Lower Rouge River

Submission ID. HP4-J0WG-SCY73
Permit MI0051462
Outfall **L42**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID. HP4-YRG4-Z0VYM
Permit MI0051462
Outfall **L41**

Start Day	Start Time	End Day	End Time
12/12/2020	12:15:00 PM	12/12/2020	4:05:00 PM

Rain(in.) = 0.72
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.70000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID. HP4-YRG4-Z0VYM
Permit MI0051462
Outfall **L42**

Start Day	Start Time	End Day	End Time
12/12/2020	12:15:00 PM	12/12/2020	4:05:00 PM

Rain(in.) = 0.72
Waterbody: Lower Rouge River

Dilute Raw Sewage (MG)
0.00300

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Totals Wayne Co/Inkster/Drbrn Hts CSO

Dilute Raw Sewage (MG)
112.91600

EGLE Action: Long-term Control Program 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.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNW-PN8K-Y9N7Z
Permit MI0051535
Outfall **U10**

Start Day	Start Time	End Day	End Time
1/11/2020	8:40:00 AM	1/12/2020	2:49:00 PM

Rain(in.) = 2.66
Waterbody: Upper Rouge River

Dilute Raw Sewage (MG)
2.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNW-PN8K-Y9N7Z
Permit MI0051535
Outfall **U11**

Start Day	Start Time	End Day	End Time
1/11/2020	8:40:00 AM	1/12/2020	2:49:00 PM

Rain(in.) = 2.66
Waterbody: Tarabusi Creek

Dilute Raw Sewage (MG)
14.00000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNW-PN8K-Y9N7Z
Permit MI0051535
Outfall **U2**

Start Day	Start Time	End Day	End Time
1/11/2020	8:40:00 AM	1/12/2020	2:49:00 PM

Rain(in.) = 2.66
Waterbody: Ashcroft-Sherwood Drain

Dilute Raw Sewage (MG)
49.00000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNW-PN8K-Y9N7Z
Permit MI0051535
Outfall **U3**

Start Day	Start Time	End Day	End Time
1/11/2020	8:40:00 AM	1/12/2020	2:49:00 PM

Rain(in.) = 2.66
Waterbody: Bell Branch

Dilute Raw Sewage (MG)
1.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
1/11/2020	8:40:00 AM	1/12/2020	2:49:00 PM

Rain(in.) = 2.66
Waterbody: Bell Branch

Submission ID. HNW-PN8K-Y9N7Z
Permit MI0051535
Outfall **U4**

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
1/11/2020	8:40:00 AM	1/12/2020	2:49:00 PM

Rain(in.) = 2.66
Waterbody: Bell Branch

Submission ID. HNW-PN8K-Y9N7Z
Permit MI0051535
Outfall **U5**

Dilute Raw Sewage (MG)
2.90000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNW-PN8K-Y9N7Z
Permit MI0051535
Outfall **U9**

Start Day	Start Time	End Day	End Time
1/11/2020	8:40:00 AM	1/12/2020	2:49:00 PM

Rain(in.) = 2.66
Waterbody: Tarabusi Creek

Dilute Raw Sewage (MG)
6.00000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNY-K1HE-RPXSN
Permit MI0051535
Outfall **U10**

Start Day	Start Time	End Day	End Time
3/28/2020	7:27:00 AM	3/29/2020	7:16:00 AM

Rain(in.) = 1.88
Waterbody: Upper Rouge River

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNY-K1HE-RPXSN
Permit MI0051535
Outfall **U11**

Start Day	Start Time	End Day	End Time
3/28/2020	7:27:00 AM	3/29/2020	7:16:00 AM

Rain(in.) = 1.88
Waterbody: Tarabusi Creek

Dilute Raw Sewage (MG)
3.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNY-K1HE-RPXSN
Permit MI0051535
Outfall **U2**

Start Day	Start Time	End Day	End Time
3/28/2020	7:27:00 AM	3/29/2020	7:16:00 AM

Rain(in.) = 1.88
Waterbody: Ashcroft-Sherwood Drain

Dilute Raw Sewage (MG)
13.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
3/28/2020	7:27:00 AM	3/29/2020	7:16:00 AM

Rain(in.) = 1.88
Waterbody: Bell Branch

Submission ID. HNY-K1HE-RPXSN
Permit MI0051535
Outfall **U3**

Dilute Raw Sewage (MG)
0.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
3/28/2020	7:27:00 AM	3/29/2020	7:16:00 AM

Rain(in.) = 1.88
Waterbody: Bell Branch

Submission ID. HNY-K1HE-RPXSN
Permit MI0051535
Outfall **U4**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
3/28/2020	7:27:00 AM	3/29/2020	7:16:00 AM

Rain(in.) = 1.88
Waterbody: Bell Branch

Submission ID. HNY-K1HE-RPXSN
Permit MI0051535
Outfall **U5**

Dilute Raw Sewage (MG)
0.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
3/28/2020	7:27:00 AM	3/29/2020	7:16:00 AM

Rain(in.) = 1.88
Waterbody: Tarabusi Creek

Submission ID. HNY-K1HE-RPXSN
Permit MI0051535
Outfall **U9**

Dilute Raw Sewage (MG)
1.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/15/2020	6:46:00 AM	5/15/2020	8:52:00 AM

Rain(in.) = 1.69
Waterbody: Upper Rouge River

Submission ID. HNZ-RT1B-NJK2H
Permit MI0051535
Outfall **U10**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/15/2020	6:46:00 AM	5/15/2020	8:52:00 AM

Rain(in.) = 1.69
Waterbody: Tarabusi Creek

Submission ID. HNZ-RT1B-NJK2H
Permit MI0051535
Outfall **U11**

Dilute Raw Sewage (MG)
0.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/15/2020	6:46:00 AM	5/15/2020	8:52:00 AM

Rain(in.) = 1.69
Waterbody: Ashcroft-Sherwood Drain

Submission ID. HNZ-RT1B-NJK2H
Permit MI0051535
Outfall **U2**

Dilute Raw Sewage (MG)
2.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/15/2020	6:46:00 AM	5/15/2020	8:52:00 AM

Rain(in.) = 1.69
Waterbody: Bell Branch

Submission ID. HNZ-RT1B-NJK2H
Permit MI0051535
Outfall **U3**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/15/2020	6:46:00 AM	5/15/2020	8:52:00 AM

Rain(in.) = 1.69
Waterbody: Bell Branch

Submission ID. HNZ-RT1B-NJK2H
Permit MI0051535
Outfall **U4**

Dilute Raw Sewage (MG)
0.04000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/15/2020	6:46:00 AM	5/15/2020	8:52:00 AM

Rain(in.) = 1.69
Waterbody: Bell Branch

Submission ID. HNZ-RT1B-NJK2H
Permit MI0051535
Outfall **U5**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/15/2020	6:46:00 AM	5/15/2020	8:52:00 AM

Rain(in.) = 1.69
Waterbody: Tarabusi Creek

Submission ID. HNZ-RT1B-NJK2H
Permit MI0051535
Outfall **U9**

Dilute Raw Sewage (MG)
0.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/18/2020	6:33:00 PM	5/19/2020	8:30:00 PM

Rain(in.) = 2.23
Waterbody: Upper Rouge River

Submission ID. HNZ-V9VA-DEZJP
Permit MI0051535
Outfall **U10**

Dilute Raw Sewage (MG)
2.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNZ-V9VA-DEZJP
Permit MI0051535
Outfall **U11**

Start Day	Start Time	End Day	End Time
5/18/2020	6:33:00 PM	5/19/2020	8:30:00 PM

Rain(in.) = 2.23
Waterbody: Tarabusi Creek

Dilute Raw Sewage (MG)
14.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNZ-V9VA-DEZJP
Permit MI0051535
Outfall **U2**

Start Day	Start Time	End Day	End Time
5/18/2020	6:33:00 PM	5/19/2020	8:30:00 PM

Rain(in.) = 2.23
Waterbody: Ashcroft-Sherwood Drain

Dilute Raw Sewage (MG)
51.00000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/18/2020	6:33:00 PM	5/19/2020	8:30:00 PM

Rain(in.) = 2.23
Waterbody: Bell Branch

Submission ID. HNZ-V9VA-DEZJP
Permit MI0051535
Outfall **U3**

Dilute Raw Sewage (MG)
1.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/18/2020	6:33:00 PM	5/19/2020	8:30:00 PM

Rain(in.) = 2.23
Waterbody: Bell Branch

Submission ID. HNZ-V9VA-DEZJP
Permit MI0051535
Outfall **U4**

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/18/2020	6:33:00 PM	5/19/2020	8:30:00 PM

Rain(in.) = 2.23
Waterbody: Bell Branch

Submission ID. HNZ-V9VA-DEZJP
Permit MI0051535
Outfall **U5**

Dilute Raw Sewage (MG)
3.00000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
5/18/2020	6:33:00 PM	5/19/2020	8:30:00 PM

Rain(in.) = 2.23
Waterbody: Tarabusi Creek

Submission ID. HNZ-V9VA-DEZJP
Permit MI0051535
Outfall **U9**

Dilute Raw Sewage (MG)
6.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
6/27/2020	12:11:00 AM	6/27/2020	3:08:00 AM

Rain(in.) = 1.81
Waterbody: Upper Rouge River

Submission ID. HP0-TA9N-1JK79
Permit MI0051535
Outfall **U10**

Dilute Raw Sewage (MG)
0.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
6/27/2020	12:11:00 AM	6/27/2020	3:08:00 AM

Rain(in.) = 1.81
Waterbody: Tarabusi Creek

Submission ID. HP0-TA9N-1JK79
Permit MI0051535
Outfall **U11**

Dilute Raw Sewage (MG)
2.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Submission ID. HP0-TA9N-1JK79
Permit MI0051535
Outfall **U2**

Start Day	Start Time	End Day	End Time
6/27/2020	12:11:00 AM	6/27/2020	3:08:00 AM

Rain(in.) = 1.81
Waterbody: Ashcroft-Sherwood Drain

Dilute Raw Sewage (MG)
7.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Submission ID. HP0-TA9N-1JK79
Permit MI0051535
Outfall **U3**

Start Day	Start Time	End Day	End Time
6/27/2020	12:11:00 AM	6/27/2020	3:08:00 AM

Rain(in.) = 1.81
Waterbody: Bell Branch

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
6/27/2020	12:11:00 AM	6/27/2020	3:08:00 AM

Rain(in.) = 1.81
Waterbody: Bell Branch

Submission ID. HP0-TA9N-1JK79
Permit MI0051535
Outfall **U4**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
6/27/2020	12:11:00 AM	6/27/2020	3:08:00 AM

Rain(in.) = 1.81
Waterbody: Bell Branch

Submission ID. HP0-TA9N-1JK79
Permit MI0051535
Outfall **U5**

Dilute Raw Sewage (MG)
0.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
6/27/2020	12:11:00 AM	6/27/2020	3:08:00 AM

Rain(in.) = 1.81
Waterbody: Tarabusi Creek

Submission ID. HP0-TA9N-1JK79
Permit MI0051535
Outfall **U9**

Dilute Raw Sewage (MG)
0.90000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
7/19/2020	3:32:00 PM	7/19/2020	3:59:00 PM

Rain(in.) = 0.86
Waterbody: Upper Rouge River

Submission ID. HP1-C3PS-JCJBK
Permit MI0051535
Outfall **U10**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
7/19/2020	3:32:00 PM	7/19/2020	3:59:00 PM

Rain(in.) = 0.86
Waterbody: Tarabusi Creek

Submission ID. HP1-C3PS-JCJBK
Permit MI0051535
Outfall **U11**

Dilute Raw Sewage (MG)
0.50000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
7/19/2020	3:32:00 PM	7/19/2020	3:59:00 PM

Rain(in.) = 0.86
Waterbody: Ashcroft-Sherwood Drain

Submission ID. HP1-C3PS-JCJBK
Permit MI0051535
Outfall **U2**

Dilute Raw Sewage (MG)
1.90000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
7/19/2020	3:32:00 PM	7/19/2020	3:59:00 PM

Rain(in.) = 0.86
Waterbody: Bell Branch

Submission ID. HP1-C3PS-JCJBK
Permit MI0051535
Outfall **U3**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
7/19/2020	3:32:00 PM	7/19/2020	3:59:00 PM

Rain(in.) = 0.86
Waterbody: Bell Branch

Submission ID. HP1-C3PS-JCJBK
Permit MI0051535
Outfall **U4**

Dilute Raw Sewage (MG)
0.02000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
7/19/2020	3:32:00 PM	7/19/2020	3:59:00 PM

Rain(in.) = 0.86
Waterbody: Bell Branch

Submission ID. HP1-C3PS-JCJBK
Permit MI0051535
Outfall **U5**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
7/19/2020	3:32:00 PM	7/19/2020	3:59:00 PM

Rain(in.) = 0.86
Waterbody: Tarabusi Creek

Submission ID. HP1-C3PS-JCJBK
Permit MI0051535
Outfall **U9**

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:23:00 AM	8/2/2020	1:21:00 PM

Rain(in.) = 2.23
Waterbody: Upper Rouge River

Submission ID. HP1-PTFN-N3ZQT
Permit MI0051535
Outfall **U10**

Dilute Raw Sewage (MG)
0.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:23:00 AM	8/2/2020	1:21:00 PM

Rain(in.) = 2.23
Waterbody: Tarabusi Creek

Submission ID. HP1-PTFN-N3ZQT
Permit MI0051535
Outfall **U11**

Dilute Raw Sewage (MG)
2.70000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Submission ID. HP1-PTFN-N3ZQT
Permit MI0051535
Outfall **U2**

Start Day	Start Time	End Day	End Time
8/2/2020	6:23:00 AM	8/2/2020	1:21:00 PM

Rain(in.) = 2.23
Waterbody: Ashcroft-Sherwood Drain

Dilute Raw Sewage (MG)
9.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Submission ID. HP1-PTFN-N3ZQT
Permit MI0051535
Outfall **U3**

Start Day	Start Time	End Day	End Time
8/2/2020	6:23:00 AM	8/2/2020	1:21:00 PM

Rain(in.) = 2.23
Waterbody: Bell Branch

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

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'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:23:00 AM	8/2/2020	1:21:00 PM

Rain(in.) = 2.23
Waterbody: Bell Branch

Submission ID. HP1-PTFN-N3ZQT
Permit MI0051535
Outfall **U4**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/2/2020	6:23:00 AM	8/2/2020	1:21:00 PM

Rain(in.) = 2.23
Waterbody: Bell Branch

Submission ID. HP1-PTFN-N3ZQT
Permit MI0051535
Outfall **U5**

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Submission ID. HP1-PTFN-N3ZQT
Permit MI0051535
Outfall **U9**

Start Day	Start Time	End Day	End Time
8/2/2020	6:23:00 AM	8/2/2020	1:21:00 PM

Rain(in.) = 2.23
Waterbody: Tarabusi Creek

Dilute Raw Sewage (MG)
1.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Submission ID. HP2-B9A2-K6FN9
Permit MI0051535
Outfall **U10**

Start Day	Start Time	End Day	End Time
8/28/2020	7:15:00 AM	8/28/2020	8:49:00 AM

Rain(in.) = 2.41
Waterbody: Upper Rouge River

Dilute Raw Sewage (MG)
0.20000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/28/2020	7:15:00 AM	8/28/2020	8:49:00 AM

Rain(in.) = 2.41
Waterbody: Tarabusi Creek

Submission ID. HP2-B9A2-K6FN9
Permit MI0051535
Outfall **U11**

Dilute Raw Sewage (MG)
1.40000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/28/2020	7:15:00 AM	8/28/2020	8:49:00 AM

Rain(in.) = 2.41
Waterbody: Ashcroft-Sherwood Drain

Submission ID. HP2-B9A2-K6FN9
Permit MI0051535
Outfall **U2**

Dilute Raw Sewage (MG)
4.80000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/28/2020	7:15:00 AM	8/28/2020	8:49:00 AM

Rain(in.) = 2.41
Waterbody: Bell Branch

Submission ID. HP2-B9A2-K6FN9
Permit MI0051535
Outfall **U3**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/28/2020	7:15:00 AM	8/28/2020	8:49:00 AM

Rain(in.) = 2.41
Waterbody: Bell Branch

Submission ID. HP2-B9A2-K6FN9
Permit MI0051535
Outfall **U4**

Dilute Raw Sewage (MG)
0.10000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/28/2020	7:15:00 AM	8/28/2020	8:49:00 AM

Rain(in.) = 2.41
Waterbody: Bell Branch

Submission ID. HP2-B9A2-K6FN9
Permit MI0051535
Outfall **U5**

Dilute Raw Sewage (MG)
0.30000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Wayne Co/RDFrd/Livonia CSO

Start Day	Start Time	End Day	End Time
8/28/2020	7:15:00 AM	8/28/2020	8:49:00 AM

Rain(in.) = 2.41
Waterbody: Tarabusi Creek

Submission ID. HP2-B9A2-K6FN9
Permit MI0051535
Outfall **U9**

Dilute Raw Sewage (MG)
0.60000

Cause: Significant rainfall event occurred which caused the flow rate in the sewer to exceed the capacity.

Totals Wayne Co/RDFrd/Livonia CSO

Dilute Raw Sewage (MG)
216.46000

EGLE Action: Long-term Control Program 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 requires control of the remaining untreated outfalls by 2025.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'COMBINED SEWER OVERFLOW' Detail Report
January 1 - December 31, 2020

County Totals **Wayne**

	Dilute Raw Sewage (MG)
	3504.96091

Report Totals

	Dilute Raw Sewage (MG)
	3842.28105

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Bay

Bay City WWTP

Bay City WWTP

Submission ID. HNW-R41X-F8R78
Permit MI0022284
Outfall **48**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.95
1/11/2020	8:45:00 PM	1/12/2020	11:59:00 PM	Waterbody: Saginaw River

RTB (MG)
20.500

Cause: Rain & Snow melt

Bay City WWTP

Submission ID. HNY-ZQHQ-JMT69
Permit MI0022284
Outfall **48**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.49
4/8/2020	3:15:00 AM	4/9/2020	8:00:00 PM	Waterbody: Saginaw River

RTB (MG)
29.700

Cause: Heavy Rains

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Bay City WWTP

Submission ID. HNZ-GY6Z-5JWP9
Permit MI0022284
Outfall **48**

Start Day	Start Time	End Day	End Time
4/30/2020	9:45:00 AM	5/2/2020	1:00:00 AM

Rain(in.) = 2.73
Waterbody: Saginaw River

RTB (MG)
28.500

Cause: Heavy Rain Fall

Bay City WWTP

Submission ID. HNZ-ZXPY-YR3ZN
Permit MI0022284
Outfall **48**

Start Day	Start Time	End Day	End Time
5/18/2020	5:30:00 AM	5/22/2020	1:30:00 AM

Rain(in.) = 3.88
Waterbody: Saginaw River

RTB (MG)
121.500

Cause: Heavy Rain

Bay City WWTP

Submission ID. HP1-RKCC-CQNV9
Permit MI0022284
Outfall **48**

Start Day	Start Time	End Day	End Time
8/3/2020	3:00:00 AM	8/3/2020	6:15:00 PM

Rain(in.) = 2.43
Waterbody: Saginaw River

RTB (MG)
9.200

Cause: Heavy Rains

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Totals **Bay City WWTP**

RTB (MG)
209.40

EGLE Action: Long-term Control Program 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.

County Totals **Bay**

RTB (MG)
209.40

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Dickinson

Iron Mountain-Kingsford WWTP

Iron Mountain-Kingsford WWTP

Submission ID. HP0-D6BF-3GWNC
Permit MI0023205
Outfall **2**

Start Day	Start Time	End Day	End Time
6/10/2020	1:15:00 AM	6/10/2020	8:45:00 PM

Rain(in.) = 1.69
Waterbody: Menominee River

RTB (MG)
2.553

Cause: Heavy Rain

Iron Mountain-Kingsford WWTP

Submission ID. HP0-N4KT-DP3CZ
Permit MI0023205
Outfall **2**

Start Day	Start Time	End Day	End Time
6/20/2020	7:00:00 AM	6/20/2020	12:00:00 PM

Rain(in.) = 2.25
Waterbody: Menominee River

RTB (MG)
4.744

Cause: Heavy Rain 2.25"

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Iron Mountain-Kingsford WWTP

Submission ID. HP1-4TYF-W3R27
Permit MI0023205
Outfall **2**

Start Day	Start Time	End Day	End Time
7/10/2020	4:22:00 AM	7/10/2020	5:30:00 AM

Rain(in.) = 0.88
Waterbody: Menominee River

RTB (MG)
0.117

Cause: Heavy Rain

Iron Mountain-Kingsford WWTP

Submission ID. HP1-8D2S-2AHFF
Permit MI0023205
Outfall **2**

Start Day	Start Time	End Day	End Time
7/14/2020	8:42:00 PM	7/15/2020	1:25:00 AM

Rain(in.) = 2.32
Waterbody: Menominee River

RTB (MG)
6.352

Cause: Heavy Rain

Iron Mountain-Kingsford WWTP

Submission ID. HP1-HJA8-NBC7P
Permit MI0023205
Outfall **2**

Start Day	Start Time	End Day	End Time
7/26/2020	12:35:00 PM	7/26/2020	2:30:00 PM

Rain(in.) = 0.91
Waterbody: Menominee River

RTB (MG)
0.337

Cause: 0.91" Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Iron Mountain-Kingsford WWTP

Submission ID. HP2-6BR4-2RE1Q
Permit MI0023205
Outfall **2**

Start Day	Start Time	End Day	End Time
8/21/2020	11:00:00 PM	8/22/2020	1:40:00 AM

Rain(in.) = 1.26
Waterbody: Menominee River

RTB (MG)
1.772

Cause: Heavy Rain

Iron Mountain-Kingsford WWTP

Submission ID. HP3-0GC4-FKBZX
Permit MI0023205
Outfall **2**

Start Day	Start Time	End Day	End Time
9/24/2020	4:18:00 AM	9/24/2020	10:15:00 AM

Rain(in.) = 1.32
Waterbody: Menominee River

RTB (MG)
3.547

Cause: 1.32" rain

Totals Iron Mountain-Kingsford WWTP

RTB (MG)
19.42

EGLE Action: Long-term Control Program 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.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

County Totals	Dickinson

RTB (MG)
19.42

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Houghton

North Houghton Co W&SA CSO

North Houghton Co W&SA CSO

Submission ID. HNY-KYPZ-EK42T
Permit MI0043982
Outfall **1**

Start Day	Start Time	End Day	End Time
3/29/2020	8:30:00 AM	5/7/2020	8:00:00 AM

Waterbody: St Louis Creek

RTB (MG)
29.010

Cause: permitted CSO discharge location, snow melt/ rain; Discharge is treated

North Houghton Co W&SA CSO

Submission ID. HNY-KYYN-DGW3G
Permit MI0043982
Outfall **2**

Start Day	Start Time	End Day	End Time
3/29/2020	10:15:00 AM	5/9/2020	7:30:00 PM

Rain(in.) = 1
Waterbody: Hammel Creek

RTB (MG)
30.210

Cause: Permitted CSO Discharge Location, ; Treated Discharge

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

North Houghton Co W&SA CSO

Submission ID. HP0-JXB6-4ZMSW
Permit MI0043982
Outfall **1**

Start Day	Start Time	End Day	End Time
6/10/2020	4:00:00 AM	6/10/2020	5:00:00 PM

Rain(in.) = 2
Waterbody: St Louis Creek

RTB (MG)
0.000

Cause: Rain event

North Houghton Co W&SA CSO

Submission ID. HP1-XA3K-AHRWW
Permit MI0043982
Outfall **1**

Start Day	Start Time	End Day	End Time
8/9/2020	11:00:00 PM	8/10/2020	1:30:00 AM

Rain(in.) = 1.4
Waterbody: St Louis Creek

RTB (MG)
0.021

Cause: Rain event

North Houghton Co W&SA CSO

Submission ID. HP3-EXYF-YFPWF
Permit MI0043982
Outfall **1**

Start Day	Start Time	End Day	End Time
10/12/2020	3:30:00 PM	10/12/2020	7:00:00 PM

Rain(in.) = 2.3
Waterbody: St Louis Creek

RTB (MG)
0.034

Cause: Treated CSO due to rain event

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Totals **North Houghton Co W&SA CSO**

RTB (MG)
59.27

EGLE Action: Long-term Control Program completed; two existing clarifiers with disinfection and dechlorination; additional work is being conducted (infiltration/inflow reduction) to increase transport capacity to the wastewater treatment plant.

County Totals **Houghton**

RTB (MG)
59.27

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Ingham

East Lansing WRRF

East Lansing WRRF

Submission ID. HNW-PKGQ-4EM7G
Permit MI0022853
Outfall **15**

Start Day	Start Time	End Day	End Time
1/11/2020	5:30:00 AM	1/12/2020	6:00:00 AM

Rain(in.) = 2.29
Waterbody: Red Cedar River

RTB (MG)
15.300

Cause: RTB discharge due to heavy rainfall.

East Lansing WRRF

Submission ID. HNZ-RT9W-Y8YTM
Permit MI0022853
Outfall **15**

Start Day	Start Time	End Day	End Time
5/15/2020	6:00:00 AM	5/15/2020	3:30:00 PM

Rain(in.) = 0.71
Waterbody: Red Cedar River

RTB (MG)
9.110

Cause: RTB discharge due to heavy rain.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

East Lansing WRRF

Submission ID. HNZ-V88H-NY3M2
Permit MI0022853
Outfall **15**

Start Day	Start Time	End Day	End Time
5/18/2020	9:30:00 AM	5/20/2020	4:30:00 PM

Rain(in.) = 2.19
Waterbody: Red Cedar River

RTB (MG)
21.750

Cause: RTB discharge due to rain fall.

East Lansing WRRF

Submission ID. HP2-M0KT-Z1J4Q
Permit MI0022853
Outfall **15**

Start Day	Start Time	End Day	End Time
9/8/2020	7:00:00 AM	9/8/2020	3:30:00 PM

Rain(in.) = 2.25
Waterbody: Red Cedar River

RTB (MG)
10.450

Cause: RTB discharge caused by heavy rain.

Totals East Lansing WRRF

RTB (MG)
56.61

EGLE Action: Long-term Control Program complete; controls included both sewer separation and construction of a retention treatment basin (RTB) and tunnel.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Lansing WWTP

Submission ID. HNZ-VZCD-5SQ1D
Permit MI0023400
Outfall **2**

Start Day	Start Time	End Day	End Time
5/18/2020	9:20:00 PM	5/19/2020	2:15:00 PM

Waterbody: Grand River

RTB (MG)
17.000

Cause: CSO Discharge--North Retention Basin 002. Overflow was due to a heavy rainfall event, which lead to a high influent flow to the plant. Discharge was disinfected with sodium hypochlorite. Only the surface water was impacted.

Totals **Lansing WWTP**

RTB (MG)
17.00

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

County Totals **Ingham**

RTB (MG)
73.61

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Kent

Grand Rapids WRRF

Grand Rapids WRRF

Submission ID. HNZ-W3W3-6WQNJ
Permit MI0026069
Outfall **3**

Start Day	Start Time	End Day	End Time
5/18/2020	4:58:00 PM	5/19/2020	1:45:00 PM

Rain(in.) = 2.32
Waterbody: Grand River

RTB (MG)
7.000

Cause: MARB RTB discharge due to excessive rain

Totals **Grand Rapids WRRF**

RTB (MG)
7.00

VN-010978 will be issued for the failure to make the required notifications and the failure to monitor fecal coliform as required. All other violations not previously cited will be included in the VN.

County Totals **Kent**

RTB (MG)
7.00

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Macomb

Chapaton RTB

Chapaton RTB

Submission ID. HNW-PR1T-VZQCQ
Permit MI0025585 v5.0
Outfall **1**

Start Day	Start Time	End Day	End Time
1/11/2020	10:35:00 AM	1/12/2020	9:32:00 AM

Rain(in.) = 3.01
Waterbody: Lake Saint Clair

RTB (MG)
88.200

Cause: Heavy rainfall overwhelmed the collection system and RTB capacities causing a discharge.

Chapaton RTB

Submission ID. HNY-K56A-913X6
Permit MI0025585
Outfall **1**

Start Day	Start Time	End Day	End Time
3/28/2020	10:25:00 AM	3/29/2020	2:00:00 PM

Rain(in.) = 1.75
Waterbody: Lake St. Clair

RTB (MG)
22.800

Cause: Rainfall overwhelmed the collection system and RTB capacity forcing a discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Chapaton RTB

Submission ID. HNZ-RVD2-1R3P4
Permit MI0025585
Outfall **1**

Start Day	Start Time	End Day	End Time
5/15/2020	8:45:00 AM	5/15/2020	2:40:00 PM

Rain(in.) = 1.09
Waterbody: Lake Saint Clair

RTB (MG)
3.400

Cause: Rainfall overwhelmed the collection system and RTB capacity forcing a discharge into Lake Saint Clair.

Chapaton RTB

Submission ID. HNZ-VP4A-B7R02
Permit MI0025585
Outfall **1**

Start Day	Start Time	End Day	End Time
5/19/2020	12:15:00 AM	5/19/2020	5:24:00 PM

Rain(in.) = 1.41
Waterbody: Lake Saint Clair

RTB (MG)
25.400

Cause: Rainfall overwhelmed the capacity of the collection system and the RTB forcing a discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Chapaton RTB

Submission ID. HP0-TJDS-A0FH0
Permit MI0025585
Outfall **1**

Start Day	Start Time	End Day	End Time
6/27/2020	4:30:00 AM	6/27/2020	7:50:00 AM

Rain(in.) = 1.44
Waterbody: Lake Saint Clair

RTB (MG)
1.800

Cause: Collection system and RTB capacity were overwhelmed by rainfall forcing a permitted, treated discharge.

Chapaton RTB

Submission ID. HP1-5DCS-CHSDB
Permit MI0025585
Outfall **1**

Start Day	Start Time	End Day	End Time
7/11/2020	12:00:00 AM	7/11/2020	5:35:00 AM

Rain(in.) = 2.13
Waterbody: Lake Saint Clair

RTB (MG)
26.800

Cause: Heavy rain overwhelmed the collection system and RTB capacity forcing a discharge.

Chapaton RTB

Submission ID. DataFix2
Permit MI0025585
Outfall **1**

Start Day	Start Time	End Day	End Time
8/2/2020	1:35:00 PM	8/2/2020	6:15:00 PM

Rain(in.) = 2
Waterbody: Lake St. Clair

RTB (MG)
2.500

Cause: Rain and runoff

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Chapaton RTB

Submission ID. HP2-BC1D-YX0S8
Permit MI0025585
Outfall **1**

Start Day	Start Time	End Day	End Time
8/28/2020	8:50:00 AM	8/28/2020	5:00:00 PM

Rain(in.) = 1.86
Waterbody: Lake St. Clair

RTB (MG)
5.600

Cause: Heavy downpours of rain overwhelmed the collection system and RTB capacity forcing a treated discharge.

Totals **Chapaton RTB**

RTB (MG)
176.50

EGLE Action: 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. 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
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Martin RTB

Martin RTB

Submission ID. HNW-PQS3-DCJHQ
Permit MI0025453
Outfall **1**

Start Day	Start Time	End Day	End Time
1/11/2020	10:20:00 AM	1/13/2020	12:25:00 AM

Rain(in.) = 2.88
Waterbody: Lake Saint Clair

RTB (MG)
102.600

Cause: A large storm system dropped heavy, abnormal rainfall across the drainage district. The collection system and RTB capacities were overwhelmed, causing a discharge.

Martin RTB

Submission ID. HNX-1R2J-A0DMW
Permit MI0025453
Outfall **1**

Start Day	Start Time	End Day	End Time
1/25/2020	12:15:00 PM	1/26/2020	2:35:00 AM

Rain(in.) = 0.67
Waterbody: Lake St. Clair

RTB (MG)
19.700

Cause: An extended period of moderate rain and snowmelt resulted in the overwhelming of the collection system and RTB capacity, causing a discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Martin RTB

Submission ID. HNY-K51M-QNNVD
Permit MI0025453
Outfall **1**

Start Day	Start Time	End Day	End Time
3/28/2020	9:25:00 AM	3/29/2020	4:30:00 PM

Rain(in.) = 1.58
Waterbody: Lake St. Clair

RTB (MG)
57.400

Cause: Rainfall overwhelmed the collection system and RTB capacity forcing a discharge.

Martin RTB

Submission ID. HNZ-RV5E-J23RA
Permit MI0025453
Outfall **1**

Start Day	Start Time	End Day	End Time
5/15/2020	8:25:00 AM	5/15/2020	4:17:00 PM

Rain(in.) = 0.94
Waterbody: Lake Saint Clair

RTB (MG)
10.900

Cause: Rainfall overwhelmed the capacity of the collection system and RTB forcing a discharge.

Martin RTB

Submission ID. HNZ-VP03-J3V9H
Permit MI0025453
Outfall **1**

Start Day	Start Time	End Day	End Time
5/18/2020	10:50:00 PM	5/20/2020	1:23:00 AM

Rain(in.) = 1.38
Waterbody: Lake Saint Clair

RTB (MG)
50.400

Cause: Rainfall overwhelmed the capacity of the collection system and RTB forcing a discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Martin RTB

Submission ID. HP1-5DK8-0TXKT
Permit MI0025453
Outfall **1**

Start Day	Start Time	End Day	End Time
7/11/2020	12:15:00 AM	7/11/2020	11:50:00 AM

Rain(in.) = 2.67
Waterbody: Lake Saint Clair

RTB (MG)
26.200

Cause: Heavy rain overwhelmed the collection system and RTB capacity forcing a discharge.

Martin RTB

Submission ID. HP1-Q2K2-917F2
Permit MI0025453
Outfall **1**

Start Day	Start Time	End Day	End Time
8/2/2020	1:20:00 PM	8/2/2020	8:40:00 PM

Rain(in.) = 2.01
Waterbody: Lake St. Clair

RTB (MG)
7.500

Cause: Rain and runoff

Martin RTB

Submission ID. HP2-BBX5-F7ZQC
Permit MI0025453
Outfall **1**

Start Day	Start Time	End Day	End Time
8/28/2020	7:50:00 AM	8/29/2020	7:00:00 AM

Rain(in.) = 2.72
Waterbody: Lake Saint Clair

RTB (MG)
28.200

Cause: Heavy downpours of rain overwhelmed the collection system and RTB capacity forcing a treated discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Totals **Martin RTB**

RTB (MG)
302.90

EGLE Action: 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.

County Totals **Macomb**

RTB (MG)
479.40

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Oakland

Birmingham CSO RTB

Birmingham CSO RTB

Submission ID. HNP-EE3T-AB57G
Permit MI0025534
Outfall **101**

Start Day	Start Time	End Day	End Time	Rain(in.) = 2.96
1/11/2020	10:30:00 AM	1/13/2020	5:03:00 AM	Waterbody: Rouge River

RTB (MG)
31.910

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

Birmingham CSO RTB

Submission ID. HNW-TKCG-HVR0R
Permit MI0025534
Outfall **101**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.8
3/29/2020	2:00:00 AM	3/29/2020	8:15:00 PM	Waterbody: Rouge River

RTB (MG)
15.820

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Birmingham CSO RTB

Submission ID. HNY-PBDC-S9JMK
Permit MI0025534
Outfall **101**

Start Day	Start Time	End Day	End Time
5/18/2020	10:16:00 PM	5/20/2020	3:20:00 AM

Rain(in.) = 1.76
Waterbody: Rouge River

RTB (MG)
19.770

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

Birmingham CSO RTB

Submission ID. HNZ-XJN0-ZW76H
Permit MI0025534
Outfall **101**

Start Day	Start Time	End Day	End Time
8/2/2020	9:23:00 AM	8/2/2020	7:15:00 PM

Rain(in.) = 2.22
Waterbody: Rouge River

RTB (MG)
3.303

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Birmingham CSO RTB

Submission ID. HP1-T07J-FB4EH
Permit MI0025534
Outfall **101**

Start Day	Start Time	End Day	End Time
8/28/2020	6:05:00 AM	8/29/2020	4:35:00 AM

Rain(in.) = 5.42
Waterbody: Rouge River

RTB (MG)
6.150

Cause: A Permitted Treated Discharge has occurred due to rainfall and surcharged sewer levels. This discharge has been screened, settled and disinfected in order to meet all NPDES permit requirements.

Totals **Birmingham CSO RTB**

RTB (MG)
76.95

EGLE Action: 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).

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Bloomfield Village CSO RTB

Bloomfield Village CSO RTB

Submission ID. HNP-EE0A-5S9YY
Permit MI0048046
Outfall **102**

Start Day	Start Time	End Day	End Time
1/11/2020	10:09:00 AM	1/12/2020	11:30:00 PM

Rain(in.) = 2.96
Waterbody: Rouge River

RTB (MG)
17.500

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

Bloomfield Village CSO RTB

Submission ID. HNW-TJYV-QYVX7
Permit MI0048046
Outfall **102**

Start Day	Start Time	End Day	End Time
3/28/2020	1:45:00 PM	3/30/2020	1:40:00 AM

Rain(in.) = 1.8
Waterbody: Rouge River

RTB (MG)
6.850

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Bloomfield Village CSO RTB

Submission ID. HNZ-RS0B-NSB7D
Permit MI0048046
Outfall **102**

Start Day	Start Time	End Day	End Time
5/18/2020	9:53:00 PM	5/19/2020	11:20:00 PM

Rain(in.) = 1.76
Waterbody: Rouge River

RTB (MG)
8.960

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

Bloomfield Village CSO RTB

Submission ID. HNZ-XJKH-N8JZ5
Permit MI0048046
Outfall **102**

Start Day	Start Time	End Day	End Time
8/2/2020	9:55:00 AM	8/2/2020	3:35:00 PM

Rain(in.) = 2.22
Waterbody: Rouge River

RTB (MG)
2.970

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Bloomfield Village CSO RTB

Submission ID. HP1-T007-RZ3N4
Permit MI0048046
Outfall **102**

Start Day	Start Time	End Day	End Time
8/28/2020	6:00:00 AM	8/28/2020	7:00:00 PM

Rain(in.) = 5.42
Waterbody: Rouge River

RTB (MG)
9.300

Cause: A Permitted Treated Discharge has occurred due to rainfall and surcharged sewer levels. This discharge has been screened, settled and disinfected in order to meet all NPDES permit requirements.

Totals **Bloomfield Village CSO RTB**

RTB (MG)
45.58

EGLE Action: Long-term Control Program 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
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

George W Kuhn Dr Dist CSO RTB

George W Kuhn Dr Dist CSO RTB

Submission ID. HNW-D89D-5DGVX
Permit MI0026115
Outfall **1**

Start Day	Start Time	End Day	End Time
1/11/2020	8:37:00 AM	1/12/2020	9:18:00 AM

Rain(in.) = 2.68
Waterbody: Red Run Drain

RTB (MG)
765.690

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

George W Kuhn Dr Dist CSO RTB

Submission ID. HNW-D89D-5DGVX
Permit MI0026115
Outfall **1**

Start Day	Start Time	End Day	End Time
1/12/2020	12:52:00 AM	1/12/2020	5:52:00 PM

Rain(in.) = 2.68
Waterbody: Red Run Drain

RTB (MG)
8.640

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

George W Kuhn Dr Dist CSO RTB

Submission ID. HNW-TK41-V0YQ4
Permit MI0026115
Outfall **1**

Start Day	Start Time	End Day	End Time
3/28/2020	8:27:00 AM	3/29/2020	2:10:00 PM

Rain(in.) = 1.6
Waterbody: Red Run Drain

RTB (MG)
196.130

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

George W Kuhn Dr Dist CSO RTB

Submission ID. HNY-NDXD-DM0NS
Permit MI0026115
Outfall **1**

Start Day	Start Time	End Day	End Time
5/15/2020	6:50:00 AM	5/15/2020	11:45:00 AM

Rain(in.) = 1.36
Waterbody: Red Run Drain

RTB (MG)
41.460

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

George W Kuhn Dr Dist CSO RTB

Submission ID. HNZ-RS35-M0GSV
Permit MI0026115
Outfall **1**

Start Day	Start Time	End Day	End Time
5/18/2020	7:40:00 PM	5/19/2020	3:30:00 PM

Rain(in.) = 1.27
Waterbody: Red Run Drain

RTB (MG)
149.560

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

George W Kuhn Dr Dist CSO RTB

Submission ID. HNZ-XH2B-BZ06Z
Permit MI0026115
Outfall **1**

Start Day	Start Time	End Day	End Time
6/27/2020	4:00:00 AM	6/27/2020	5:50:00 AM

Rain(in.) = 0.86
Waterbody: Red Run Drain

RTB (MG)
3.800

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

George W Kuhn Dr Dist CSO RTB

Submission ID. HP0-WAF6-AZ2NT
Permit MI0026115
Outfall **1**

Start Day	Start Time	End Day	End Time
7/10/2020	10:44:00 PM	7/11/2020	5:08:00 AM

Rain(in.) = 3.08
Waterbody: Red Run Drain

RTB (MG)
374.330

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

George W Kuhn Dr Dist CSO RTB

Submission ID. HP1-77RP-F6Z0Y
Permit MI0026115
Outfall **1**

Start Day	Start Time	End Day	End Time
8/2/2020	7:54:00 AM	8/2/2020	3:30:00 PM

Rain(in.) = 1.41
Waterbody: Red Run Drain

RTB (MG)
126.150

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

George W Kuhn Dr Dist CSO RTB

Submission ID. HP1-SZFY-P8957
Permit MI0026115
Outfall **1**

Start Day	Start Time	End Day	End Time
8/28/2020	6:26:00 AM	8/29/2020	5:35:00 AM

Rain(in.) = 3.53
Waterbody: Red Run Drain

RTB (MG)
637.600

Cause: A Permitted Treated Discharge has occurred due to rainfall and surcharged sewer levels. This discharge has been fine screened, settled, and disinfected in an attempt to meet NPDES permitted requirements.

Totals **George W Kuhn Dr Dist CSO RTB**

RTB (MG)
2303.36

EGLE Action: Long-term Control Program 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
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Oakland Co-Acacia Park CSO RTB

Oakland Co-Acacia Park CSO RTB

Submission ID. HNQ-K5C5-ZNSZS
Permit MI0037427
Outfall **103**

Start Day	Start Time	End Day	End Time
1/11/2020	9:00:00 AM	1/12/2020	9:00:00 AM

Rain(in.) = 2.96
Waterbody: Rouge River

RTB (MG)
20.400

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

Oakland Co-Acacia Park CSO RTB

Submission ID. HNW-TK9D-2DFH5
Permit MI0037427
Outfall **103**

Start Day	Start Time	End Day	End Time
3/28/2020	9:10:00 AM	3/29/2020	2:50:00 PM

Rain(in.) = 1.8
Waterbody: Rouge River

RTB (MG)
11.390

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Oakland Co-Acacia Park CSO RTB

Submission ID. HNY-NF01-JCAYW
Permit MI0037427
Outfall **103**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.76
5/18/2020	5:40:00 PM	5/19/2020	6:30:00 PM	Waterbody: Rouge River

RTB (MG)
13.310

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

Oakland Co-Acacia Park CSO RTB

Submission ID. HNZ-XHK4-4PTS0
Permit MI0037427
Outfall **103**

Start Day	Start Time	End Day	End Time	Rain(in.) = 2.22
8/2/2020	7:13:00 AM	8/2/2020	1:40:00 PM	Waterbody: Rouge River

RTB (MG)
3.900

Cause: A Permitted Treated Discharge (PTD) has occurred resulting from rainfall and surcharged sewer levels. To minimize the amount of pollutants discharged, floatables and solids are removed, and all flow is fine-screened, settled and disinfected.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Oakland Co-Acacia Park CSO RTB

Submission ID. HP1-SZP8-0GZMJ
Permit MI0037427
Outfall **103**

Start Day	Start Time	End Day	End Time
8/28/2020	5:53:00 AM	8/29/2020	5:00:00 AM

Rain(in.) = 5.42
Waterbody: Rouge River

RTB (MG)
27.390

Cause: A Permitted Treated Discharge has occurred due to rainfall and surcharged sewer levels. This discharge has been screened, settled and disinfected in order to meet all NPDES permit requirements.

Totals **Oakland Co-Acacia Park CSO RTB**

RTB (MG)
76.39

EGLE Action: Long-term Control Program 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.

County Totals **Oakland**

RTB (MG)
2502.28

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw

Saginaw Twp WWTP

Saginaw Twp WWTP

Submission ID. HNW-YGCD-VEV16
Permit MI0023973
Outfall **3**

Start Day	Start Time	End Day	End Time
1/11/2020	7:00:00 AM	1/17/2020	8:00:00 AM

Rain(in.) = 1.98
Waterbody: Tittabawasee River

RTB (MG)
29.399

Cause: discharge from center road retention basin due to rain

Saginaw Twp WWTP

Submission ID. HNX-5H7N-P8BXA
Permit MI0023973
Outfall **3**

Start Day	Start Time	End Day	End Time
1/25/2020	1:30:00 PM	1/29/2020	4:00:00 PM

Rain(in.) = 0.54
Waterbody: Tittabawasee River

RTB (MG)
18.900

Cause: Discharge from Center Road Retention Basin due to rain and melting snow

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw Twp WWTP

Submission ID. HNY-P93D-XG7FP
Permit MI0023973
Outfall **3**

Start Day	Start Time	End Day	End Time
3/29/2020	2:30:00 AM	4/1/2020	7:45:00 AM

Rain(in.) = 1.18
Waterbody: Tittabawasee River

RTB (MG)
16.202

Cause: discharge from center road retention basin due to rain

Saginaw Twp WWTP

Submission ID. HP0-1FSW-S30XZ
Permit MI0023973
Outfall **3**

Start Day	Start Time	End Day	End Time
5/17/2020	11:20:00 PM	5/24/2020	11:00:00 PM

Rain(in.) = 5.01
Waterbody: Tittabawasee River

RTB (MG)
181.283

Cause: discharge due to 5.0 inches rain and river flooding

Saginaw Twp WWTP

Submission ID. HP0-E3BB-FAYQ5
Permit MI0023973
Outfall **3**

Start Day	Start Time	End Day	End Time
6/10/2020	5:00:00 PM	6/11/2020	8:00:00 AM

Rain(in.) = 1.61
Waterbody: Tittabawasee River

RTB (MG)
3.233

Cause: discharge from center road retention basin due to rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Totals **Saginaw Twp WWTP**

RTB (MG)
249.02

EGLE Action: Long-term Control Program complete; existing retention/treatment basin provides adequate treatment to meet Water Quality Standards at times of discharge.

Saginaw WWTP

Saginaw WWTP

Submission ID. HNW-PM7H-N1EAC
Permit MI0025577
Outfall **R04**

Start Day	Start Time	End Day	End Time
1/11/2020	6:58:00 AM	1/11/2020	8:22:00 PM

Rain(in.) = 1.54
Waterbody: Saginaw River

RTB (MG)
12.600

Cause: Treated RTB discharge due to over an inch of rainfall. Discharged waters had floatable and settleable solids removed and were disinfected with chlorine prior to discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HNW-PM7H-N1EAC
Permit MI0025577
Outfall **R07**

Start Day	Start Time	End Day	End Time
1/11/2020	7:33:00 AM	1/12/2020	12:12:00 AM

Rain(in.) = 1.54
Waterbody: Saginaw River

RTB (MG)
12.660

Cause: Treated RTB discharge due to over an inch of rainfall. Discharged waters had floatable and settleable solids removed and were disinfected with chlorine prior to discharge.

Saginaw WWTP

Submission ID. HNW-PM7H-N1EAC
Permit MI0025577
Outfall **R03**

Start Day	Start Time	End Day	End Time
1/11/2020	7:39:00 AM	1/12/2020	8:39:00 AM

Rain(in.) = 1.54
Waterbody: Saginaw River

RTB (MG)
46.200

Cause: Treated RTB discharge due to over an inch of rainfall. Discharged waters had floatable and settleable solids removed and were disinfected with chlorine prior to discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HNW-PM7H-N1EAC
Permit MI0025577
Outfall **R06**

Start Day	Start Time	End Day	End Time
1/11/2020	8:22:00 AM	1/11/2020	10:27:00 AM

Rain(in.) = 1.54
Waterbody: Saginaw River

RTB (MG)
4.450

Cause: Treated RTB discharge due to over an inch of rainfall. Discharged waters had floatable and settleable solids removed and were disinfected with chlorine prior to discharge.

Saginaw WWTP

Submission ID. HNW-PM7H-N1EAC
Permit MI0025577
Outfall **R37**

Start Day	Start Time	End Day	End Time
1/11/2020	8:44:00 AM	1/11/2020	1:28:00 PM

Rain(in.) = 1.54
Waterbody: Saginaw River

RTB (MG)
1.250

Cause: Treated RTB discharge due to over an inch of rainfall. Discharged waters had floatable and settleable solids removed and were disinfected with chlorine prior to discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HNW-PM7H-N1EAC
Permit MI0025577
Outfall **R05**

Start Day	Start Time	End Day	End Time
1/11/2020	9:01:00 AM	1/11/2020	3:01:00 PM

Rain(in.) = 1.54
Waterbody: Saginaw River

RTB (MG)
1.720

Cause: Treated RTB discharge due to over an inch of rainfall. Discharged waters had floatable and settleable solids removed and were disinfected with chlorine prior to discharge.

Saginaw WWTP

Submission ID. HNY-KREN-46HK0
Permit MI0025577
Outfall **R03**

Start Day	Start Time	End Day	End Time
3/29/2020	2:40:00 AM	3/29/2020	3:20:00 PM

Rain(in.) = 1.39
Waterbody: Saginaw River

RTB (MG)
25.680

Cause: RTB discharged due to heavy rains and overwhelmed sewer capacities. Over one inch of rained, received during this event.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HNY-KREN-46HK0
Permit MI0025577
Outfall **R04**

Start Day	Start Time	End Day	End Time
3/29/2020	3:58:00 AM	3/29/2020	8:47:00 AM

Rain(in.) = 1.39
Waterbody: Saginaw River

RTB (MG)
2.120

Cause: RTB discharged due to heavy rains and overwhelmed sewer capacities. Over one inch of rained, received during this event.

Saginaw WWTP

Submission ID. HNZ-C606-YBCDF
Permit MI0025577
Outfall **R03**

Start Day	Start Time	End Day	End Time
4/29/2020	6:15:00 AM	4/29/2020	9:32:00 AM

Rain(in.) = 1.43
Waterbody: Saginaw River

RTB (MG)
4.790

Cause: Discharged waters have settleable and floatable solids removed, and are disinfected with chlorine, prior to discharge. Discharge was result of over an inch of rain in <12 hours.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HNZ-V18X-E13XK
Permit MI0025577
Outfall **R07**

Start Day	Start Time	End Day	End Time
5/18/2020	1:35:00 AM	5/20/2020	2:45:00 PM

Rain(in.) = 3.9
Waterbody: Saginaw River

RTB (MG)
60.660

Cause: Received over an inch and a half of rain, so far, in less than a 24 hour period.

Saginaw WWTP

Submission ID. HNZ-V18X-E13XK
Permit MI0025577
Outfall **R03**

Start Day	Start Time	End Day	End Time
5/18/2020	2:20:00 AM	5/20/2020	2:49:00 PM

Rain(in.) = 3.9
Waterbody: Saginaw River

RTB (MG)
182.690

Cause: Received over an inch and a half of rain, so far, in less than a 24 hour period.

Saginaw WWTP

Submission ID. HNZ-V18X-E13XK
Permit MI0025577
Outfall **R04**

Start Day	Start Time	End Day	End Time
5/18/2020	3:50:00 AM	5/19/2020	5:55:00 PM

Rain(in.) = 3.9
Waterbody: Saginaw River

RTB (MG)
67.570

Cause: Received over an inch and a half of rain, so far, in less than a 24 hour period.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HNZ-V18X-E13XK
Permit MI0025577
Outfall **R05**

Start Day	Start Time	End Day	End Time
5/18/2020	5:44:00 AM	5/19/2020	2:15:00 PM

Rain(in.) = 3.9
Waterbody: Saginaw River

RTB (MG)
33.360

Cause: Received over an inch and a half of rain, so far, in less than a 24 hour period.

Saginaw WWTP

Submission ID. HNZ-V18X-E13XK
Permit MI0025577
Outfall **R37**

Start Day	Start Time	End Day	End Time
5/18/2020	5:45:00 AM	5/19/2020	6:29:00 AM

Rain(in.) = 3.9
Waterbody: Saginaw River

RTB (MG)
25.000

Cause: Received over an inch and a half of rain, so far, in less than a 24 hour period.

Saginaw WWTP

Submission ID. HNZ-V18X-E13XK
Permit MI0025577
Outfall **R06**

Start Day	Start Time	End Day	End Time
5/18/2020	6:20:00 AM	5/19/2020	4:13:00 PM

Rain(in.) = 3.9
Waterbody: Saginaw River

RTB (MG)
24.740

Cause: Received over an inch and a half of rain, so far, in less than a 24 hour period.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HNZ-V18X-E13XK
Permit MI0025577
Outfall **R11**

Start Day	Start Time	End Day	End Time	Rain(in.) = 3.9
5/18/2020	6:34:00 AM	5/19/2020	2:36:00 PM	Waterbody: Saginaw River

RTB (MG)
3.530

Cause: Received over an inch and a half of rain, so far, in less than a 24 hour period.

Saginaw WWTP

Submission ID. HP0-DJQ0-9DRKT
Permit MI0025577
Outfall **R04**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.96
6/10/2020	3:55:00 PM	6/10/2020	8:35:00 PM	Waterbody: Saginaw River

RTB (MG)
13.250

Cause: RTB discharge, of partially treated water, was discharged due to rain totals approaching 2 inches. Water had floatable and settleable solids removed and was chlorinated prior to discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HP0-DJQ0-9DRKT
Permit MI0025577
Outfall **R11**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.96
6/10/2020	4:05:00 PM	6/10/2020	5:20:00 PM	Waterbody: Saginaw River

RTB (MG)
0.850

Cause: RTB discharge, of partially treated water, was discharged due to rain totals approaching 2 inches. Water had floatable and settleable solids removed and was chlorinated prior to discharge.

Saginaw WWTP

Submission ID. HP0-DJQ0-9DRKT
Permit MI0025577
Outfall **R37**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.96
6/10/2020	4:07:00 PM	6/10/2020	7:28:00 PM	Waterbody: Saginaw River

RTB (MG)
5.270

Cause: RTB discharge, of partially treated water, was discharged due to rain totals approaching 2 inches. Water had floatable and settleable solids removed and was chlorinated prior to discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HP0-DJQ0-9DRKT
Permit MI0025577
Outfall **R03**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.96
6/10/2020	4:08:00 PM	6/10/2020	11:02:00 PM	Waterbody: Saginaw River

RTB (MG)
37.070

Cause: RTB discharge, of partially treated water, was discharged due to rain totals approaching 2 inches. Water had floatable and settleable solids removed and was chlorinated prior to discharge.

Saginaw WWTP

Submission ID. HP0-DJQ0-9DRKT
Permit MI0025577
Outfall **R06**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.96
6/10/2020	4:14:00 PM	6/10/2020	6:32:00 PM	Waterbody: Saginaw River

RTB (MG)
8.060

Cause: RTB discharge, of partially treated water, was discharged due to rain totals approaching 2 inches. Water had floatable and settleable solids removed and was chlorinated prior to discharge.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HP1-C289-X0FB9
Permit MI0025577
Outfall **R07**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.16
7/19/2020	11:40:00 AM	7/19/2020	12:54:00 PM	Waterbody: Saginaw River

RTB (MG)
0.300

Cause: Discharge was due to over an inch of rainfall in a short period of time. Discharged waters had floatable and settleable solids and trash removed and were disinfected with chlorine prior to discharge.

Saginaw WWTP

Submission ID. HP4-YVZB-CD8VM
Permit MI0025577
Outfall **R07**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.76
12/12/2020	12:15:00 PM	12/12/2020	1:50:00 PM	Waterbody: Saginaw River

RTB (MG)
0.900

Cause: Rains in excess of 1.66 inches in a 12 hour period, overwhelmed interceptor, flowed into the RTB, and subsequently discharged to the river. Discharged waters from RTB had floatable and settleable solids removed and was disinfected with chlorine prior to

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Saginaw WWTP

Submission ID. HP4-YVZB-CD8VM
Permit MI0025577
Outfall **R03**

Start Day	Start Time	End Day	End Time
12/12/2020	12:41:00 PM	12/12/2020	8:05:00 PM

Rain(in.) = 1.76
Waterbody: Saginaw River

RTB (MG)
19.640

Cause: Rains in excess of 1.66 inches in a 12 hour period, overwhelmed interceptor, flowed into the RTB, and subsequently discharged to the river. Discharged waters from RTB had floatable and settleable solids removed and was disinfected with chlorine prior to

Totals Saginaw WWTP

RTB (MG)
594.36

The permittee has implemented a EGLE Action: 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.

County Totals Saginaw

RTB (MG)
843.38

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Wayne

Dearborn CSO

Dearborn CSO

Submission ID. HNW-PPTZ-F40SN
Permit MI0025542
Outfall **117**

Start Day	Start Time	End Day	End Time	Rain(in.) = 2.48
1/11/2020	10:05:00 AM	1/12/2020	4:50:00 AM	Waterbody: Rouge River

RTB (MG)
77.760

Cause: This is an RTB discharge due to the high volume of rain water in the combined sewers causing levels to crest weir walls.

Dearborn CSO

Submission ID. HNW-QGVR-HRRFW
Permit MI0025542
Outfall **106**

Start Day	Start Time	End Day	End Time	Rain(in.) = 2.87
1/11/2020	12:20:00 PM	1/12/2020	5:15:00 AM	Waterbody: River Rouge

RTB (MG)
5.240

Cause: RTB facility screens and treats combined sewer system. Due to the high volumes of rain, the facility discharged to the river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNW-QGVR-HRRFW
Permit MI0025542
Outfall **108**

Start Day	Start Time	End Day	End Time
1/11/2020	3:45:00 PM	1/12/2020	2:00:00 AM

Rain(in.) = 2.87
Waterbody: River Rouge

RTB (MG)
0.840

Cause: RTB facility screens and treats combined sewer system. Due to the high volumes of rain, the facility discharged to the river.

Dearborn CSO

Submission ID. HNY-K29F-QQERX
Permit MI0025542
Outfall **117**

Start Day	Start Time	End Day	End Time
3/28/2020	7:20:00 AM	3/29/2020	8:15:00 AM

Rain(in.) = 1.81
Waterbody: Rouge River

RTB (MG)
34.420

Cause: rain fall caused combined sewers to flow into CSO treatment facility. facility operated normal per permit. due to large volume of rain, treatment facility over flowed storage capacity and flowed RTB treated water into river per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNY-KQ9B-BCXG9
Permit MI0025542
Outfall **106**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.89
3/29/2020	1:23:00 AM	3/29/2020	3:25:00 AM	Waterbody: Rouge River

RTB (MG)
0.500

Cause: rain water caused combined sewer to overflow into RTB facility. after reaching facilities maximum capacity combined storm/sewerage water discharged into river, per permit.

Dearborn CSO

Submission ID. HNZ-VJY5-KB7Z4
Permit MI0025542
Outfall **117**

Start Day	Start Time	End Day	End Time	Rain(in.) = 1.84
5/18/2020	9:10:00 PM	5/19/2020	4:57:00 AM	Waterbody: Rouge River

RTB (MG)
33.330

Cause: RTB facility screens and treats combined sewer system. Due to high volumes of rain, the facility discharged to river.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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Dearborn CSO

Submission ID. HP0-TAZN-W63VC
Permit MI0025542
Outfall **117**

Start Day	Start Time	End Day	End Time
6/27/2020	12:15:00 AM	6/27/2020	6:15:00 AM

Rain(in.) = 1.68
Waterbody: Rouge River

RTB (MG)
38.420

Cause: Rain fall volume in combined sewers exceeded holding capacity of Prospect-117 RTB site. Effluent volumes were screened and disinfected per permit.

Dearborn CSO

Submission ID. HP1-5A21-EEEXV
Permit MI0025542
Outfall **117**

Start Day	Start Time	End Day	End Time
7/10/2020	11:05:00 PM	7/11/2020	1:47:00 AM

Rain(in.) = 1.28
Waterbody: Rouge River

RTB (MG)
6.320

Cause: Rain water in combined sewers crested weir walls and then was screened and treated with chlorine before spilling to river through RTB.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-C41B-6FKBS
Permit MI0025542
Outfall **117**

Start Day	Start Time	End Day	End Time
7/19/2020	3:00:00 PM	7/19/2020	5:10:00 PM

Rain(in.) = 0.96
Waterbody: Rouge River

RTB (MG)
5.160

Cause: Rain water in combined sewers caused levels to crest weir walls and flow through RTB for screening and treatment.

Dearborn CSO

Submission ID. HP1-PYX7-R1K6P
Permit MI0025542
Outfall **117**

Start Day	Start Time	End Day	End Time
8/2/2020	6:48:00 AM	8/2/2020	4:00:00 PM

Rain(in.) = 1.6
Waterbody: Rouge River

RTB (MG)
13.350

Cause: rain water exceed storage capacity of RTB facility.

Dearborn CSO

Submission ID. HP2-B7XX-FV2HW
Permit MI0025542
Outfall **117**

Start Day	Start Time	End Day	End Time
8/28/2020	5:00:00 AM	8/29/2020	7:00:00 AM

Rain(in.) = 4.12
Waterbody: Rouge River

RTB (MG)
110.460

Cause: Rain fall exceeded storage capacity of RTB facility and discharged into the Rouge River. Discharge was screened and disinfected per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-B9N0-NFN6Q
Permit MI0025542
Outfall **108**

Start Day	Start Time	End Day	End Time
8/28/2020	7:25:00 AM	8/28/2020	3:00:00 PM

Rain(in.) = 3.87
Waterbody: Rouge River

RTB (MG)
5.630

Cause: Rain fall caused facility to overflow holding capacity and discharge to the river, per permit. Discharge was screened and disinfected.

Dearborn CSO

Submission ID. HP2-BAAQ-959PQ
Permit MI0025542
Outfall **106**

Start Day	Start Time	End Day	End Time
8/28/2020	7:45:00 AM	8/28/2020	3:40:00 PM

Rain(in.) = 3.87
Waterbody: Rouge River

RTB (MG)
5.790

Cause: Rain fall volumes exceeded the holding capacity of the CSO facility, thus causing the facility to discharge to the Rouge River. Discharge was screened and disinfected per permit.

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-M5NT-TB4TE
Permit MI0025542
Outfall **117**

Start Day	Start Time	End Day	End Time
9/7/2020	4:05:00 AM	9/8/2020	5:10:00 PM

Rain(in.) = 2.58
Waterbody: Rouge River

RTB (MG)
49.560

Cause: Due to heavy rain conditions, combined sewers exceeded storage capacity of RTB facility. Discharge was screened and disinfected per permit.

Totals **Dearborn CSO**

RTB (MG)
386.78

EGLE Action: Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modified LTCP (and NPDES permit), to extend the construction schedule due to economic hardship. The modified LTCP will 1) correct existing construction issues with some shafts by using sewer separation and/or reconfigured use of shafts, and 2) revise some of the additional shaft projects to sewer separation projects. The Department approved the City's request and issued a schedule 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
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

GLWA WRRF

Submission ID. HNW-PED3-HX349

Outfall **49**

Start Day	Start Time	End Day	End Time
1/11/2020	12:29:00 AM	1/14/2020	10:31:00 PM

Rain(in.) = 2.27

Waterbody: Detroit River

RTB (MG)

1711.600

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Outfall **101**

Start Day	Start Time	End Day	End Time
1/11/2020	9:30:00 AM	1/13/2020	8:05:00 AM

Rain(in.) = 2.27

Waterbody: Rouge River

RTB (MG)

1983.600

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Outfall **50**

Start Day	Start Time	End Day	End Time
1/11/2020	9:31:00 AM	1/12/2020	9:25:00 AM

Rain(in.) = 2.27

Waterbody: Rouge River

RTB (MG)

245.200

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	9:50:00 AM	1/14/2020	8:40:00 PM

Rain(in.) = 2.27

Waterbody: Detroit River

Outfall **104**

RTB (MG)

1281.100

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:15:00 AM	1/12/2020	3:40:00 AM

Rain(in.) = 2.27

Waterbody: Detroit River

Outfall **108**

RTB (MG)

5.400

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:20:00 AM	1/11/2020	3:52:00 PM

Rain(in.) = 2.27

Waterbody: Detroit River

Outfall **106**

RTB (MG)

0.500

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:45:00 AM	1/11/2020	6:10:00 PM

Rain(in.) = 2.27

Waterbody: Detroit River

Outfall **105**

RTB (MG)

99.400

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	10:45:00 AM	1/14/2020	7:00:00 AM

Rain(in.) = 2.27

Waterbody: Rouge River

Outfall **107**

RTB (MG)

428.500

Cause: Rain

GLWA WRRF

Submission ID. HNW-PED3-HX349

Start Day	Start Time	End Day	End Time
1/11/2020	11:30:00 AM	1/14/2020	7:30:00 AM

Rain(in.) = 2.27

Waterbody: Rouge River

Outfall **109**

RTB (MG)

109.400

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNX-115Y-WY1QD

Start Day	Start Time	End Day	End Time
1/24/2020	2:55:00 PM	1/27/2020	11:54:00 PM

Rain(in.) = 0.56

Waterbody: Detroit River

Outfall **49**

RTB (MG)

1094.800

Cause: Rain

GLWA WRRF

Submission ID. HNX-115Y-WY1QD

Start Day	Start Time	End Day	End Time
1/25/2020	12:40:00 AM	1/27/2020	6:30:00 AM

Rain(in.) = 0.56

Waterbody: Detroit River

Outfall **104**

RTB (MG)

303.300

Cause: Rain

GLWA WRRF

Submission ID. HNX-115Y-WY1QD

Start Day	Start Time	End Day	End Time
1/25/2020	8:30:00 PM	1/26/2020	4:10:00 PM

Rain(in.) = 0.56

Waterbody: Rouge River

Outfall **109**

RTB (MG)

16.500

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-BN95-PQEEX

Start Day	Start Time	End Day	End Time
3/18/2020	8:34:00 PM	3/19/2020	5:41:00 AM

Rain(in.) = 0.8

Waterbody: Detroit River

Outfall **49**

RTB (MG)

35.400

Cause: Rain

GLWA WRRF

Submission ID. HNY-TCAR-EYA9W

Start Day	Start Time	End Day	End Time
3/28/2020	5:40:00 AM	3/31/2020	10:55:00 PM

Rain(in.) = 2.03

Waterbody: Detroit River

Outfall **49**

RTB (MG)

1435.900

Cause: Rain

GLWA WRRF

Submission ID. HNY-TCAR-EYA9W

Start Day	Start Time	End Day	End Time
3/28/2020	6:40:00 AM	3/28/2020	9:10:00 PM

Rain(in.) = 2.03

Waterbody: Rouge River

Outfall **50**

RTB (MG)

134.500

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-TCAR-EYA9W

Start Day	Start Time	End Day	End Time
3/28/2020	7:06:00 AM	3/29/2020	4:50:00 AM

Rain(in.) = 2.03

Waterbody: Detroit River

Outfall **108**

RTB (MG)

2.000

Cause: Rain

GLWA WRRF

Submission ID. HNY-TCAR-EYA9W

Start Day	Start Time	End Day	End Time
3/28/2020	7:25:00 AM	3/31/2020	6:30:00 AM

Rain(in.) = 2.03

Waterbody: Detroit River

Outfall **104**

RTB (MG)

727.900

Cause: Rain

GLWA WRRF

Submission ID. HNY-TCAR-EYA9W

Start Day	Start Time	End Day	End Time
3/28/2020	7:30:00 AM	3/29/2020	8:30:00 AM

Rain(in.) = 2.03

Waterbody: Rouge River

Outfall **101**

RTB (MG)

904.800

Cause: Rain

MG = million gallons

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-TCAR-EYA9W

Start Day	Start Time	End Day	End Time
3/28/2020	7:30:00 AM	3/28/2020	11:15:00 AM

Rain(in.) = 2.03

Waterbody: Detroit River

Outfall **106**

RTB (MG)

0.300

Cause: Rain

GLWA WRRF

Submission ID. HNY-TCAR-EYA9W

Start Day	Start Time	End Day	End Time
3/28/2020	7:30:00 AM	3/28/2020	3:40:00 PM

Rain(in.) = 2.03

Waterbody: Rouge River

Outfall **107**

RTB (MG)

106.900

Cause: Rain

GLWA WRRF

Submission ID. HNY-TCAR-EYA9W

Start Day	Start Time	End Day	End Time
3/28/2020	8:00:00 AM	3/31/2020	2:30:00 AM

Rain(in.) = 2.03

Waterbody: Rouge River

Outfall **109**

RTB (MG)

53.800

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNY-TCAR-EYA9W

Start Day	Start Time	End Day	End Time
3/30/2020	7:30:00 AM	3/31/2020	6:00:00 AM

Rain(in.) = 2.03

Waterbody: Rouge River

Outfall **102**

RTB (MG)

4.200

Cause: Rain

GLWA WRRF

Submission ID. HNY-V2PR-6S850

Start Day	Start Time	End Day	End Time
4/7/2020	4:35:00 PM	4/9/2020	9:40:00 AM

Rain(in.) = 0.75

Waterbody: Detroit River

Outfall **49**

RTB (MG)

138.100

Cause: Rain

GLWA WRRF

Submission ID. HNZ-NEHZ-61JRB

Start Day	Start Time	End Day	End Time
5/11/2020	1:44:00 AM	5/11/2020	8:09:00 AM

Rain(in.) = 0.38

Waterbody: Detroit River

Outfall **49**

RTB (MG)

11.900

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	1:39:00 PM	5/16/2020	1:04:00 PM

Rain(in.) = 0.91

Waterbody: Detroit River

Outfall **49**

RTB (MG)

389.800

Cause: Rain

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	2:30:00 PM	5/15/2020	4:30:00 PM

Rain(in.) = 0.91

Waterbody: Rouge River

Outfall **101**

RTB (MG)

381.000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/14/2020	11:15:00 PM	5/16/2020	12:30:00 PM

Rain(in.) = 0.91

Waterbody: Detroit River

Outfall **104**

RTB (MG)

325.100

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-R4SP-JAA17

Start Day	Start Time	End Day	End Time
5/15/2020	12:30:00 PM	5/16/2020	3:50:00 AM

Rain(in.) = 0.91

Waterbody: Rouge River

Outfall **109**

RTB (MG)

3.500

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	7:20:00 AM	5/21/2020	4:40:00 PM

Rain(in.) = 1.88

Waterbody: Detroit River

Outfall **104**

RTB (MG)

819.200

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	10:55:00 AM	5/23/2020	2:51:00 AM

Rain(in.) = 1.88

Waterbody: Detroit River

Outfall **49**

RTB (MG)

1063.100

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	4:30:00 PM	5/20/2020	9:00:00 AM

Rain(in.) = 1.88

Waterbody: Rouge River

Outfall **101**

RTB (MG)

1047.500

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	9:28:00 PM	5/19/2020	4:43:00 PM

Rain(in.) = 1.88

Waterbody: Rouge River

Outfall **50**

RTB (MG)

90.600

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/18/2020	9:30:00 PM	5/21/2020	3:00:00 PM

Rain(in.) = 1.88

Waterbody: Rouge River

Outfall **109**

RTB (MG)

33.700

Cause: Rain

MG = million gallons

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/19/2020	12:20:00 AM	5/19/2020	2:25:00 AM

Rain(in.) = 1.88

Waterbody: Rouge River

Outfall **107**

RTB (MG)

27.000

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/19/2020	12:30:00 AM	5/19/2020	1:00:00 AM

Rain(in.) = 1.88

Waterbody: Rouge River

Outfall **102**

RTB (MG)

0.400

Cause: Rain

GLWA WRRF

Submission ID. HNZ-V7HC-NNW3R

Start Day	Start Time	End Day	End Time
5/19/2020	3:50:00 PM	5/21/2020	11:23:00 AM

Rain(in.) = 1.88

Waterbody: Detroit River

Outfall **108**

RTB (MG)

8.300

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-DM20-SAVEB

Start Day	Start Time	End Day	End Time
6/10/2020	9:53:00 PM	6/11/2020	3:44:00 AM

Rain(in.) = 0.19

Waterbody: Detroit River

Outfall **49**

RTB (MG)

6.700

Cause: Rain

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:35:00 AM	6/23/2020	10:30:00 AM

Rain(in.) = 0.75

Waterbody: Detroit River

Outfall **106**

RTB (MG)

0.800

Cause: Rain

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	8:41:00 AM	6/23/2020	5:27:00 PM

Rain(in.) = 0.75

Waterbody: Detroit River

Outfall **49**

RTB (MG)

125.600

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-QGEW-E1BWA

Start Day	Start Time	End Day	End Time
6/23/2020	10:55:00 AM	6/23/2020	2:20:00 PM

Rain(in.) = 0.75

Waterbody: Detroit River

Outfall **104**

RTB (MG)

72.700

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:00:00 PM	6/27/2020	5:35:00 AM

Rain(in.) = 1.28

Waterbody: Detroit River

Outfall **106**

RTB (MG)

1.900

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:40:00 PM	6/27/2020	9:13:00 PM

Rain(in.) = 1.28

Waterbody: Detroit River

Outfall **49**

RTB (MG)

394.400

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/26/2020	11:52:00 PM	6/27/2020	4:26:00 AM

Rain(in.) = 1.28

Waterbody: Detroit River

Outfall **108**

RTB (MG)

1.000

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/27/2020	12:00:00 AM	6/27/2020	5:10:00 AM

Rain(in.) = 1.28

Waterbody: Rouge River

Outfall **107**

RTB (MG)

155.200

Cause: Rain

GLWA WRRF

Submission ID. HP0-YK96-RNTTV

Start Day	Start Time	End Day	End Time
6/27/2020	12:20:00 AM	6/27/2020	12:00:00 PM

Rain(in.) = 1.28

Waterbody: Rouge River

Outfall **101**

RTB (MG)

366.500

Cause: rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/27/2020	12:30:00 AM	6/27/2020	8:25:00 PM

Rain(in.) = 1.28

Waterbody: Detroit River

Outfall **104**

RTB (MG)

323.800

Cause: Rain

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/27/2020	12:55:00 AM	6/27/2020	9:46:00 AM

Rain(in.) = 1.28

Waterbody: Rouge River

Outfall **50**

RTB (MG)

30.500

Cause: Rain

GLWA WRRF

Submission ID. HP0-YK96-RNTTV

Start Day	Start Time	End Day	End Time
6/27/2020	2:35:00 AM	6/27/2020	7:10:00 AM

Rain(in.) = 1.28

Waterbody: Detroit River

Outfall **105**

RTB (MG)

7.200

Cause: rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP0-TBHA-CEDS7

Start Day	Start Time	End Day	End Time
6/27/2020	3:00:00 AM	6/27/2020	9:15:00 PM

Rain(in.) = 1.28

Waterbody: Rouge River

Outfall **109**

RTB (MG)

37.500

Cause: Rain

GLWA WRRF

Submission ID. HP1-3G35-WWKDF

Start Day	Start Time	End Day	End Time
7/8/2020	1:39:00 PM	7/8/2020	11:34:00 PM

Rain(in.) = 0.32

Waterbody: Detroit River

Outfall **49**

RTB (MG)

71.100

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	3:15:00 PM	7/11/2020	3:30:00 AM

Rain(in.) = 2.05

Waterbody: rouge river

Outfall **101**

RTB (MG)

152.600

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	4:17:00 PM	7/11/2020	6:54:00 PM

Rain(in.) = 2.05

Waterbody: Detroit River

Outfall **49**

RTB (MG)

327.200

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	8:30:00 PM	7/11/2020	2:00:00 PM

Rain(in.) = 2.05

Waterbody: Rouge River

Outfall **109**

RTB (MG)

15.700

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:30:00 PM	7/11/2020	2:35:00 AM

Rain(in.) = 2.05

Waterbody: Rouge River

Outfall **107**

RTB (MG)

68.700

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:35:00 PM	7/11/2020	4:45:00 AM

Rain(in.) = 2.05

Waterbody: Detroit River

Outfall **106**

RTB (MG)

0.900

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/10/2020	10:39:00 PM	7/11/2020	5:22:00 AM

Rain(in.) = 2.05

Waterbody: rouge river

Outfall **50**

RTB (MG)

14.700

Cause: Rain

GLWA WRRF

Submission ID. HP1-53PH-6PA38

Start Day	Start Time	End Day	End Time
7/11/2020	12:00:00 AM	7/11/2020	4:30:00 PM

Rain(in.) = 2.05

Waterbody: Detroit River

Outfall **104**

RTB (MG)

136.600

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-9K5N-EK9V5

Start Day	Start Time	End Day	End Time
7/16/2020	9:04:00 AM	7/16/2020	9:29:00 PM

Rain(in.) = 1.13

Waterbody: Detroit River

Outfall **49**

RTB (MG)

147.100

Cause: Rain

GLWA WRRF

Submission ID. HP1-9K5N-EK9V5

Start Day	Start Time	End Day	End Time
7/16/2020	9:05:00 AM	7/16/2020	10:50:00 AM

Rain(in.) = 1.13

Waterbody: Detroit River

Outfall **106**

RTB (MG)

0.060

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	2:00:00 PM	7/19/2020	3:05:00 PM

Rain(in.) = 1.02

Waterbody: Detroit River

Outfall **106**

RTB (MG)

0.400

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	2:08:00 PM	7/20/2020	6:53:00 AM

Rain(in.) = 1.02

Waterbody: Detroit River

Outfall **49**

RTB (MG)

186.700

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	3:00:00 PM	7/19/2020	7:43:00 PM

Rain(in.) = 1.02

Waterbody: Rouge River

Outfall **50**

RTB (MG)

18.500

Cause: Rain

GLWA WRRF

Submission ID. HP1-C1J5-1J52K

Start Day	Start Time	End Day	End Time
7/19/2020	4:00:00 PM	7/19/2020	8:00:00 PM

Rain(in.) = 1.02

Waterbody: Rouge River

Outfall **101**

RTB (MG)

300.300

Cause: Rain

MG = million gallons

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

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'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	6:00:00 AM	8/2/2020	1:07:00 PM

Rain(in.) = 1.7

Waterbody: Detroit River

Outfall **106**

RTB (MG)

1.900

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	6:02:00 AM	8/4/2020	8:41:00 AM

Rain(in.) = 1.7

Waterbody: Detroit River

Outfall **49**

RTB (MG)

508.400

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Start Day	Start Time	End Day	End Time
8/2/2020	6:25:00 AM	8/2/2020	7:00:00 AM

Rain(in.) = 1.7

Waterbody: Detroit River

Outfall **108**

RTB (MG)

0.100

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Outfall **50**

Start Day	Start Time	End Day	End Time
8/2/2020	6:27:00 AM	8/4/2020	1:35:00 AM

Rain(in.) = 1.7

Waterbody: Rouge River

RTB (MG)

51.800

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Outfall **101**

Start Day	Start Time	End Day	End Time
8/2/2020	7:30:00 AM	8/2/2020	3:30:00 PM

Rain(in.) = 1.7

Waterbody: Rouge River

RTB (MG)

380.600

Cause: Rain

GLWA WRRF

Submission ID. HP1-PT3C-8P5GC

Outfall **104**

Start Day	Start Time	End Day	End Time
8/2/2020	7:45:00 AM	8/4/2020	3:25:00 AM

Rain(in.) = 1.7

Waterbody: Detroit River

RTB (MG)

245.000

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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GLWA WRRF

Submission ID. HP1-XAZ7-JSQQZ

Start Day	Start Time	End Day	End Time
8/2/2020	8:00:00 AM	8/2/2020	5:40:00 AM

Rain(in.) = 1.7

Waterbody: Detroit River

Outfall **109**

RTB (MG)

30.900

Cause: Rain

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	12:30:00 AM	8/16/2020	1:30:00 PM

Rain(in.) = 0.85

Waterbody: Rouge River

Outfall **109**

RTB (MG)

0.900

Cause: Rain

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	8:05:00 AM	8/16/2020	5:09:00 PM

Rain(in.) = 0.85

Waterbody: Detroit River

Outfall **49**

RTB (MG)

124.400

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	8:15:00 AM	8/16/2020	10:30:00 AM

Rain(in.) = 0.85

Waterbody: Detroit River

Outfall **106**

RTB (MG)

0.300

Cause: Rain

GLWA WRRF

Submission ID. HP2-1YGG-WP3R9

Start Day	Start Time	End Day	End Time
8/16/2020	8:25:00 AM	8/16/2020	9:10:00 AM

Rain(in.) = 0.85

Waterbody: Detroit River

Outfall **108**

RTB (MG)

0.200

Cause: Rain

GLWA WRRF

Submission ID. HP2-9VS7-39FZK

Start Day	Start Time	End Day	End Time
8/26/2020	12:34:00 PM	8/26/2020	8:57:00 PM

Rain(in.) = 0.03

Waterbody: Detroit River

Outfall **49**

RTB (MG)

32.700

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:30:00 AM	8/29/2020	11:40:00 PM

Rain(in.) = 3.28

Waterbody: Detroit River

Outfall **49**

RTB (MG)

801.800

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	4:45:00 AM	8/28/2020	1:10:00 PM

Rain(in.) = 3.28

Waterbody: Detroit River

Outfall **108**

RTB (MG)

3.900

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	5:22:00 AM	8/29/2020	6:01:00 AM

Rain(in.) = 3.28

Waterbody: Detroit River

Outfall **106**

RTB (MG)

6.800

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	5:25:00 AM	8/28/2020	4:10:00 PM

Rain(in.) = 3.28

Waterbody: Rouge River

Outfall **107**

RTB (MG)

216.300

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	5:25:00 AM	8/29/2020	5:13:00 AM

Rain(in.) = 3.28

Waterbody: Detroit River

Outfall **50**

RTB (MG)

96.100

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	5:30:00 AM	8/29/2020	10:45:00 AM

Rain(in.) = 3.28

Waterbody: Rouge River

Outfall **109**

RTB (MG)

81.500

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	6:00:00 AM	8/29/2020	7:30:00 AM

Rain(in.) = 3.28

Waterbody: Rouge River

Outfall **101**

RTB (MG)

776.600

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	6:15:00 AM	8/29/2020	8:30:00 AM

Rain(in.) = 3.28

Waterbody: Detroit River

Outfall **104**

RTB (MG)

270.400

Cause: Rain

GLWA WRRF

Submission ID. HP2-B7JC-QJQDQ

Start Day	Start Time	End Day	End Time
8/28/2020	6:50:00 AM	8/28/2020	7:30:00 AM

Rain(in.) = 3.28

Waterbody: Detroit River

Outfall **105**

RTB (MG)

10.100

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	9:20:00 PM	9/2/2020	7:50:00 AM

Rain(in.) = 0.95

Waterbody: Detroit River

Outfall **49**

RTB (MG)

143.800

Cause: Rain

GLWA WRRF

Submission ID. HP2-EV49-98PMN

Start Day	Start Time	End Day	End Time
9/1/2020	10:00:00 PM	9/2/2020	12:00:00 AM

Rain(in.) = 0.95

Waterbody: Rouge River

Outfall **101**

RTB (MG)

66.700

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:10:00 AM	9/8/2020	1:25:00 PM

Rain(in.) = 2.52

Waterbody: Detroit River

Outfall **106**

RTB (MG)

2.200

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:12:00 AM	9/9/2020	5:09:00 AM

Rain(in.) = 2.52

Waterbody: Detroit River

Outfall **49**

RTB (MG)

597.100

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:32:00 AM	9/8/2020	1:30:00 PM

Rain(in.) = 2.52

Waterbody: Detroit River

Outfall **108**

RTB (MG)

1.900

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	3:58:00 AM	9/8/2020	6:03:00 PM

Rain(in.) = 2.52

Waterbody: Rouge River

Outfall **50**

RTB (MG)

49.500

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-PCHK-R7KW0

Start Day	Start Time	End Day	End Time
9/7/2020	5:00:00 AM	9/9/2020	3:15:00 AM

Rain(in.) = 2.52

Waterbody: Rouge River

Outfall **109**

RTB (MG)

25.200

Cause: rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/7/2020	5:15:00 AM	9/9/2020	2:45:00 AM

Rain(in.) = 2.52

Waterbody: Detroit River

Outfall **104**

RTB (MG)

175.200

Cause: Rain

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/8/2020	9:40:00 AM	9/8/2020	12:15:00 PM

Rain(in.) = 2.52

Waterbody: Rouge River

Outfall **107**

RTB (MG)

60.200

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

GLWA WRRF

Submission ID. HP2-MF4F-7XPG6

Start Day	Start Time	End Day	End Time
9/8/2020	10:30:00 AM	9/8/2020	3:30:00 PM

Rain(in.) = 2.52

Waterbody: Rouge River

Outfall **101**

RTB (MG)

241.300

Cause: Rain

GLWA WRRF

Submission ID. HP3-NQER-3ARM8

Start Day	Start Time	End Day	End Time
10/22/2020	7:15:00 AM	10/23/2020	10:21:00 PM

Rain(in.) = 1.52

Waterbody: Detroit River

Outfall **49**

RTB (MG)

35.300

Cause: Rain

GLWA WRRF

Submission ID. HP4-9APF-WSGZV

Start Day	Start Time	End Day	End Time
11/15/2020	8:00:00 AM	11/15/2020	7:39:00 PM

Rain(in.) = 0.52

Waterbody: Detroit River

Outfall **49**

RTB (MG)

78.300

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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GLWA WRRF

Submission ID. HP4-HPYN-SQ0V2

Start Day	Start Time	End Day	End Time
11/25/2020	10:10:00 PM	11/26/2020	10:46:00 AM

Rain(in.) = 0.5

Waterbody: Detroit River

Outfall **49**

RTB (MG)

135.200

Cause: Rain

GLWA WRRF

Submission ID. HP4-YJ52-F77MD

Start Day	Start Time	End Day	End Time
12/12/2020	10:55:00 AM	12/12/2020	11:45:00 PM

Rain(in.) = 0.51

Waterbody: Detroit River

Outfall **49**

RTB (MG)

109.900

Cause: Rain

MG = million gallons

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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Totals **GLWA WRRF**

RTB (MG)
23351.06

EGLE Action: Long-term Control Program being implemented; controls include retention/treatment basins (6 on-line), CSO Screening/Disinfection Facilities (3 on-line), and 13 in-system storage dams in the collection system sewers (on-line) for temporary storing and subsequent transport of combined flow to the wastewater treatment plant; expansion of primary treatment capacity at the WWTP to 1700 MGD (on-line). To date, 14 CSOs have been eliminated, and construction of the Oakwood RTB has been completed. In addition to these 14 outfalls, 5 untreated Rouge River CSOs downstream of the turning basin are now controlled An amended LTCP was submitted in late 2008 that proposed control projects and associated schedules for 3 untreated CSOs to the Old Channel of the Rouge River, and the 39 remaining untreated CSOs to the Detroit River. However in 2009, due to its deteriorating financial condition, Detroit terminated construction of the Upper Rouge CSO Capture Tunnel (URT). A financial capability assessment (FCA) was submitted and approved by the Department. The alternative LTCP was included in the 2011 permit modification. Another FCA was submitted by Detroit in 2012 as required by the Permit. The FCA again documented that costs associated with continued implementation of the CSO correction program were a high burden to the City of Detroit residents. Reflecting the 2012 FCA and updated costs for effectively operating the WWTP and other facilities, and taking into account opportunities to use Green Infrastructure and apply adaptive management, the permit again revised the LTCP.

Milk River CSO RTB

Milk River CSO RTB

Submission ID. HNW-T5T2-18HGX
Permit MI0025500
Outfall **1**

Start Day	Start Time	End Day	End Time
1/11/2020	9:50:00 AM	1/12/2020	1:05:00 PM

Rain(in.) = 3.01
Waterbody: Lake St. Clair

RTB (MG)
106.900

Cause: heavy rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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Milk River CSO RTB

Submission ID. HNY-K64K-8ZFRE
Permit MI0025500
Outfall **1**

Start Day	Start Time	End Day	End Time
3/28/2020	8:30:00 AM	3/29/2020	3:30:00 PM

Rain(in.) = 1.66
Waterbody: Lake St. Clair

RTB (MG)
61.200

Cause: Local, Heavy amount of rainfall

Milk River CSO RTB

Submission ID. HNZ-RRYK-V5XTK
Permit MI0025501
Outfall **1**

Start Day	Start Time	End Day	End Time
5/15/2020	5:30:00 AM	5/15/2020	2:35:00 PM

Rain(in.) = 1.68
Waterbody: Lake St. Clair

RTB (MG)
34.500

Cause: Discharge from RTB due to local heavy amounts of rain

Milk River CSO RTB

Submission ID. HNZ-VNCC-1B8EA
Permit MI0025502
Outfall **1**

Start Day	Start Time	End Day	End Time
5/18/2020	11:30:00 PM	5/19/2020	3:45:00 PM

Rain(in.) = 1.79
Waterbody: Lake St. Clair

RTB (MG)
124.460

Cause: heavy rain, saturated ground conditions

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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Milk River CSO RTB

Submission ID. HP0-TDKS-KXPRK
Permit MI0025503
Outfall **1**

Start Day	Start Time	End Day	End Time
6/27/2020	2:15:00 AM	6/27/2020	6:34:00 PM

Rain(in.) = 1.58
Waterbody: Lake St. Clair

RTB (MG)
30.560

Cause: heavy rain

Milk River CSO RTB

Submission ID. HP1-PY7G-F7EJ5
Permit MI0025500
Outfall **1**

Start Day	Start Time	End Day	End Time
8/2/2020	8:25:00 AM	8/2/2020	1:21:00 PM

Rain(in.) = 2.29
Waterbody: lake st clair

RTB (MG)
15.130

Cause: heavy rain

Milk River CSO RTB

Submission ID. HP2-BAQ0-FHSJQ
Permit MI0025500
Outfall **1**

Start Day	Start Time	End Day	End Time
8/28/2020	7:30:00 AM	8/29/2020	3:00:00 AM

Rain(in.) = 2.47
Waterbody: Lake St. Clair

RTB (MG)
20.010

Cause: heavy rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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Milk River CSO RTB

Submission ID. HP2-M1FG-6CD66
Permit MI0025500
Outfall **1**

Start Day	Start Time	End Day	End Time
9/7/2020	4:25:00 AM	9/7/2020	5:25:00 AM

Rain(in.) = 1.39
Waterbody: lake st clair

RTB (MG)
11.300

Cause: heavy rain

Milk River CSO RTB

Submission ID. HP2-M1PV-5CQET
Permit MI0025501
Outfall **1**

Start Day	Start Time	End Day	End Time
9/8/2020	10:00:00 AM	9/8/2020	11:41:00 AM

Rain(in.) = 1.09
Waterbody: Lake St. Clair

RTB (MG)
20.620

Cause: heavy rain

Totals **Milk River CSO RTB**

RTB (MG)
424.68

EGLE Action: 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
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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River Rouge CSO RTB

River Rouge CSO RTB

Submission ID. HNW-PP8G-X3E00
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
1/11/2020	11:00:00 AM	1/12/2020	9:00:00 PM

Rain(in.) = 2.06
Waterbody: Detroit River

RTB (MG)
20.768

Cause: Heavy Rain

River Rouge CSO RTB

Submission ID. HNY-K1SH-P5R3H
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
3/28/2020	7:45:00 AM	3/29/2020	2:05:00 PM

Rain(in.) = 1.26
Waterbody: Detroit River

RTB (MG)
14.530

Cause: rain

River Rouge CSO RTB

Submission ID. HNZ-VNGG-0XPFB
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
5/18/2020	11:30:00 PM	5/19/2020	1:45:00 PM

Rain(in.) = 1.72
Waterbody: Detroit River

RTB (MG)
4.560

Cause: rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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River Rouge CSO RTB

Submission ID. HP0-TGYF-K1NEW
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
6/27/2020	3:30:00 AM	6/27/2020	5:30:00 AM

Rain(in.) = 0.88
Waterbody: Detroit River

RTB (MG)
1.919

Cause: rain

River Rouge CSO RTB

Submission ID. HP1-56AX-PPA44
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
7/10/2020	8:05:00 PM	7/10/2020	10:05:00 PM

Rain(in.) = 2.04
Waterbody: Detroit River

RTB (MG)
15.275

Cause: Rain

River Rouge CSO RTB

Submission ID. HP1-C3MN-008N6
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
7/19/2020	2:25:00 PM	7/19/2020	7:05:00 PM

Rain(in.) = 1.16
Waterbody: Detroit River

RTB (MG)
2.218

Cause: rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

River Rouge CSO RTB

Submission ID. HP1-PTSY-1VX0Q
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
8/2/2020	6:30:00 AM	8/2/2020	4:35:00 PM

Rain(in.) = 2.02
Waterbody: Detroit River

RTB (MG)
22.363

Cause: rain

River Rouge CSO RTB

Submission ID. HP2-1ZB9-5P22M
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
8/16/2020	10:40:00 AM	8/16/2020	12:45:00 PM

Rain(in.) = 0.58
Waterbody: Detroit River

RTB (MG)
0.356

Cause: rain

River Rouge CSO RTB

Submission ID. HP2-B6A0-3ZDB0
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
8/28/2020	4:40:00 AM	8/30/2020	1:25:00 PM

Rain(in.) = 3.16
Waterbody: Detroit River

RTB (MG)
62.586

Cause: rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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River Rouge CSO RTB

Submission ID. HP2-G6G6-0PEM4
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
8/30/2020	3:39:00 PM	9/1/2020	4:52:00 PM

Rain(in.) = 4.61
Waterbody: Detroit River

RTB (MG)
1.259

Cause: lost dewatering pump

River Rouge CSO RTB

Submission ID. HP2-EW2Z-3MX5N
Permit MI0028819
Outfall **101**

Start Day	Start Time	End Day	End Time
9/1/2020	9:15:00 PM	9/1/2020	11:00:00 PM

Rain(in.) = 0.37
Waterbody: Detroit River

RTB (MG)
0.401

Cause: Rain

Totals **River Rouge CSO RTB**

RTB (MG)
146.23

EGLE Action: Long-term Control Program 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
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
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Southgate-Wyandotte CSO RTF

Southgate-Wyandotte CSO RTF

Submission ID. HNW-PBP1-FQHCS
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
1/11/2020	1:00:00 AM	1/12/2020	11:40:00 PM

Rain(in.) = 2.06
Waterbody: Detroit River

RTB (MG)
173.205

Cause: Heavy Rain

Southgate-Wyandotte CSO RTF

Submission ID. HNX-13V8-3TD3D
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
1/24/2020	5:30:00 PM	1/26/2020	9:10:00 PM

Rain(in.) = 0.62
Waterbody: Detroit River

RTB (MG)
31.185

Cause: Rain

Southgate-Wyandotte CSO RTF

Submission ID. HNX-YRDZ-SG21G
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
3/2/2020	8:40:00 AM	3/2/2020	2:30:00 PM

Waterbody: Detroit

RTB (MG)
13.770

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Submission ID. HNY-BM8F-NK11N
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
3/18/2020	9:00:00 PM	3/22/2020	9:22:00 AM

Rain(in.) = 0.92
Waterbody: Detroit River

RTB (MG)
7.830

Cause: rain

Southgate-Wyandotte CSO RTF

Submission ID. HNY-K0RJ-GWZMW
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
3/28/2020	6:45:00 AM	4/30/2020	12:50:00 PM

Rain(in.) = 1.26
Waterbody: Detroit River

RTB (MG)
117.435

Cause: rain

Southgate-Wyandotte CSO RTF

Submission ID. HNY-VDPV-83E5V
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
4/7/2020	11:30:00 PM	4/8/2020	4:30:00 AM

Rain(in.) = 0.86
Waterbody: Detroit River

RTB (MG)
18.210

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Submission ID. HNZ-RSSS-TFD35
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
5/15/2020	5:40:00 AM	5/15/2020	2:30:00 PM

Rain(in.) = 0.94
Waterbody: Detroit River

RTB (MG)
13.230

Cause: Rain

Southgate-Wyandotte CSO RTF

Submission ID. HNZ-VE9R-TS03C
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
5/18/2020	2:00:00 PM	5/20/2020	5:25:00 AM

Rain(in.) = 1.72
Waterbody: Detroit River

RTB (MG)
108.379

Cause: rain

Southgate-Wyandotte CSO RTF

Submission ID. HP0-KSHA-7A8Z5
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
6/23/2020	9:47:00 AM	6/23/2020	12:30:00 PM

Rain(in.) = 0.92
Waterbody: Detroit River

RTB (MG)
9.300

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Submission ID. HP0-TBKN-3E8S4
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
6/27/2020	1:40:00 AM	6/27/2020	7:30:00 AM

Rain(in.) = 0.88
Waterbody: Detroit River

RTB (MG)
24.030

Cause: rain

Southgate-Wyandotte CSO RTF

Submission ID. HP1-3M6B-BSAPP
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
7/8/2020	6:30:00 PM	7/8/2020	7:20:00 PM

Rain(in.) = 0.23
Waterbody: Detroit River

RTB (MG)
3.240

Cause: Rain

Southgate-Wyandotte CSO RTF

Submission ID. HP1-5683-BAZFV
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
7/10/2020	7:45:00 PM	7/11/2020	2:25:00 AM

Rain(in.) = 2.04
Waterbody: Detroit River

RTB (MG)
57.888

Cause: Rain

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

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Submission ID. HP1-9JEF-0YPT1
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
7/16/2020	10:05:00 AM	7/16/2020	3:55:00 PM

Rain(in.) = 0.96
Waterbody: Detroit River

RTB (MG)
61.950

Cause: rain

Southgate-Wyandotte CSO RTF

Submission ID. HP1-C3DM-105M8
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
7/19/2020	3:10:00 PM	7/20/2020	2:20:00 AM

Rain(in.) = 1.12
Waterbody: Detroit River

RTB (MG)
64.989

Cause: rain

Southgate-Wyandotte CSO RTF

Submission ID. HP1-PT7T-4XQ18
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
8/2/2020	6:05:00 AM	8/3/2020	4:00:00 PM

Rain(in.) = 1.37
Waterbody: Detroit River

RTB (MG)
82.431

Cause: rain

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Submission ID. HP2-1ZDK-X7ZA8
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
8/16/2020	11:00:00 AM	8/16/2020	12:40:00 AM

Rain(in.) = 0.58
Waterbody: Detroit River

RTB (MG)
3.105

Cause: rain

Southgate-Wyandotte CSO RTF

Submission ID. HP2-B9W1-X98NW
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
8/28/2020	7:30:00 AM	8/29/2020	8:00:00 PM

Rain(in.) = 3.16
Waterbody: Detroit River

RTB (MG)
186.600

Cause: Heavy Rain

Southgate-Wyandotte CSO RTF

Submission ID. HP2-KZ1V-Y4GQD
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
9/7/2020	4:30:00 AM	9/8/2020	7:25:00 AM

Rain(in.) = 2.14
Waterbody: Detroit River

RTB (MG)
92.151

Cause: Heavy Rain

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Southgate-Wyandotte CSO RTF

Submission ID. HP3-PWJD-S03C9
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
10/22/2020	6:20:00 AM	10/23/2020	9:00:00 PM

Waterbody: Detroit River

RTB (MG)
33.345

Cause: rain

Southgate-Wyandotte CSO RTF

Submission ID. HP4-9FNG-QC6TS
Permit MI0036072
Outfall **1**

Start Day	Start Time	End Day	End Time
11/15/2020	8:45:00 AM	11/15/2020	2:30:00 PM

Rain(in.) = 0.84
Waterbody: Detroit River

RTB (MG)
3.240

Cause: rain

Totals **Southgate-Wyandotte CSO RTF**

RTB (MG)
1105.51

EGLE Action: Long-term Control Program 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; EGLE Action: Long-term Control Program for facility upgrade and provisions for adequate treatment may be required in the future.

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Wayne Co/Dearborn Heights CSO

Submission ID. HNW-PNXT-ZC5C9
Permit MI0051489
Outfall **1**

Start Day	Start Time	End Day	End Time
1/11/2020	10:35:00 AM	1/13/2020	3:20:00 AM

Rain(in.) = 2.92
Waterbody: Rouge River

RTB (MG)
15.600

Cause: Heavy Rain

Wayne Co/Dearborn Heights CSO

Submission ID. HNZ-VNPD-8BPSZ
Permit MI0051489
Outfall **1**

Start Day	Start Time	End Day	End Time
5/19/2020	12:11:00 AM	5/20/2020	5:15:00 AM

Rain(in.) = 1.98
Waterbody: Middle River Rouge

RTB (MG)
3.690

Cause: rain

Wayne Co/Dearborn Heights CSO

Submission ID. HP0-TAPS-TGX8M
Permit MI0051489
Outfall **1**

Start Day	Start Time	End Day	End Time
6/27/2020	12:45:00 AM	6/27/2020	3:00:00 AM

Rain(in.) = 0.88
Waterbody: Lower River Rouge

RTB (MG)
1.700

Cause: rain

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Wayne Co/Dearborn Heights CSO

Submission ID. HP2-BBJX-NRM30
Permit MI0051489
Outfall **1**

Start Day	Start Time	End Day	End Time
8/28/2020	8:50:00 AM	8/29/2020	6:30:00 AM

Rain(in.) = 3.16
Waterbody: Middle Rouge River

RTB (MG)
9.750

Cause: Heavy Rain

Totals **Wayne Co/Dearborn Heights CSO**

RTB (MG)
30.74

EGLE Action: 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/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Wayne Co/Inkster CSO

Submission ID. HNW-PN7Z-HKFBA
Permit MI0051471
Outfall **2**

Start Day	Start Time	End Day	End Time
1/11/2020	9:45:00 AM	1/12/2020	12:30:00 AM

Rain(in.) = 2.56
Waterbody: Lower Rouge River

RTB (MG)
2.500

Cause: Significant precipitation, resulting in Combined Sewer Overflow, in exceedance of the storage capacity of the CSO RTB. The discharge received settling, screening, and disinfection

Wayne Co/Inkster CSO

Submission ID. HNY-K5CK-9PV8S
Permit MI0051471
Outfall **2**

Start Day	Start Time	End Day	End Time
3/28/2020	7:45:00 AM	3/29/2020	1:00:00 PM

Rain(in.) = 1.86
Waterbody: Lower Rouge River

RTB (MG)
1.860

Cause: Significant precipitation, resulting in Combined Sewer Overflow, in exceedance of the storage capacity of the CSO RTB. The discharge received screening, settling and disinfection

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Submission ID. HNY-K2B9-X0XEE
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
3/28/2020	8:04:00 AM	3/29/2020	10:03:00 PM

Rain(in.) = 1.26
Waterbody: Lower Rouge River

RTB (MG)
4.884

Cause: Rain

Wayne Co/Inkster CSO

Submission ID. HNZ-VK6H-FJ99H
Permit MI0051471
Outfall **2**

Start Day	Start Time	End Day	End Time
5/18/2020	8:55:00 PM	5/19/2020	6:00:00 PM

Rain(in.) = 1.93
Waterbody: Lower Rouge River

RTB (MG)
1.900

Cause: Significant precipitation, resulting in Combined Sewer Overflow, in exceedance of the storage capacity of the CSO RTB. The discharge received screening, settling and disinfection

Wayne Co/Inkster CSO

Submission ID. HNZ-VKVQ-XAY0B
Permit MI0051471
Outfall **1**

Start Day	Start Time	End Day	End Time
5/18/2020	10:15:00 PM	5/19/2020	6:02:00 PM

Rain(in.) = 2.22
Waterbody: Lower River Rouge

RTB (MG)
6.850

Cause: rain

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Submission ID. HP2-BBN6-J7AXT
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
8/28/2020	8:50:00 AM	8/28/2020	2:35:00 PM

Rain(in.) = 3.16
Waterbody: Lower Rouge River

RTB (MG)
0.919

Cause: Heavy Rain

Wayne Co/Inkster CSO

Submission ID. HP2-BDJA-1P6AZ
Permit MI0051471
Outfall **2**

Start Day	Start Time	End Day	End Time
8/28/2020	9:45:00 AM	8/28/2020	4:00:00 PM

Rain(in.) = 2.33
Waterbody: Lower Rouge River

RTB (MG)
0.230

Cause: Significant precipitation, resulting in combined sewer overflow, in exceedance of the storage capacity of the CSO RTB. The discharge received screening, settling and disinfection

Wayne Co/Inkster CSO

Submission ID. HP2-NH1S-9R4AW
Permit MI0051471
Outfall **10**

Start Day	Start Time	End Day	End Time
9/8/2020	10:20:00 AM	9/8/2020	10:30:00 AM

Rain(in.) = 0.81
Waterbody: Lower Rouge River

RTB (MG)
0.740

Cause: Rain

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster CSO

Submission ID. HP2-M2BR-VK12D
Permit MI0051471
Outfall **2**

Start Day	Start Time	End Day	End Time
9/8/2020	10:37:00 AM	9/8/2020	2:45:00 PM

Rain(in.) = 1.4
Waterbody: Lower Rouge River

RTB (MG)
1.400

Cause: Significant precipitation, resulting in Combined Sewer Overflow, in exceedance of storage capacity of the CSO RTB. The discharge received screening, settling disinfection

Totals **Wayne Co/Inkster CSO**

RTB (MG)
21.28

EGLE Action: Long-term Control Program 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 the pemittee has requested an extension of the LTCP due to affordability issues.

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Wayne Co/RDFrd/Livonia CSO

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNW-PSSA-X8414
Permit MI0051535
Outfall **1**

Start Day	Start Time	End Day	End Time
1/11/2020	12:30:00 PM	1/12/2020	2:49:00 PM

Rain(in.) = 2.66
Waterbody: Middle Rouge River

RTB (MG)
7.652

Cause: Heavy Rain

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNY-KSHE-1158F
Permit MI0051535
Outfall **1**

Start Day	Start Time	End Day	End Time
3/29/2020	3:45:00 AM	3/29/2020	6:01:00 AM

Rain(in.) = 1.26
Waterbody: Middle Rouge River

RTB (MG)
0.424

Cause: Rain

Wayne Co/RDFrd/Livonia CSO

Submission ID. HNZ-VKAM-35622
Permit MI0051535
Outfall **1**

Start Day	Start Time	End Day	End Time
5/18/2020	10:00:00 PM	5/20/2020	8:30:00 PM

Rain(in.) = 2.23
Waterbody: River Rouge

RTB (MG)
8.370

Cause: rain

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Retention Treatment Basin' Detail Report
January 1 - December 31, 2020

Totals **Wayne Co/RDFrd/Livonia CSO**

RTB (MG)
16.45

EGLE Action: Long-term Control Program 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 requires control of the remaining untreated outfalls by 2025.

County Totals **Wayne**

RTB (MG)
25482.74

Report Totals

RTB (MG)
29676.50

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Allegan

Allegan WWTP

Allegan WWTP

Submission ID. HP2-MXNN-A24N0

Start Day	Start Time	End Day	End Time
9/7/2020	1:20:00 PM	9/7/2020	3:00:00 PM

Waterbody: Kalamazoo River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: Roots in manhole causing raw sewage to be discharged out of manhole.

Location: 2nd St.

EGLE Action: No Additional Action Taken at this Time

Totals **Allegan WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

County Totals **Allegan**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Antrim

Bellaire CM

Bellaire CM

Submission ID. HP2-SETA-H84AC

Start Day	Start Time	End Day	End Time
9/11/2020	5:00:00 PM	9/11/2020	10:00:00 PM

Rain(in.) = 0.5

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02000		

Cause: The discharge resulted from a mainline blockage. the line had been cleaned within the previous 12 months. source of blockage material is unknown at this time.

Location: Holiday Dr.

EGLE Action: The discharge event was reviewed by the Department. No further action taken at this time

Totals **Bellaire CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02000		

County Totals **Antrim**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02000		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Barry

Gun Lake WWTP

Gun Lake WWTP

Submission ID. HNZ-PFY3-DV5XV

Start Day	Start Time	End Day	End Time
5/11/2020	5:52:00 PM	5/11/2020	6:20:00 PM

Waterbody: Payne Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00300		

Cause: Lift Station valve pit filled and overflowed due to employee error.

EGLE Action: Reviewed the actions taken by the facility to minimize the impact of the discharge. Reviewed the corrective action proposed by the facility to prevent future similar incidents. The reporting was timely, mitigation actions were appropriate, and proposed

Totals **Gun Lake WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00300		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Southwest Barry Co SWA

Southwest Barry Co SWA

Submission ID. HNW-SYPX-N5SJS

Start Day	Start Time	End Day	End Time
1/15/2020	11:21:00 AM	1/15/2020	1:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00100	

Cause: broken 1.5" pressure lead from ground movement

Location: MG

EGLE Action: No further action taken at this time

Southwest Barry Co SWA

Submission ID. HP0-X4HD-S29C3

Start Day	Start Time	End Day	End Time
6/30/2020	9:30:00 AM	6/30/2020	10:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00025	

Cause: Customer had a basement sump pump discharging into the sewer system plumbing. This pump overwhelmed the S.T.E.P. system pump. The spill was clear water overflow from the homeowners basement. The homeowner just purchased the home.

Location: MG

No further action taken at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Southwest Barry Co SWA**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00125	

County Totals **Barry**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00300	**0.00125**	

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Bay

Dow Silicones Corporation-Auburn

Dow Silicones Corporation-Auburn

Submission ID. HP2-MX4K-7R3Y9

Start Day	Start Time	End Day	End Time
9/8/2020	2:43:00 PM	9/8/2020	3:43:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Cause: An outdoor lift station malfunctioned causing a overflow that discharged to the surrounding area. The surrounding area was a combination of soil, gravel and an engineered surface (concrete).

Location: Dow Performance Silicones Auburn Site

EGLE Action: No further action taken, this was an isolated event that was appropriately mitigated and the facility is committed to prevent future SSO events.

Totals **Dow Silicones Corporation-Auburn**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

West Bay Co Regional WWTP

West Bay Co Regional WWTP

Submission ID. HP0-9EZZ-VMS0X

Start Day	Start Time	End Day	End Time
5/18/2020	9:00:00 AM	5/19/2020	4:45:00 AM

Rain(in.) = 3.7

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00020

Cause: I/I from rain and overland flooding overwhelmed the sanitary sewer system. All sanitary sewer infrastructure was functioning properly.

Location: Sanitary Sewer Manhole

EGLE Action: Compliance communication to be issued requiring plan for reporting future SSO events as required under NPDES Permit No. MI0042439

West Bay Co Regional WWTP

Submission ID. HP0-7SBH-SYHG8

Start Day	Start Time	End Day	End Time
5/18/2020	2:45:00 PM	5/19/2020	9:00:00 AM

Rain(in.) = 3.7

Waterbody: Saginaw Bay

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02280

Cause: I/I from flooding and rain overwhelmed the sanitary sewer system. All collection system infrastructure was functioning correctly.

Location: Sanitary Sewer Manhole

Compliance communication sent out.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals	West Bay Co Regional WWTP			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
				0.02300

County Totals	Bay			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00015		**0.02300**

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Benzie

Beulah WWTF

Beulah WWTF

Submission ID. HP3-EVVN-RVDM5

Start Day	Start Time	End Day	End Time
10/12/2020	12:00:00 AM	10/12/2020	10:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01000		

Cause: Pipe entering IMHOFF tank clogged with flushable wipes.

Location: Village of Beulah WWTF

EGLE Action: Violation Notice will be sent

Totals **Beulah WWTF**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01000		

County Totals **Benzie**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01000		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Berrien

Benton Harbor CM

Benton Harbor CM

Submission ID. HP0-J1FR-MQ18S

Start Day	Start Time	End Day	End Time
5/29/2020	4:00:00 PM	5/29/2020	8:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: The Sanitary sewer of Packard was backed up. It filled up to the point of the dead end manhole cover.

Location: Dead end SS Manhole on Packard just south of Brittan Ave.

EGLE Action: Violation Notice will be sent for SSO and failure to report within 24 hours.

Totals **Benton Harbor CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Buchanan WWTP

Buchanan WWTP

Submission ID. HP0-CMQQ-7GAM5

Start Day	Start Time	End Day	End Time
6/7/2020	12:55:00 PM	6/8/2020	11:00:00 AM

Waterbody: Dick Proud Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: The discharge occurred as a result of a privately owned lift station failure at 811 Rynearson Rd. Buchanan, MI. The lift station failure backed up privately owned sewer laterals. There was an unknown cross connection between the sewer laterals and stormwa

EGLE Action: No Additional Action Taken at this Time

Totals **Buchanan WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Chikaming Township CM

Chikaming Township CM

Submission ID. HNZ-S2HP-WBF5A

Start Day	Start Time	End Day	End Time
5/15/2020	8:40:00 AM	5/15/2020	9:00:00 AM

Rain(in.) = 2.27

Waterbody: Cherry Beach Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00200

Cause: Excess rain caused sustained high flows

Location: Manhole near 14056 Red Arrow Hwy.

EGLE Action: No Additional Action Taken at this Time

Totals **Chikaming Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00200

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

GRSD Sewer Authority WRRF

GRSD Sewer Authority WRRF

Submission ID. HP0-NFE7-7BWWG

Start Day	Start Time	End Day	End Time
6/20/2020	5:14:00 PM	6/20/2020	6:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: A pinhole leak in the bypass pump piping caused water to spray intermittently

Location: Bypass Pump Linkage

EGLE Action: No Additional Action Taken at this Time

GRSD Sewer Authority WRRF

Submission ID. HP1-3BW9-M0CR6

Start Day	Start Time	End Day	End Time
7/8/2020	8:28:00 AM	7/8/2020	9:37:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00250		

Cause: Raw Sewage was discharged from a broken clean out on the force main. It appears a contractor may have hit it while attempting to install a silt fence in the construction site.

Location: Lift Station 6 Force Main Clean Out

No Additional Action Taken at this Time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

GRSD Sewer Authority WRRF

Submission ID. HP4-FZQ0-YG797

Start Day	Start Time	End Day	End Time
11/23/2020	3:25:00 PM	11/23/2020	3:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00150		

Cause: The discharge occurred when contractors were testing the back-up bypass pump. Faulty pipework/connection was the reason for discharge.

Location: Lift Station 6 Bypass Pump

EGLE Action: No Additional Action Taken at this Time

Totals **GRSD Sewer Authority WRRF**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00401		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lake Charter Township CM

Lake Charter Township CM

Submission ID. HNZ-S25F-BZ2S7

Start Day	Start Time	End Day	End Time
5/15/2020	4:17:00 AM	5/15/2020	5:35:00 AM

Rain(in.) = 2.27

Waterbody: Painterville Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: Excess rain caused sustained high flows that overwhelmed the lift station

Location: Lift Station 31

EGLE Action: No Additional Actions Taken at this Time

Totals Lake Charter Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

New Buffalo CM

New Buffalo CM

Submission ID. HNW-S3R1-BPR19

Start Day	Start Time	End Day	End Time
1/13/2020	2:38:00 PM	1/13/2020	2:56:00 PM

Rain(in.) = 0.02

Waterbody: storm drain that lead to Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: the main line was clog 3 manholes up-line which was on another street, the manhole that discharge was an dead-end manhole, which back up.

Location: manhole between 14 and 22 mayhew street

EGLE Action: No additional action taken at this time

Totals New Buffalo CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

New Buffalo Township CM

New Buffalo Township CM

Submission ID. HNZ-S2VV-T5PHN

Start Day	Start Time	End Day	End Time
5/15/2020	1:09:00 PM	5/15/2020	8:30:00 PM

Rain(in.) = 2.27

Waterbody: Galien River Tributary

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01000		

Cause: Excess rain causing sustained high flows

Location: Manhole on Community Hall Road

EGLE Action: No Additional Action Taken at this Time

Totals **New Buffalo Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01000		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

St Joseph CM

St Joseph CM

Submission ID. HP3-W9FD-QJ3QM

Start Day	Start Time	End Day	End Time
10/29/2020	11:00:00 AM	10/29/2020	1:00:00 PM

Waterbody: Open storm drain (creek) with final outfall t

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00300		

Cause: Sanitary Sewer overflow caused by a plugged sewer line.

EGLE Action: Event Reviewed. Appears to be properly remediated. No further action at this time

St Joseph CM

Submission ID. HP5-6DSF-ND2BB

Start Day	Start Time	End Day	End Time
12/21/2020	4:00:00 PM	12/21/2020	5:15:00 PM

Rain(in.) = 0.25

Waterbody: open storm drain/creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00065		

Cause: Sanitary sewer main plugged. Sewage coming out of a manhole cover running down the hill to the ravine & open storm draiin.

Location: On Lakeview Ave. just south of St. Joseph High School

No Additional Action Taken at this Time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **St Joseph CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00365		

Warren Dunes Village

Warren Dunes Village

Submission ID. HNY-13MC-V61VR

Start Day	Start Time	End Day	End Time
2/24/2020	10:00:00 AM	2/24/2020	2:30:00 PM

Waterbody: Painterville Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: Pipe Blockage caused back up

EGLE Action: No Additional Action Taken at this Time

Totals **Warren Dunes Village**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

County Totals **Berrien**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02036		**0.00200**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Calhoun

Hickory Hills Village MHP

Hickory Hills Village MHP

Submission ID. HP5-EEF0-1X4KT

Start Day	Start Time	End Day	End Time
12/31/2020	11:45:00 AM	12/31/2020	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: The discharge occurred at the phase 3 lift station. During lift station maintenance the safety power discount was not fully engaged, This caused the station to overflow.

Location: Phase 3 Lift Station

EGLE Action: No Additional Action Taken at this Time

Totals **Hickory Hills Village MHP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

County Totals **Calhoun**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Cass

Ontwa Township CM

Ontwa Township CM

Submission ID. HP2-2TXZ-TSJY5

Start Day	Start Time	End Day	End Time
8/14/2020	6:45:00 PM	8/14/2020	7:10:00 PM

Waterbody: Juno Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00030		

Cause: 1 1/4" to 2" threaded coupler broken at inlet side of 2" isolation valve to 2" force main caused most likely by vibration from pump operations and settleing of cement structure supporting valve boxes.

Location: JPC3

EGLE Action: No Additional Action Taken at this Time

Ontwa Township CM

Submission ID. HP2-512X-2ZJX9

Start Day	Start Time	End Day	End Time
8/19/2020	3:15:00 PM	8/19/2020	8:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: Contractor (Asplundh Construction) for American Electric Power bored a hole in a 4" force main. Miscommunication from MISDIG.

No Additional Action Taken at this Time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Ontwa Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00080		

Sister Lakes Area Util Auth CM

Sister Lakes Area Util Auth CM

Submission ID. HP1-YXVM-RY4SS

Start Day	Start Time	End Day	End Time
8/12/2020	2:00:00 PM	8/12/2020	4:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: Lift Station Force Main, Air Relief Valve Leaking In Manhole. Filled Manhole, Spilled Onto Gravel Edge/ Right Of Way At Property At 31851 M-152 Dowagiac, MI 49047

EGLE Action: No Additional Action Taken at this Time

Totals **Sister Lakes Area Util Auth CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

County Totals **Cass**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00090		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Cheboygan

Tuscarora Twp WWTF

Tuscarora Twp WWTF

Submission ID. HNY-MTQG-148D9

Start Day	Start Time	End Day	End Time
3/29/2020	8:00:00 PM	3/29/2020	8:30:00 PM

Rain(in.) = 0.2

Waterbody: N/A

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00001

Cause: Diluted raw sewage with rain water, outlet pipe cracked at station basin wall. Turned station off and pipe was fixed morning of 3/30/20 by 10am.

Location: Grinder Station 10

EGLE Action: Followed up with facility to ensure apparent isolated problem was corrected.

Totals **Tuscarora Twp WWTF**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00001

County Totals **Cheboygan**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00001

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Chippewa

Sault Ste Marie WWTP

Sault Ste Marie WWTP

Submission ID. HNZ-D132-XSE1W

Start Day	Start Time	End Day	End Time
4/29/2020	8:45:00 PM	4/30/2020	6:00:00 PM

Rain(in.) = 2.18

Waterbody: St. Marys River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.40901

Cause: The sanitary system was overloaded due to a long rain storm. Rain fell for 24+ hours

Location: 7

SOC CSO Control Program permit language; Program performance certification elements in progress.

EGLE Action: CSO control program in NPDES permit. City is currently conducting PPC and unlikely to certify that system can transport and treat flows up the RDS

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Sault Ste Marie WWTP

Submission ID. HNZ-D132-XSE1W

Start Day	Start Time	End Day	End Time
4/29/2020	8:45:00 PM	4/30/2020	5:00:00 PM

Rain(in.) = 2.18

Waterbody: St. Marys River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.42008

Cause: The snaitary system was overloaded due to a long rain storm. Rain fell for 24+ hours

Location: 10

SOC CSO Control Program in NPDES permit language: Project performance certification phase of CSO Control program.

EGLE Action: CSO Control Program in NPDES Permit.

Sault Ste Marie WWTP

Submission ID. HP0-QJSX-D87HJ

Start Day	Start Time	End Day	End Time
6/23/2020	12:04:00 PM	6/24/2020	3:00:00 PM

Rain(in.) = 2.52

Waterbody: St Marys River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		4.57262

Cause: The sanitary system was overloaded due to a long rain storm.

Location: 7

SOC I&I removal.

CSO control program in NPDES permit. City is currently conducting PPC and unlikely to certify that system can transport and treat flows up the RDS

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Sault Ste Marie WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		5.40172

County Totals **Chippewa**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		5.40172

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Clinton

DeWitt Township CM

DeWitt Township CM

Submission ID. HNZ-VX8X-1C2Z4

Start Day	Start Time	End Day	End Time
5/18/2020	2:55:00 PM	5/18/2020	11:00:00 PM

Rain(in.) = 3.32

Waterbody: Prairie Gunderman Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.19400

Cause: The Discharge was caused by a heavy rain event that overwhelmed our collection system.

Location: LS 102

EGLE Action: To be determined by the Department

Totals **DeWitt Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.19400

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Southern Clinton Co WWTP

Southern Clinton Co WWTP

Submission ID. HNW-RBEN-QTKCY

Start Day	Start Time	End Day	End Time
1/11/2020	9:20:00 AM	1/11/2020	3:00:00 PM

Rain(in.) = 2

Waterbody: Prairie Gunderman Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.12240

Cause: This discharge was caused from an extreme rain event that caused us to discharge into a creek,rather than backing up into homes.

Location: Lift Station 102

EGLE Action: No further action taken at this time

Totals **Southern Clinton Co WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.12240

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

St Johns WWTP

St Johns WWTP

Submission ID. HNW-R8Y1-F1Y3P

Start Day	Start Time	End Day	End Time
1/11/2020	6:55:00 AM	1/11/2020	10:10:00 AM

Rain(in.) = 2.43

Waterbody: Steel-Walbridge Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.24725

Cause: See attached documents and report.

Location: Unnamed

EGLE Action: To be determined by the Department

St Johns WWTP

Submission ID. HP0-3ZA2-X3AR4

Start Day	Start Time	End Day	End Time
5/18/2020	3:45:00 PM	5/18/2020	4:48:00 PM

Rain(in.) = 2.9

Waterbody: Steel-Walbridge Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.11460

Cause: See attached documents and report.

Location: Townsend Road Lift Station

To be determined by the Department

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **St Johns WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.36185

County Totals **Clinton**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.67825

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Delta

Escanaba WWTP

Escanaba WWTP

Submission ID. HNY-NMHE-P9SXW

Start Day	Start Time	End Day	End Time
3/29/2020	1:00:00 PM	3/29/2020	8:00:00 PM

Rain(in.) = 0.68

Waterbody: Lake Michigan

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01440

Cause: Our 23rd Ave Lift Station was surcharging, with all three pumps running. We were concerned of becoming over whelmed and were in the process of preparing a small sump pump to be used as a by-pass pump in case the station was not able to keep up. (Having

Location: 23rd Avenue Lift station wet well to Stormwater Drain

EGLE Action: Consulted with facility in assessing risk factors associated with backing up wastewater into basements versus discharge to storm drain.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Escanaba WWTP

Submission ID. HP5-79VD-PW34W

Start Day	Start Time	End Day	End Time
12/22/2020	3:00:00 PM	12/22/2020	7:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Cause: Sewage over-spilled a surcharged manhole due to blockage in the sewer main downstream. All sewage was vactored up and the affected area was washed down with the side during the vacuum work.

EGLE Action: Consulted with City staff. Clean up efforts reportedly complete. Advised to report.

Totals **Escanaba WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		**0.01440**

County Totals **Delta**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		**0.01440**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Dickinson

Iron Mountain CM

Iron Mountain CM

Submission ID. HP1-MJV5-GSTCZ

Start Day	Start Time	End Day	End Time
7/29/2020	11:00:00 AM	7/29/2020	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

Cause: Cracked force sewer main pipe

Location: East Grant Street and US-2

EGLE Action: Discussed SSO with DPW Superintendent, Repair had already been completed. I suspect differential settling may have placed undue stress on the forcemain causing the failure.

Totals **Iron Mountain CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

County Totals **Dickinson**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Eaton

Dimondale/Windsor WWTP

Dimondale/Windsor WWTP

Submission ID. HNY-FYER-75AWT

Start Day	Start Time	End Day	End Time
3/18/2020	12:00:00 PM	3/18/2020	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

Cause: Sanitary sewer main break releasing pumped raw sewage

Location: MG

EGLE Action: The discharge event is currently under review by the department

Totals **Dimondale/Windsor WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Grand Ledge WWTP

Grand Ledge WWTP

Submission ID. HNW-PHA5-22SNZ

Start Day	Start Time	End Day	End Time
1/11/2020	6:52:00 AM	1/11/2020	2:38:00 PM

Rain(in.) = 2.57

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.32241

Cause: Dis charge is a diluted Wastewater flow. The discharge is due to saturated soil conditions combined with excessive rain fall.

Location: West River Lift Station

EGLE Action: It was determined that the precipitation exceeds the remedial design capacity of the facility

Grand Ledge WWTP

Submission ID. HNW-PHA5-22SNZ

Start Day	Start Time	End Day	End Time
1/11/2020	7:05:00 AM	1/11/2020	6:28:00 PM

Rain(in.) = 2.57

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.58918

Cause: Dis charge is a diluted Wastewater flow. The discharge is due to saturated soil conditions combined with excessive rain fall.

Location: Manhole #211

It was determined that the precipitation exceeds the remedial design capacity of the facility

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Grand Ledge WWTP

Submission ID. HNZ-W5AT-C719Y

Start Day	Start Time	End Day	End Time
5/18/2020	9:05:00 AM	5/19/2020	12:30:00 PM

Rain(in.) = 2.93
Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.26102

Cause: Diluted wastewater caused by extreme amount of rainfall in a short time span

Location: Manhole #211

EGLE Action: The discharge event is currently under review from the department

Grand Ledge WWTP

Submission ID. HNZ-W4TG-Q9GVA

Start Day	Start Time	End Day	End Time
5/18/2020	9:21:00 AM	5/19/2020	12:35:00 AM

Rain(in.) = 2.93
Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.13706

Cause: Diluted domestic wastewater caused by a extreme amount of rain in a short time

Location: West River Lift Station

The discharge event is currently under review by the Department

Totals Grand Ledge WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		4.30967

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

County Totals	Eaton			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00500		**4.30967**

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Emmet

DNR-Wilderness State Park

DNR-Wilderness State Park

Submission ID. HP1-F8VG-712ME

Start Day	Start Time	End Day	End Time
7/22/2020	11:00:00 PM	7/23/2020	9:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00055		

Cause: Bubbler pump failed causing depth indicator to fail. Lift pump tank overflowed causing liquid to leak out from under the manhole cover into the nearby ditch. We were able activate pumps, draw down the well and with the use of a sump pump return most of

Location: Wilderness State Park

EGLE Action: Following up with facility to confirm repairs are being made and pump station is back in service.

Totals **DNR-Wilderness State Park**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00055		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Harbor Springs Area Sewage

Harbor Springs Area Sewage

Submission ID. HP0-37M9-TCCCP

Start Day	Start Time	End Day	End Time
5/28/2020	2:30:00 PM	5/28/2020	2:35:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

Cause: Maintenance worker inadvertently shut off power to small grinder station that is maintained by the Sewer Authority

Location: Two Loons Lagoon

EGLE Action: Confirmed with facility that measures were taken to prevent power from being left off in the future.

Harbor Springs Area Sewage

Submission ID. HP0-S0YN-N9S4M

Start Day	Start Time	End Day	End Time
6/24/2020	6:00:00 PM	6/24/2020	6:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: System Backup caused by faulty underground wire owned by Consumers Energy.

Confimed power and service was restored at the station and reviewed alarm system capability with facility.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Harbor Springs Area Sewage

Submission ID. HP0-S6VG-8GVKG

Start Day	Start Time	End Day	End Time
6/25/2020	12:00:00 PM	6/25/2020	1:30:00 AM

Waterbody: Little Traverse Bay

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00175		

Cause: Partial power outage caused by 3 phase fuse and fuse holder failure on Harbor Springs Electric power pole that services the lift station. The phase monitor that protects the pumps shut down the control system (PLR) when it detected a single phase conditi

Location: Lift Station HS #6

EGLE Action: Followed up with the facility to confirm that upgrades were made to allow auto dialer to report an alarm condition during a parital power outage.

Totals Harbor Springs Area Sewage

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00187		

County Totals Emmet

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00242		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Genesee

Clio CM

Clio CM

Submission ID. HP2-ZWZY-N0PCM

Start Day	Start Time	End Day	End Time
9/18/2020	12:00:00 PM	9/23/2020	3:00:00 PM

Waterbody: Pine Run Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01000		

Cause: Unreported sanitary back-up that originated in City sewer line resulting in pooled clear liquid percolating from service cleanout to 571 West Vienna Street, Clio, MI with paper on the surface of the ground, smell (odor) flowing in to a storm drain that di

Location: MG

EGLE Action: circumstances of event under review

Totals **Clio CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01000		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Davison CM

Davison CM

Submission ID. HNW-S3X6-EED22

Start Day	Start Time	End Day	End Time
1/11/2020	6:30:00 AM	1/11/2020	9:30:00 PM

Rain(in.) = 2.53

Waterbody: Black Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.49500

Cause: Overflow of sanitary sewer due to heavy rainfall

Location: MH at 400 S. Dayton St.

EGLE Action: No further action taken at this time

Totals Davison CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.49500

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Davison Township CM

Davison Township CM

Submission ID. HNZ-5AB1-YX7SQ

Start Day	Start Time	End Day	End Time
3/26/2020	10:08:00 AM	3/26/2020	3:47:00 PM

Waterbody: Kearsley Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00140		

Cause: Forcemain break from pump station located at 7013 Davison Road.

Location: FM at 1097 Davison Rd

EGLE Action: No further action taken at this time

Totals **Davison Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00140		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Flint WWTP

Flint WWTP

Submission ID. HNX-410G-D61KE

Start Day	Start Time	End Day	End Time
1/27/2020	4:30:00 PM	1/27/2020	6:00:00 PM

Waterbody: NA

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: During the evening of January 27th, 2020, Water Pollution Control Operations Supervisor Don Lewis observed what appeared to be raw wastewater that had discharged from a Sanitary Sewer manhole near Pump Station #6 (Northeast of the intersection of Frazer S

Location: SS MH on pipe D-5608, near PS #6

EGLE Action: Draft permit requires program to reduce I/I from collection system

Flint WWTP

Submission ID. HNY-GRBK-TK1BH

Start Day	Start Time	End Day	End Time
3/25/2020	7:00:00 PM	3/26/2020	8:45:00 AM

Waterbody: NA

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00072		

Cause: Root & rag built up caused a blockage.

Location: Kearsley Blvd & Nebraska

Draft permit requires program to reduce I/I from collection system

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Flint WWTP

Submission ID. HP2-W699-Y72X8

Start Day	Start Time	End Day	End Time
9/17/2020	1:30:00 PM	9/17/2020	3:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00350		

Cause: It was a Sanitary Sewer Overflow from a nearby sanitary sewer manhole. Just several feet East of the manhole, there was a large area of standing water/sewage.

Location: Sanitary sewer manhole

EGLE Action: Draft permit requires program to reduce I/I from collection system

Flint WWTP

Submission ID. HP4-EY82-B2XK9

Start Day	Start Time	End Day	End Time
11/22/2020	5:18:00 AM	11/22/2020	5:25:00 AM

Waterbody: Flint River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02555		

Cause: Raw sewage from the 3rd Ave. Pumping Station, which discharged to the Flint River because of a loss of power from a Consumers Energy line.

Location: 3rd Ave Pumping Station overflow

Draft permit requires program to reduce I/I from collection system

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Flint WWTP

Submission ID. HP4-PQVZ-1KJF6

Start Day	Start Time	End Day	End Time
12/1/2020	8:00:00 AM	12/1/2020	9:15:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00600		

Cause: Sewer blockage.

Location: Glenwood Cemetery

EGLE Action: Draft permit requires program to reduce I/I from collection system

Totals **Flint WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03582		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Genesee Co #7-Argentine WWSL

Genesee Co #7-Argentine WWSL

Submission ID. HNZ-PD1F-TQP4D

Start Day	Start Time	End Day	End Time
5/11/2020	2:30:00 PM	5/11/2020	5:30:00 PM

Waterbody: Lobdell Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00080

Cause: A private contractor was installing new seawall next to existing seawall for a private homeowner. Ran over curb stop (shut off valve) with excavator causing a break ~4' below ground level. In efforts to locate the break, sewer water and infiltration from

EGLE Action: No further action at this time

Genesee Co #7-Argentine WWSL

Submission ID. HP2-QD7F-DQ6Z2

Start Day	Start Time	End Day	End Time
9/12/2020	2:30:00 PM	9/12/2020	4:10:00 PM

Waterbody: Lobdell Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Cause: A private homeowner at 16163 Knob Hill Drive doing work on his driveway failed to call MISDIG prior to performing work on a driveway with a Skid Steer. The excavation work broke a pressurized cleanout causing raw sewage to flow down the driveway into a l

Location: MG

Reviewed circumstances of discharge - line damaged by homeowner, GCDC-WWS assured proper repair and cleanup. No further action at this time.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Genesee Co #7-Argentine WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		**0.00080**

County Totals **Genesee**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04725		**0.49580**

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Gladwin

Butman Twp WWTP

Butman Twp WWTP

Submission ID. HNZ-WQR9-BGDZ3

Start Day	Start Time	End Day	End Time
5/18/2020	11:00:00 PM	5/19/2020	1:00:00 AM

Rain(in.) = 4.5

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: About 4" of rain fall in less than 48 hours.

Location: Influent Channel

EGLE Action: Storm event exceeded 24 hr- 25 yr remedial design standard. Even twas contained and the facility is working to prevent future events with installation of containment berm. No further action taken.

Butman Twp WWTP

Submission ID. HP5-1V77-Y521Q

Start Day	Start Time	End Day	End Time
12/12/2020	1:00:00 PM	12/13/2020	10:30:00 PM

Waterbody: Sugar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02200		

Cause: Power outage disabled control panel. This caused pumps to not work. The wet well overflowed and also the can station filled with water.

Location: Station 16; 4629 North Hockaday rd

Violation Notice sent on 1/21/21

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Butman Twp WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02210		

County Totals **Gladwin**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02210		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Gogebic

Bessemer Twp WWSL

Bessemer Twp WWSL

Submission ID. HNY-PA94-4WJYS

Start Day	Start Time	End Day	End Time
3/29/2020	12:00:00 AM	3/29/2020	4:00:00 AM

Rain(in.) = 1.5

Waterbody: Black River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01680

Cause: The interceptor manhole on the east side of the Ramsay Park could not keep up with the flow due to 1.5 inches of rain, snow melt, and I&I in the sewer system over the weekend. The overflow is in place to insure houses do not flood.

Location: Diversion manhole - Black River

EGLE Action: Requiring I&I removal

Totals **Bessemer Twp WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01680

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Wakefield WWSL

Wakefield WWSL

Submission ID. HNY-M07Q-WSFZF

Start Day	Start Time	End Day	End Time
3/29/2020	1:00:00 AM	3/29/2020	7:00:00 AM

Rain(in.) = 0.43
Waterbody: Sunday Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.28481

Cause: A major failure of all three pumps. Used a four-inch house to discharge into a ditch line.

Location: ditch parallel to Putnam St

SOC demonstrate sanitary sewer transmission capacity

EGLE Action: permit condition to address wet weather flow

Wakefield WWSL

Submission ID. HNY-M07Q-WSFZF

Start Day	Start Time	End Day	End Time
3/29/2020	1:00:00 AM	3/29/2020	7:00:00 AM

Rain(in.) = 0.43
Waterbody: Sunday Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.28481

Cause: A major failure of all three pumps. Used a four-inch house to discharge into a ditch line.

Location: ditch parallel to Putnam St

SOC demonstrate sanitary sewer transmission capacity

permit condition to address wet weather flow

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Wakefield WWSL

Submission ID. HNY-M07Q-WSFZF

Start Day	Start Time	End Day	End Time
3/29/2020	2:00:00 AM	3/29/2020	4:00:00 AM

Rain(in.) = 0.49

Waterbody: Little Black River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02500

Cause: Pump failure. .49" rainfall with snowmelt. 4-inch discharge.

Location: marshland near Little Black River

SOC demonstrate transmission capacity

EGLE Action: permit condition to address wet weather flow

Wakefield WWSL

Submission ID. HP2-6DJG-8DY68

Start Day	Start Time	End Day	End Time
8/21/2020	11:50:00 PM	8/22/2020	3:30:00 PM

Waterbody: Planter Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.08800

Cause: The City experienced a torrential rain event that produced an estimated 3.75" of rain in less than three hours. Additionally, due to severe storms, two pumps in the main lit station were knocked offline.

Location: Putnam and US-2

SOC report corrective actions, provide Project Performance demonstration or propose work condition for I&I removal and transmission demonstration in Permit conditions

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals	Wakefield WWSL			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
				0.68263

County Totals	Gogebic			
		Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
				0.69943

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Grand Traverse

Traverse City CM

Traverse City CM

Submission ID. HNX-3AEY-6954D

Start Day	Start Time	End Day	End Time
1/27/2020	11:50:00 AM	1/27/2020	12:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: Sewage was discharging out of a covered manhole. Manhole ssm-421. During the cleaning process we discovered a large amount of shop rags in the sanitary sewer main and on the cleaning nozzle. I believe the shop rags played an integral part in this back

Location: SSM-421

EGLE Action: Talked to City about using lime to disinfect spills on the ground. They will talk to businesses in the are about rags entering the sewer system

Traverse City CM

Submission ID. HNX-GPQM-

Start Day	Start Time	End Day	End Time
2/11/2020	5:30:00 PM	2/11/2020	7:04:00 PM

Waterbody: East Bay - Lake Michigan - please see attach

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01100		

Cause: Please see attachments

Discussed issues with system owner and the Part 41 engineer will review lift station issues

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Traverse City CM

Submission ID. HP0-3T93-4Q1BN

Start Day	Start Time	End Day	End Time
5/28/2020	1:25:00 PM	5/28/2020	11:35:00 PM

Rain(in.) = 3

Waterbody: Boardman River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05400		

Cause: After a heavy rain event on Thursday May 28, 2020 (3 inches in 1 hour), one of the 3 pumps at the Front Street lift station failed to operate in the auto mode leading to a delayed startup which resulted in the sewer system backing up. The lift station's w

Location: Record Eagle parking Lot

EGLE Action: Compliance Communication sent. City is currently conduction I/I investigation and has committed to wet weather source removal

Traverse City CM

Submission ID. HP0-E1CG-37M10

Start Day	Start Time	End Day	End Time
6/10/2020	7:40:00 PM	6/10/2020	9:40:00 PM

Rain(in.) = 1.5

Waterbody: Boardman River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00250		

Cause: Sewage discharged from multiple manholes located behind 116 W Front street, due to a heavy rain event that overwhelmed the capacity of the system.

Location: manholes 1395, 1396 and 1397 (Record Eagle)

SOC Submit response on how the City is addressing these events and how they are working to prevent future events

Compliance Communication Sent

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Traverse City CM

Submission ID. HP0-E1CG-37M10

Start Day	Start Time	End Day	End Time
6/10/2020	7:40:00 PM	6/10/2020	9:40:00 PM

Rain(in.) = 1.5

Waterbody: West Grand Traverse Bay

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00250		

Cause: Sewage discharged from multiple manholes located behind 116 W Front street, due to a heavy rain event that overwhelmed the capacity of the system.

Location: manholes 1395, 1396 and 1397 (Record Eagle)

SOC Submit response on how the City is addressing these events and how they are working to prevent future events

EGLE Action: Compliance Communication Sent

Traverse City CM

Submission ID. HP1-CRW0-8S7N1

Start Day	Start Time	End Day	End Time
7/18/2020	11:45:00 AM	7/18/2020	12:45:00 PM

Rain(in.) = 2.7

Waterbody: Boardman River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00120		

Cause: Sewage discharged from multiple manholes located behind 120 W Front street, due to a heavy rain event that overwhelmed the capacity of the system.

Location: Manholes 1395, 1396 and 1397 (Record Eagle)

Compliance Communication sent. City is currently conduction I/I investigation and has committed to wet weather source removal

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Traverse City CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.07125		

County Totals **Grand Traverse**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.07125		

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Gratiot

St Louis WWTP

St Louis WWTP

Submission ID. HNZ-WVEJ-Y2Q2Y

Start Day	Start Time	End Day	End Time
5/18/2020	12:00:00 PM	5/19/2020	12:00:00 PM

Rain(in.) = 3.7

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00004		

Cause: Area was inundated with heavy rainfall causing sewers to back up. DPW monitoring sanitary sewer manholes near these homes showed the flow between 8" and 12" of the castings. No flow came out of the structures. Many residences experienced slow toilets,

EGLE Action: No further action taken at this time

Totals **St Louis WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00004		

County Totals **Gratiot**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00004		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Hillsdale

Hillsdale CM

Hillsdale CM

Submission ID. HNW-JS9Q-D3FW1

Start Day	Start Time	End Day	End Time
1/5/2020	1:50:00 PM	1/6/2020	8:30:00 AM

Waterbody: Rainey Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00150		

Cause: Raw sewage being pumped from a lift station leaking through a crack in the DI force main line at 5 feet below grade.

Location: Barber Drive lift station force main

EGLE Action: SSO event being addressed through Violation Notice.

Hillsdale CM

Submission ID. HNX-KNWJ-E7KZN

Start Day	Start Time	End Day	End Time
2/16/2020	3:30:00 PM	2/16/2020	5:30:00 PM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: Raw sewage coming from manhole due to blockage of rags.

No additional actions taken at this time.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Hillsdale CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00170		

Hillsdale WWTP

Hillsdale WWTP

Submission ID. HNX-KMNT-NMGND

Start Day	Start Time	End Day	End Time
2/16/2020	3:30:00 PM	2/16/2020	5:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: Raw sewage coming from manhole. Sewer line blocked by rags.

EGLE Action: No Action taken at this time.

Totals **Hillsdale WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Waldron CM

Waldron CM

Submission ID. HNZ-VDYN-KB0V3

Start Day	Start Time	End Day	End Time
5/18/2020	1:08:00 PM	5/18/2020	2:20:00 PM

Waterbody: storm drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01200

Cause: Heavy rainfall for past 24 hours. Lift station had electrical issues of unknown cause which blew main fuse and therefore did not send out a high water alarm.

Location: Corner of Church st and Mackinaw st

EGLE Action: No additional action taken at this time.

Totals **Waldron CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01200

County Totals **Hillsdale**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00190		**0.01200**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Huron

Bad Axe WWTP

Bad Axe WWTP

Submission ID. HNZ-5B3H-DTYAD

Start Day	Start Time	End Day	End Time
4/17/2020	8:45:00 AM	4/17/2020	6:45:00 PM

Waterbody: Bad Axe Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00210		

Cause: Water discharging via two manhole lid pick holes at apprx 3.5gpm. Main blocked apprx 300' upstream of receiving lift station. Debris observed consisted of cloth/rags, grease, feminine hygiene products including plastic applicators.

Location: Manhole

EGLE Action: No further action required. The event was caused by users of the system flushing nonflushable items, leading to a blockage. The treatment facility has reached out to the suspected sources of the blockage and is working to prevent afurther SSO events.

Totals **Bad Axe WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00210		

County Totals **Huron**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00210		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Ingham

Delhi Township CM

Delhi Township CM

Submission ID. HP2-BAP8-5786W

Start Day	Start Time	End Day	End Time
7/20/2020	12:00:00 PM	8/18/2020	10:00:00 AM

Waterbody: Grovenburg & Menger Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01680		

Cause: Force main pipe was damaged causing a small leak. Leak was found due to residents complaining of odor. The discharge was from a private sewer pipe; not part of Delhi's public system.

Location: MG

EGLE Action: reviewed circumstances of discharge and follow-up actions. No further action at this time.

Totals **Delhi Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01680		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

East Lansing WRRF

East Lansing WRRF

Submission ID. HNW-PKX8-N5K66

Start Day	Start Time	End Day	End Time
1/11/2020	6:40:00 AM	1/11/2020	10:00:00 PM

Rain(in.) = 2.29

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		11.80000

Cause: Sanitary sewer overflow to storm drain caused by heavy infiltration during rain event.

EGLE Action: Long-term Control Program complete; controls included both sewer separation and construction of a retention treatment basin (RTB) and tunnel.

East Lansing WRRF

Submission ID. HNZ-VCGC-VBJDY

Start Day	Start Time	End Day	End Time
5/18/2020	1:00:00 PM	5/19/2020	2:20:00 AM

Rain(in.) = 2.19

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		8.95000

Cause: Sanitary sewer overflow to storm drain caused by heavy infiltration during major rain event.

Long-term Control Program complete; controls included both sewer separation and construction of a retention treatment basin (RTB) and tunnel.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **East Lansing WRRF**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		20.75000

Lansing WWTP

Lansing WWTP

Submission ID. HNW-S496-XKRY0

Start Day	Start Time	End Day	End Time
1/11/2020	9:04:00 AM	1/11/2020	4:15:00 PM

Rain(in.) = 2.19

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.38880

Cause: Bypass pumped from a sanitary manhole located at 321 E. Holmes Street. The sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: 321 E Holmes Rd

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-S496-XKRY0

Start Day	Start Time	End Day	End Time
1/11/2020	9:59:00 AM	1/11/2020	12:40:00 PM

Rain(in.) = 2.19

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.14580

Cause: Bypass pumped from a sanitary manhole located at the intersection of Lowcroft and W. Rouse. The sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: Lowcroft Rd & W Rouse St

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-S496-XKRY0

Start Day	Start Time	End Day	End Time
1/11/2020	10:09:00 AM	1/11/2020	1:55:00 PM

Rain(in.) = 2.19

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.05400

Cause: Bypass pumped from a sanitary manhole located at 3816 Schlee Street. The sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: 3816 Schlee Street

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-S496-XKRY0

Start Day	Start Time	End Day	End Time
1/11/2020	11:30:00 AM	1/11/2020	3:45:00 PM

Rain(in.) = 2.19

Waterbody: Lake in the Former Waverly Golf Course

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.07018

Cause: Bypass pumped from a sanitary manhole located at the intersection of Dryer Farm Road and Upton Road The sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: Dryer Farm Rd & Upton Rd

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-S496-XKRY0

Start Day	Start Time	End Day	End Time
1/11/2020	1:17:00 PM	1/11/2020	2:15:00 PM

Rain(in.) = 2.19

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.05400

Cause: Bypass pumped from a sanitary manhole located at 4619 Palmer. The sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: 4619 Palmer St

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-TJHW-

Start Day	Start Time	End Day	End Time
1/11/2020	4:46:00 PM	1/13/2020	1:56:00 AM

Rain(in.) = 2.19

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	6.83800	

Cause: SSO was due to excess water in the system due to a heavy rainfall event. Discharge is from the Harton Street Equalization Basin. Flow into the basin passes through a swirl concentrator which returns heavier solids to the wet well. The basin also provides

Location: Harton Street Equalization Basin 007

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNW-S496-XKRY0

Start Day	Start Time	End Day	End Time
1/11/2020	5:30:00 PM	1/11/2020	5:45:00 PM

Rain(in.) = 2.19

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00490

Cause: Bypass pumped from a sanitary manhole located at 3816 Schlee Street. The sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: 3816 Schlee St

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W01M-P4W5P

Start Day	Start Time	End Day	End Time
5/18/2020	3:00:00 PM	5/18/2020	5:00:00 PM

Rain(in.) = 2.66

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01140

Cause: Bypass pumping from a sanitary sewer manhole to a catch basin to alleviate residential basement flooding. Pump station not able to keep up. Conditions exacerbated by inflow and infiltration from excessive rainfall.

Location: Boynton Drive Bypass Pumping

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W01M-P4W5P

Start Day	Start Time	End Day	End Time
5/18/2020	3:30:00 PM	5/18/2020	7:30:00 PM

Rain(in.) = 2.66

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.43200

Cause: Bypass pumping from a sanitary sewer manhole to a catch basin to alleviate residential basement flooding. Pump station not able to keep up. Conditions exacerbated by inflow and infiltration from excessive rainfall.

Location: Tecumseh River Bypass Pumping

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W37K-ZVBKY

Start Day	Start Time	End Day	End Time
5/18/2020	4:00:00 PM	5/19/2020	6:00:00 AM

Rain(in.) = 2.66

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.75600

Cause: Bypass pumped from a sanitary manhole located at 321 E. Holmes Road. The Sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: 321 E. Holmes Road

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W37K-ZVBKY

Start Day	Start Time	End Day	End Time
5/18/2020	5:30:00 PM	5/18/2020	11:20:00 PM

Rain(in.) = 2.66

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.31320

Cause: Bypass pumped from a sanitary manhole located at the intersection of Lowcroft and Rouse. The Sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: The intersection of Lowcroft Ave. and W. Rouse St.

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W37K-ZVBKY

Start Day	Start Time	End Day	End Time
5/18/2020	6:45:00 PM	5/18/2020	8:25:00 PM

Rain(in.) = 2.66

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.09180

Cause: Bypass pumped from a sanitary manhole located at the intersection of Lowcroft and Bel-Air The Sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: The Intersection of Lowcroft Ave. and Bel-Air Lane

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W01M-P4W5P

Start Day	Start Time	End Day	End Time
5/18/2020	7:04:00 PM	5/20/2020	11:42:00 PM

Rain(in.) = 2.66

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	12.56800	

Cause: SSO due to excess water in the system due to a heavy rainfall event. Discharge is from the Harton Street Equalization Basin. Flow into the basin passes through a swirl concentrator which returns heavier solids to the wet well . The basin also provides so

Location: Harton Street Equalization Basin 007

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W37K-ZVBKY

Start Day	Start Time	End Day	End Time
5/18/2020	7:20:00 PM	5/19/2020	6:00:00 AM

Rain(in.) = 2.66

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.57780

Cause: Bypass pumped from a sanitary manhole located at W. Cavanaugh at Everett High School. The Sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: W. Cavanaugh Rd. at Everett High School

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lansing WWTP

Submission ID. HNZ-W37K-ZVBKY

Start Day	Start Time	End Day	End Time
5/18/2020	11:30:00 PM	5/18/2020	11:39:00 PM

Rain(in.) = 2.66

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00540

Cause: Bypass pumped from a sanitary manhole located at the intersection of Lowcroft and Bel-Air The Sewer was surcharged, causing basement backups. This was due to a heavy rainfall event. Bypass pumped until the surcharging abated.

Location: The Intersection of Lowcroft Ave. and Bel-Air Lane

SOC CSO/SSO elimination

EGLE Action: Long-term Control Program being implemented; an Administrative Consent Order (ACO) with integrated plan requirements to correct CSO and SSO discharges. The ACO requires that core CSO correction be completed by December 31, 2032. The remaining CSO correc

Totals Lansing WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	19.40600	**2.90527**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Mason WWTP

Mason WWTP

Submission ID. HNZ-VXC8-P38D7

Start Day	Start Time	End Day	End Time
5/18/2020	6:40:00 PM	5/19/2020	3:30:00 PM

Rain(in.) = 3.02

Waterbody: Sycamore Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.62800

Cause: Diluted wastewater . The wastewater treatment plant could not handle the flows from the collection system. To prevent sewage backups the city had no other option but to send some of this influent to the Rayner Drain.

Location: Rayner Drain

SOC ACO

EGLE Action: City is under ACO

Totals Mason WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.62800

County Totals Ingham

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01680	**19.40600**	**26.28327**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Ionia

Lakewood WW Auth CM

Lakewood WW Auth CM

Submission ID. HNW-RA2N-Y5QEF

Start Day	Start Time	End Day	End Time
1/11/2020	3:40:00 AM	1/11/2020	9:35:00 PM

Rain(in.) = 2.89

Waterbody: Woodland Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.25000

Cause: Due to heavy rainfall

Location: Pump Station 11

EGLE Action: None. The LWA is constructing a gravity interceptor to relieve the bottleneck in the collection system.

Lakewood WW Auth CM

Submission ID. HNW-R9NZ-SE7WP

Start Day	Start Time	End Day	End Time
1/11/2020	9:27:00 AM	1/11/2020	12:15:00 PM

Rain(in.) = 2.89

Waterbody: Jordan Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00950

Cause: due to heavy rainfall

Location: Pump Station 12

NONE. The LWA is currently in the process of constructing a gravity interceptor to eliminate the bottleneck in the collection system.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lakewood WW Auth CM

Submission ID. HNZ-W5RT-APPZP

Start Day	Start Time	End Day	End Time
5/15/2020	4:20:00 AM	5/15/2020	9:50:00 AM

Rain(in.) = 3.1

Waterbody: Woodland Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.09900

Cause: due to heavy rainfall

Location: Lift Station 11 - 5555 Woodland Road, Woodland MI. 48897

EGLE Action: None needed at this time. The facility is already constructing improvements to address the wet weather capacity problems.

Lakewood WW Auth CM

Submission ID. HNZ-W7C2-YT9P2

Start Day	Start Time	End Day	End Time
5/17/2020	7:55:00 PM	5/20/2020	5:45:00 AM

Rain(in.) = 3.48

Waterbody: Woodland Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.34700

Cause: due to heavy rain

Location: Lift Station 11 - 5555 Woodland Road, Woodland MI. 48897

None at this time. The LWA has begun the process to improve lift stations, add a new gravity interceptor and force main.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lakewood WW Auth CM

Submission ID. HNZ-W6VS-CJB81

Start Day	Start Time	End Day	End Time
5/18/2020	5:02:00 AM	5/18/2020	11:41:00 PM

Rain(in.) = 3.48

Waterbody: Jordan Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.17685

Cause: Due to heavy rain

Location: Lift Station 12 - 1619 Jordan Lake St.

EGLE Action: None needed at this time. The LWA has begun construction project to add new gravity interceptor and forcemain and to upgrade LSs to address wet weather capacity issues.

Lakewood WW Auth CM

Submission ID. HP0-JX5P-K03N6

Start Day	Start Time	End Day	End Time
6/16/2020	11:55:00 AM	6/16/2020	12:20:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: performing air release maintenance and 2' ball valve failed.

Location: Herbrucks Forcemain - Ball valve below air release

None needed at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lakewood WW Auth CM

Submission ID. HP1-XAVQ-M2KMT

Start Day	Start Time	End Day	End Time
8/7/2020	2:14:00 PM	8/7/2020	2:45:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: Air release failed open allowing water to pass through.

Location: Herbrucks Foremain- Air release

EGLE Action: None needed at this time

Lakewood WW Auth CM

Submission ID. HP2-2NWE-T9K7E

Start Day	Start Time	End Day	End Time
8/14/2020	4:02:00 PM	8/14/2020	4:35:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

Cause: air release failed open allowing water to pass through

Location: Herbrucks Foremain - Air Release

None needed at this time. The POTW send VN to their SIU who caused problem

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lakewood WW Auth CM

Submission ID. HP2-DVNR-1VFPS

Start Day	Start Time	End Day	End Time
8/27/2020	9:22:00 AM	8/27/2020	9:50:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00008		

Cause: air release failed due to plastic materials in the wastewater

Location: Herbrucks Forcemain - Air Release

EGLE Action: None needed at this time. The POTW has sent VN to SIU for the problem

Lakewood WW Auth CM

Submission ID. HP2-DW2Z-PKW98

Start Day	Start Time	End Day	End Time
8/29/2020	8:28:00 AM	8/29/2020	8:50:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: air release failed due to plastic materials in the wastewater

Location: Herbrucks Forcemain - Air Release

None needed at this time. LWA sent SIU Violation Notice for the problem they caused.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lakewood WW Auth CM

Submission ID. HP3-PGJ8-D7J94

Start Day	Start Time	End Day	End Time
10/19/2020	9:35:00 AM	10/19/2020	4:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03420		

Cause: While installing our new 24" forcemain to get more wastewater to the WWTP . The contractor hit the 12" forcemain with the bucket on their excavator, rupturing the pipe. All of the wastewater was contained in the construction hole. Septic haulers pumped it

Location: Broken 12" Forcemain at 1750 Huddle Rd. Lake Odessa, MI. 48849

SOC Construction of new force main, upgrades to Pump Station 16 and gravity interceptor

EGLE Action: None needed at this time

Lakewood WW Auth CM

Submission ID. HP3-PH65-J7Z5E

Start Day	Start Time	End Day	End Time
10/19/2020	1:49:00 PM	10/20/2020	4:45:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01410		

Cause: While installing our new 24" forcemain to allow more flow to the plant. The contractor hit the cleanout pipe breaking the bell on the Y in the forcemain. The forcemain was already out of service due to a break in another location on the forcemain earlier

Location: Broken 12" Forcemain at 1401 Tupper Lake Rd. Lake Odessa, MI. 48849

SOC Construction of new gravity sewer, forcemain & upgrade to PS #16

No further action at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Lakewood WW Auth CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04896		**0.88235**

McDonalds-Lake Odessa

McDonalds-Lake Odessa

Submission ID. HNX-45J2-YVFC5

Start Day	Start Time	End Day	End Time
1/27/2020	12:20:00 PM	1/27/2020	12:35:00 PM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: Broken sewer line under road, noticed by Police officer who then notified Lakewood waste Authority. Doug showed up on site and discharge had stopped before his arrival. We at that time after talking with Doug shut off our lift station and closed the resta

Location: Intersection of Virginia & M-50

EGLE Action: None at this time. The restaurant owner was unaware he needed to call a local newspaper.

Totals **McDonalds-Lake Odessa**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

County Totals **Ionia**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04901		**0.88235**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Iosco

Tawas City CM-Iosco

Tawas City CM-Iosco

Submission ID. HNZ-V919-N237P

Start Day	Start Time	End Day	End Time
5/18/2020	11:00:00 AM	5/19/2020	8:00:00 AM

Rain(in.) = 7.97

Waterbody: Tawas River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.06300		

Cause: Sanitary Sewage is boiling out of manhole.The discharge is caused due to extremely heavy rain fall causing Flooding

Location: Ninth Ave - Manhole # 427

EGLE Action: No further action taken, storm event far exceeded remedial design 24 hr, 25 yr event.

Tawas City CM-Iosco

Submission ID. HNZ-V919-N237P

Start Day	Start Time	End Day	End Time
5/18/2020	9:00:00 PM	5/19/2020	8:00:00 PM

Rain(in.) = 7.97

Waterbody: Dead Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03900		

Cause: Sanitary Sewage is boiling out of manhole.The discharge is caused due to extremely heavy rain fall causing Flooding

Location: Eight Ave Manhole #44B

No further action taken, storm event far exceeded remedial design 24 hr, 25 yr event.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Tawas City CM-Iosco**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.10200		

County Totals **Iosco**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.10200		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Iron

Crystal Falls WWTP

Crystal Falls WWTP

Submission ID. HP1-9KAD-VZ43W

Start Day	Start Time	End Day	End Time
7/15/2020	7:00:00 AM	7/15/2020	7:10:00 AM

Rain(in.) = 1.5

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00400

Cause: we are working on repairing pump #1. pump #2 failed to start and pump #3 could not keep up with the influent material

Location: Main lift station grit manhole

EGLE Action: previous Compliance Communication to remove I&I with sewer upgrades and upgrade lift station and forcemain

Totals **Crystal Falls WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00400

County Totals **Iron**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00400

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Jackson

Leoni Township CM

Leoni Township CM

Submission ID. HNW-JPV6-BRHEB

Start Day	Start Time	End Day	End Time
1/5/2020	4:00:00 PM	1/5/2020	5:30:00 PM

Waterbody: Michigan Center Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00040		

Cause: Main Sewer line blockage on Cooks Landing

EGLE Action: No additional actions taken at this time.

Leoni Township CM

Submission ID. HNZ-3ZKE-YDMBH

Start Day	Start Time	End Day	End Time
4/18/2020	3:00:00 PM	4/18/2020	11:30:00 PM

Waterbody: Kennedy Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00095		

Cause: Manhole near address 152 N Dettman Rd overflowed due Collapse sewer east Dettman. Crews replaced manhole in Dettman and line running east to the next man hole.

No additional actions taken at this time.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Leoni Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00135		

Leoni Twp WWTP

Leoni Twp WWTP

Submission ID. HNW-S2NX-3YPCN

Start Day	Start Time	End Day	End Time
1/11/2020	5:00:00 PM	1/14/2020	4:45:00 PM

Rain(in.) = 3

Waterbody: NA

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: A pipe from the lagoon started to leak on the south side of the lagoon wall. The pipe was supposed to be filled and abandoned according to the as built prints that we have at the plant. Discharge flowed into old lagoon area, which appeared to be a large v

Location: NA

EGLE Action: Informal Compliance & Enforcement Action taken.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Leoni Twp WWTP

Submission ID. HP0-1M4Z-627DJ

Start Day	Start Time	End Day	End Time
5/25/2020	5:00:00 PM	6/27/2020	10:00:00 AM

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	12.00000	

Cause: Due to extremely high flows for the week of 5.17.2020 , the emergency use basin was nearing capacity. The basin was pump down to safe level, due to the heavy influent flows, maintenance had to be preformed on the filters to recover permeate flow rate. Du

Location: 1

EGLE Action: Referred for escalated enforcement

Totals Leoni Twp WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100	**12.00000**	

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Sherman Oaks MHP WWSL

Sherman Oaks MHP WWSL

Submission ID. HNY-VWMM-WG7T2

Start Day	Start Time	End Day	End Time
4/7/2020	10:00:00 PM	4/8/2020	9:00:00 AM

Rain(in.) = 0.04
Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00030

Cause: Lift station breakers tripped during the late evening storms in the area.

EGLE Action: No further action taken at this time.

Sherman Oaks MHP WWSL

Submission ID. HP2-94G2-ZWXA2

Start Day	Start Time	End Day	End Time
8/18/2020	7:00:00 PM	8/19/2020	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00030		

Cause: Discharge from a sewer riser on a vacant site due to a clog in the sewer main. Cap was missing from the riser

Violation Notice issued on 9/3/20

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Sherman Oaks MHP WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00030		**0.00030**

County Totals **Jackson**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00265	**12.00000**	**0.00030**

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Kalamazoo

Andrews Estates Mobile Home

Andrews Estates Mobile Home

Submission ID. HNY-MT8N-HKAHP

Start Day	Start Time	End Day	End Time
3/6/2020	3:00:00 PM	3/6/2020	5:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: Broken Gravity Line

EGLE Action: Event reviewed and remediated by facility. No further action taken at this time

Totals **Andrews Estates Mobile Home**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Colonial Acres

Colonial Acres

Submission ID. HP5-DNZK-B9KN8

Start Day	Start Time	End Day	End Time
12/29/2020	11:00:00 AM	12/29/2020	5:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00008		

Cause: We received a call from the resident that they tried to clear a blockage and disconnected their sewer main from our service line. We contacted our sewer vendor to investigate the cause and determined we had a main line blockage that was immediately cleare

Location: Site 325

EGLE Action: No Additional Action Taken at this Time

Totals Colonial Acres

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00008		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Kalamazoo CM

Kalamazoo CM

Submission ID. HNX-Q662-X1JH0

Start Day	Start Time	End Day	End Time
2/21/2020	3:30:00 PM	2/21/2020	5:00:00 PM

Waterbody: Portage Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Cause: The discharge was caused by a broken sewer lateral on West Cedar Street curb lawn from building located at 505 South Park Street. A blockage caused the sewage to flow out of the break in the pipe. The investigation determined the cause of the blockage was

Location: Manhole on West Cedar Street Kalamazoo, Michigan

EGLE Action: Event Reviewed and properly remediated.

Kalamazoo CM

Submission ID. HNY-MWVX-RGPRM

Start Day	Start Time	End Day	End Time
3/28/2020	12:00:00 PM	3/30/2020	12:05:00 PM

Rain(in.) = 1.4

Waterbody: West Fork Portage Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03000		

Cause: The incident was caused by vandalism of the private sewer system. Landscape wooden planks were thrown into a private manhole in a wooded area.

Event reviewed and remediated.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Kalamazoo CM

Submission ID. HNY-S027-ARXZE

Start Day	Start Time	End Day	End Time
4/4/2020	4:00:00 PM	4/4/2020	6:35:00 PM

Waterbody: Arcadia Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00155		

Cause: Tree roots created blockage in sanitary sewer causing an overflow incident.

Location: Manhole at 4410 Lilac Lane Kalamazoo, Michigan

EGLE Action: Event reviewed and deemed remediated.

Kalamazoo CM

Submission ID. HP0-PVZC-NCPMM

Start Day	Start Time	End Day	End Time
6/22/2020	11:39:00 AM	6/22/2020	1:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00018		

Cause: Debris and grease within the sanitary sewer created a blockage creating an overflow incident.

Location: KC 32-160

Event reviewed and appears to be addressed.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Kalamazoo CM

Submission ID. HP1-6TF9-F7KDS

Start Day	Start Time	End Day	End Time
7/12/2020	5:28:00 PM	7/12/2020	5:50:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: Due to equipment failure (blown fuse), the lift station located on the 600 Block of Hay Mac Street stop pumping wastewater causing a Sanitary Sewer Overflow.

Location: Hay Mac Street Lift Station

EGLE Action: Event reviewed and appears to be remediated.

Kalamazoo CM

Submission ID. HP1-8WH5-MMY9T

Start Day	Start Time	End Day	End Time
7/15/2020	10:40:00 AM	7/15/2020	11:10:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: Wastewater discharged from sanitary manhole due to blockage in line from grease.

Location: Manhole KC 14-186

Event reviewed and determined to be remediated.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Kalamazoo CM

Submission ID. HP2-H0JR-YR70H

Start Day	Start Time	End Day	End Time
9/3/2020	9:30:00 PM	9/4/2020	12:05:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00010	

Cause: Clean Earth (5189 King Highway) discharge treated wastewater at flow rate greater the lift station could pump - hydraulically overwhelming the lift station causing overflow at first manhole upstream of the lift station. Please note that Clean Earth facili

Location: CM 19-025

EGLE Action: Event reviewed.

Kalamazoo CM

Submission ID. HP4-GT75-1TGES

Start Day	Start Time	End Day	End Time
11/24/2020	2:14:00 PM	11/24/2020	6:35:00 PM

Waterbody: Arcadia Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00500	

Cause: Cause for blockage of sanitary sewer main was due to vandalism. Sewer manhole was removed and debris was thrown in causing the plugging of flow.

Location: Sanitary Sewer Manhole KC 19-149

Event reviewed and appears to be remediated.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Kalamazoo CM

Submission ID. HP5-6NV2-08Y6T

Start Day	Start Time	End Day	End Time
12/22/2020	10:45:00 AM	12/22/2020	6:00:00 PM

Waterbody: State Ditch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00305		

Cause: Private sewer manhole overflowed due to blockage created by debris placed in manhole by vandals.

EGLE Action: No Additional Action taken at this Time

Totals **Kalamazoo CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03996	**0.00010**	

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Portage CM

Portage CM

Submission ID. HP4-FRWQ-2MT7Q

Start Day	Start Time	End Day	End Time
11/22/2020	8:00:00 PM	11/22/2020	9:30:00 PM

Waterbody: Davis Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: The 8" sewer line that receives the wastewater from the apartment complex became plugged which caused the back-up and overflow to occur at the manhole.

Location: 5439 Meredith Street (Davis Creek Apartments)

EGLE Action: Event reviewed and appears to be remediated. No further action taken at this time

Totals **Portage CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

County Totals **Kalamazoo**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04074	**0.00010**	

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Kent

Ada Township CM

Ada Township CM

Submission ID. HP3-3QHH-GTAQE

Start Day	Start Time	End Day	End Time
9/23/2020	10:28:00 PM	9/23/2020	11:00:00 AM

Waterbody: Spaulding storm water retention.

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00200		

Cause: Bypass pumping situation where a 4 inch plug blew out. ; A pump supervisor saw it happen, traveled in his pick-up about 2 to 3 tenths of a mile to the pump and stopped it. ; Sewage continued to run out by gravity until the pump operator returned and repla

Location: In the street intersection, Ada Drive SE and Meadowmeade Dr SE

EGLE Action: A compliance communication was sent on 10/14/20

Totals **Ada Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00200		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Algoma Township CM

Algoma Township CM

Submission ID. HP3-3NBE-8G6FT

Start Day	Start Time	End Day	End Time
9/26/2020	1:00:00 AM	9/27/2020	2:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05000		

Cause: The discharge came out of a manhole on a gravity sewer line. This was due to an 8" plastic plug getting stuck in the 10" gravity sewer main. We are unsure where the plug came from but it appears to have been in the system for a while. The resident at 111

Location: MG

EGLE Action: The discharge details, reporting, and response were reviewed by EGLE. This was an isolated incident due to a plastic plug in the sewer line with no discharge to surface water. The actions taken by the collection system operators were prompt and appropr

Totals **Algoma Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.05000		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Alpine Meadows MHC

Alpine Meadows MHC

Submission ID. HP1-SBVC-53VK0

Start Day	Start Time	End Day	End Time
8/5/2020	10:06:00 AM	8/5/2020	11:45:00 AM

Waterbody: 4 Mile Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00030		

Cause: sewer line was backed up due to tree roots. grease and sewage was over flowing onto the ground and down the road into a storm drain

EGLE Action: Requested facility develop an emergency response plan to prevent/minimize impacts of future releases (via Compliance Communication CC-002810).

Totals **Alpine Meadows MHC**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00030		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Alpine Township CM

Alpine Township CM

Submission ID. HP3-BP4E-001R4

Start Day	Start Time	End Day	End Time
10/7/2020	11:30:00 PM	10/8/2020	2:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01500		

Cause: A brick from the manhole casting fell off and into the sewer main running through the manhole. The brick moved down the main and caught the solids around the brick stopping the flow of water. The water came out of the top of the manhole structure and ran

EGLE Action: Reviewed the discharge details (brick in sewer main), reporting, and operator actions taken to address the discharge and its cause. Actions taken by the collection system operator were appropriate. No additional action by EGLE at this time.

Totals **Alpine Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01500		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Byron Center Village MHC

Byron Center Village MHC

Submission ID. HP4-QMWY-3SWWK

Start Day	Start Time	End Day	End Time
12/2/2020	2:30:00 PM	12/2/2020	6:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: December 2nd 2020 at 2:30PM, we noticed a sewer spillage at 8527 Troy St. SW. Sewer main was clogged with tree roots. B & B Water/Wastewater was onsite and extracted 500 gallons of raw sewage and removed tree roots from sewer main. Repair was completed

Location: MG

EGLE Action: EGLE staff reviewed the report and discussed the event with the facility. Facility corrective action was appropriate.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Byron Center Village MHC

Submission ID. HP5-BDDM-Q5FR1

Start Day	Start Time	End Day	End Time
12/28/2020	2:00:00 PM	12/28/2020	5:50:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: December 28th 2020 at 2:00PM, I was informed of a puddle across the road that was not going away. I walked over and at 2:10PM found sewage coming up from a manhole cover. I immediately contacted B & B Water/Wastewater. They were onsite by 3:30PM and extra

Location: MG

EGLE Action: Reviewed report. Phoned community manager to discuss their preparedness strategy. Reporting and corrective action was timely and appropriate.

Totals Byron Center Village MHC

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00150		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Cedarfield MHC

Cedarfield MHC

Submission ID. HNX-VHTB-XH7BS

Start Day	Start Time	End Day	End Time
2/26/2020	3:30:00 PM	2/26/2020	4:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Cause: 25 gallons of sewage flowed out of a manhole cover due to roots blocking the drain pipe; Hydrated lime was applied to effected area

Location: Cedarfield MHC Carnation Lane Manhole

EGLE Action: No further action at this time

Totals **Cedarfield MHC**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Grand Rapids CM

Grand Rapids CM

Submission ID. HNX-N88M-W2PT0

Start Day	Start Time	End Day	End Time
2/18/2020	12:10:00 PM	2/18/2020	2:30:00 PM

Waterbody: Plaster Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.07986		

Cause: Part of Sanitary Main 6349 between manholes 6000 and 6003 dropped down and leaked at a pipe joint due to erosion from the creek. The area supporting the pipe was undermined.

Location: 6349 between manholes 6000 and 6003

EGLE Action: None at this time

Grand Rapids CM

Submission ID. HNZ-W7XV-HGP0P

Start Day	Start Time	End Day	End Time
5/19/2020	5:15:00 AM	5/19/2020	8:05:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Cause: The 8 " sanitary sewer main in our collection system at this address was directionally bored through by a 123.NET contractor. The sand came in and plugged our sewer main and backed up in the manhole.

Location: MH # 12832

None needed at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Grand Rapids CM

Submission ID. HP2-8CGT-2AS46

Start Day	Start Time	End Day	End Time
8/24/2020	9:00:00 AM	8/24/2020	11:40:00 AM

Waterbody: Whiskey Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Cause: Bottom of the 8" sanitary main rusted out and leaked into the 72" storm main it was running through.

Location: Whiskey Creek

EGLE Action: This SSO was included a VN issued on 8/26/20

Grand Rapids CM

Submission ID. HP2-EKEP-P80X6

Start Day	Start Time	End Day	End Time
8/31/2020	1:27:00 PM	8/31/2020	2:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: Lift Station force main cracked and sewage was leaking out each time pumps turned on

Location: Oak Hollow lift station

A VN had been issued on 8/27/20 for previous SSOs and other violations.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Grand Rapids CM

Submission ID. HP2-ZWPC-6FRHD

Start Day	Start Time	End Day	End Time
9/23/2020	10:05:00 AM	9/23/2020	10:10:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: While cleaning the lift station wet well, a vactor truck back gate failed and spilled 10 gallons of sewage on the drive. The sewage was vacuumed up by another vactor truck and the leak was addressed. The affected area has been covered with lime.

Location: Remembrance Lift Station

EGLE Action: None needed for this event

Grand Rapids CM

Submission ID. HP4-ESG6-SJVVP

Start Day	Start Time	End Day	End Time
11/21/2020	11:10:00 PM	11/21/2020	11:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: Blockage in the discharge of MH 54499 Debris, rags,paper products and a circular object were blocking pipe

None needed at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Grand Rapids CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.08028		

Lowell CM

Lowell CM

Submission ID. HNZ-WRP4-98BWH

Start Day	Start Time	End Day	End Time
5/20/2020	12:00:00 PM	10/24/2020	7:40:00 AM

Rain(in.) = 2.32

Waterbody: Flat River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		9.35000

Cause: Bypass pumping of sanitary sewer system due to Grand River flooding and river water entering the sanitary sewer collection system upstream from the treatment facility. The manhole utilized for pumping is the last manhole before the flow enters the treatm

Location: Manhole outside of the Lowell Waste Water Treatment Facility

EGLE Action: EGLE pursued discussions with the City requesting information assessing the vulnerability of the City's infrastructure to wet-weather related events. The City complied and provided information regarding infrastructure and the City's plans for improvement

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lowell CM

Submission ID. HNZ-WXST-3ANZG

Start Day	Start Time	End Day	End Time
5/20/2020	3:00:00 PM	5/23/2020	12:00:00 PM

Rain(in.) = 2.32

Waterbody: Flat River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		5.81400

Cause: Bypass pumping of sanitary sewer system due to Grand River flooding and river water entering the sanitary sewer collection system, overcharging the system. The manhole utilized for pumping at this location sits off the street in a grassy area. The groun

Location: Front St @ S. Washington St manhole

EGLE Action: EGLE pursued discussions with the City requesting information assessing the vulnerability of the City's infrastructure to wet-weather related events. The City complied and provided information regarding infrastructure and the City's plans for improvement

Totals Lowell CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		15.16400

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Pinebrook Village MHC

Pinebrook Village MHC

Submission ID. HNZ-DY1M-6J1K5

Start Day	Start Time	End Day	End Time
4/30/2020	1:00:00 PM	4/30/2020	4:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00000

Cause: Sewer back up due to tree roots.

EGLE Action: Enforcement Discretion. Appropriate corrective action and reporting completed by sewer owner for this small release.

Pinebrook Village MHC

Submission ID. HP4-CW57-2Z38G

Start Day	Start Time	End Day	End Time
11/19/2020	2:45:00 PM	11/19/2020	3:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00000		

Cause: Sewer drain clogged with paper, was raw sewage.

Requested small clarifications to report and received revised report. No further action required. Facility promptly addressed this small SSO and reporting was timely.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Pinebrook Village MHC**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00000		**0.00000**

Southwood Village MHC

Southwood Village MHC

Submission ID. HNY-VTB2-QHGR7

Start Day	Start Time	End Day	End Time
4/4/2020	11:00:00 PM	4/6/2020	6:00:00 PM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: Resident had a plumbing issue, and needed to get the damaged plumbing repaired

EGLE Action: The violations were recorded in MIWaters. Enforcement discretion. The facility discharges to a municipal collection system and and onsite staff were unfamiliar with sewage release reporting requirements. Staff were cooperative and prompt with reporting

Totals **Southwood Village MHC**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

County Totals **Kent**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.14912		**15.16400**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lenawee

Adrian CM

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	10:00:00 AM	1/11/2020	8:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03000

Cause: Diluted sewage due to rain event.

Location: E03D1021

EGLE Action: No further action at this time

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	10:00:00 AM	1/11/2020	6:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02400

Cause: Diluted sewage due to rain event.

Location: G03B1006

No further action at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	10:00:00 AM	1/11/2020	3:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01500

Cause: Diluted sewage due to rain event.

Location: E04W1011

EGLE Action: No further action at this time

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	10:00:00 AM	1/11/2020	5:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02100

Cause: Diluted sewage due to rain event.

Location: E04W1011A

No further action at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	11:00:00 AM	1/11/2020	3:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02400

Cause: Diluted sewage due to rain event.

Location: E04DI013

EGLE Action: No further action at this time

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	11:00:00 AM	1/11/2020	8:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.05400

Cause: Diluted sewage due to rain event.

Location: E03DI022A

No further action at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	11:00:00 AM	1/11/2020	4:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03000

Cause: Diluted sewage due to rain event.

Location: F03D1015A

EGLE Action: No further action at this time

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	11:00:00 AM	1/11/2020	4:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03300

Cause: Diluted sewage due to rain event.

Location: H03AI001

No further action at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	12:00:00 PM	1/11/2020	5:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01500

Cause: Diluted sewage due to rain event.

Location: E05RI025

EGLE Action: No further action at this time

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	12:00:00 PM	1/11/2020	3:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00240

Cause: Diluted sewage due to rain event.

Location: 1101

No further action at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	12:00:00 PM	1/11/2020	3:00:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00240

Cause: Diluted sewage due to rain event.

Location: D05RI028

EGLE Action: No further action at this time

Adrian CM

Submission ID. HNW-RXHM-T10T8

Start Day	Start Time	End Day	End Time
1/11/2020	1:00:00 PM	1/11/2020	3:30:00 PM

Rain(in.) = 2.95

Waterbody: Raisin River South Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00750

Cause: Diluted sewage due to rain event.

Location: E04WI012

No further action at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Adrian CM

Submission ID. HNZ-C78C-6TKQ7

Start Day	Start Time	End Day	End Time
4/27/2020	3:00:00 PM	4/28/2020	12:00:00 PM

Waterbody: South Branch River Raisin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.25000		

Cause: blockage in manhole, causing manhole to surcharge and discharge out of top of manhole.

Location: F03DM083

SOC Respond to VN

EGLE Action: Violation Notice send on 5/5/20 to address discharge

Adrian CM

Submission ID. HNZ-W1B6-5E8JB

Start Day	Start Time	End Day	End Time
5/18/2020	9:45:00 PM	5/18/2020	11:00:00 PM

Waterbody: South Branch River Raisin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01050

Cause: Diluted sewage, heavy rain event.

Location: E05R1024

No actions taken by EGLE

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Adrian CM

Submission ID. HNZ-W1B6-5E8JB

Start Day	Start Time	End Day	End Time
5/18/2020	9:50:00 PM	5/18/2020	11:45:00 PM

Waterbody: South Branch River Raisin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01050

Cause: Diluted sewage, heavy rain event.

Location: G02B1005

EGLE Action: No actions taken by EGLE

Adrian CM

Submission ID. HNZ-W1B6-5E8JB

Start Day	Start Time	End Day	End Time
5/18/2020	9:50:00 PM	5/18/2020	11:45:00 PM

Waterbody: South Branch River Raisin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.05000

Cause: Diluted sewage, heavy rain event.

Location: Broad St Pump Station

No actions taken by EGLE

Totals Adrian CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.25000		**0.32930**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lenawee CDC-Loch Erin WWTP

Lenawee CDC-Loch Erin WWTP

Submission ID. HP0-8G4H-JJ8BP

Start Day	Start Time	End Day	End Time
6/3/2020	8:39:00 AM	6/3/2020	9:40:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00300		

Cause: Discharge was due to directional drilling company struck the force main while drilling fiber optic cable in ground.

EGLE Action: No actions taken by EGLE

Lenawee CDC-Loch Erin WWTP

Submission ID. HP0-KPG9-5W8C7

Start Day	Start Time	End Day	End Time
6/17/2020	10:57:00 AM	6/17/2020	12:00:00 PM

Waterbody: Loch Erin

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: discharge caused by directional drilling company struck 2" sewer main.

No actions taken by EGLE

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Lenawee CDC-Loch Erin WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00320		

Lenawee CDC-Wamplers Lk WWSL

Lenawee CDC-Wamplers Lk WWSL

Submission ID. HNX-YQWQ-M20T3

Start Day	Start Time	End Day	End Time
3/1/2020	12:41:00 PM	3/1/2020	2:30:00 PM

Waterbody: Wamplers Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: Dead end clean out hose fitting nipple leaking.

EGLE Action: No actions taken by the DEQ

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lenawee CDC-Wamplers Lk WWSL

Submission ID. HNZ-W45H-8TGNM

Start Day	Start Time	End Day	End Time
5/18/2020	8:55:00 AM	5/18/2020	10:15:00 PM

Rain(in.) = 1.84

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: Clean out hose fitting in manhole failed and caused leak to occur. Sewage flowed from manhole structure down street and into drive way of 111 Cedar St and pooled up in front of entrance door and into home.

EGLE Action: No actions taken by EGLE

Lenawee CDC-Wamplers Lk WWSL

Submission ID. HP0-HBGH-K643Q

Start Day	Start Time	End Day	End Time
6/12/2020	2:15:00 PM	6/12/2020	3:20:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

Cause: Due to storm power was out for 3 days and 4 hours. Due to all the residential grinders all coming on line when power was restored, the system was running higher pressure and caused failure of a air relief device.

Location: US 12 Right of way.

No actions will be taken by EGLE

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lenawee CDC-Wamplers Lk WWSL

Submission ID. HP0-HC4G-P10H5

Start Day	Start Time	End Day	End Time
6/12/2020	3:00:00 PM	6/12/2020	4:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00300		

Cause: Due to storm, Power was out for 3 days and 4 hours. Due to all the residential grinders all coming on line when power was restored, the system was running higher pressure and caused a lateral fitting connection to the main failed causing the leak.

Location: Vacant wood lot behind house # 190 Evans Trail

EGLE Action: No actions taken by EGLE

Lenawee CDC-Wamplers Lk WWSL

Submission ID. HP0-HCE7-G3T01

Start Day	Start Time	End Day	End Time
6/14/2020	12:30:00 PM	6/14/2020	3:45:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

Cause: Due to storm, power was out for 3 days and 4 hours. Due to all the residential grinders all coming on line when power was restored, the system was running higher pressure and caused a fitting for a clean out hose to fail.

Location: Vacant wood lot of Judson Collins Camp

No actions taken by EGLE

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lenawee CDC-Wamplers Lk WWSL

Submission ID. HP1-EC8C-GSRBC

Start Day	Start Time	End Day	End Time
7/22/2020	7:37:00 AM	7/22/2020	8:45:00 AM

Waterbody: Wamplers Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: Raw sewage from pressure main. Fitting failed on clean out hose to isolation valve in manhole structure.

EGLE Action: No actions taken by EGLE

Totals **Lenawee CDC-Wamplers Lk WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01600		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Morenci CM

Morenci CM

Submission ID. HNX-J4M7-7PDHA

Start Day	Start Time	End Day	End Time
2/12/2020	10:00:00 AM	2/12/2020	11:00:00 AM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00250		

Cause: Lift station station pumps failed to start. Home owner contacted City Manager that water was bubbling up in his backyard. Raw sewage was bubbling up though an 8 inch hole in the ground. Once pumps were started the discharge ceased.

EGLE Action: No actions taken by EGLE

Totals **Morenci CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00250		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Morenci WWSL

Morenci WWSL

Submission ID. HNY-JDV6-5JVDY

Start Day	Start Time	End Day	End Time
3/25/2020	1:00:00 PM	3/25/2020	4:00:00 PM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00200		

Cause: During construction of the bridge the construction crew hit the sewer main or the main was disturbed by the heavy equipment vibrations on the ground. The area of the break was at a joint between plastic and clay main.

Location: Silver Creek Bridge - East side by Dollar General

EGLE Action: No actions taken by the DEQ

Morenci WWSL

Submission ID. HNZ-Z5D3-3DNZ6

Start Day	Start Time	End Day	End Time
5/19/2020	6:00:00 AM	5/19/2020	12:00:00 PM

Rain(in.) = 4

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00300

Cause: The area had over 4 inches of rainfall with 12 hours. The sewer in this area surcharged and bubble out of the manhole.

Location: Wakefield Park

No new action taken by EGLE. Permittee is planning on updating system and redoing lagoons.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Morenci WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00200		**0.00300**

County Totals **Lenawee**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.27370		**0.33230**

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Livingston

Brighton Twp WWTP

Brighton Twp WWTP

Submission ID. HNW-MAW4-5XTAE

Start Day	Start Time	End Day	End Time
1/7/2020	8:00:00 AM	1/7/2020	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: Wastewater was discharged from an air relief structure. A 2 inch nipple between the force main and a secondary air relief valve developed a pinhole leak. The leak was most likely due to corrosion over the years since installation.

EGLE Action: No further action taken at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Brighton Twp WWTP

Submission ID. HP1-TWK4-1WQ7N

Start Day	Start Time	End Day	End Time
8/5/2020	1:30:00 PM	8/6/2020	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: Discharge was from a broken line connecting curb stop to main sewer.

EGLE Action: No actions taken at this time

Brighton Twp WWTP

Submission ID. HP4-CJNZ-0P28N

Start Day	Start Time	End Day	End Time
11/18/2020	12:00:00 AM	11/18/2020	2:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

Cause: On 11/18/2020 at about 9:45AM, we received another call from the 9600 block of Medinah Court stating that water was “gushing” out of the ground at that residence. We responded and discovered wastewater seeping out of the ground in a landscape area in fron

Sent Notice of Violation

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Brighton Twp WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00040		

Brighton Village MHP CM

Brighton Village MHP CM

Submission ID. HP5-DMVM-9RJ0G

Start Day	Start Time	End Day	End Time
12/29/2020	10:00:00 AM	12/29/2020	12:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

Cause: The spill consisted of raw sewage flowing from the lid of the lift station. This spill was fluid only and no solids were released ; ; Our contractual operator arrived onsite at approximately noon and inspected the lift station and determined it was a flo

Location: Brighton Village MHC, Sanitary Lift Station

SOC Respond to VN

EGLE Action: VN Issued.

Totals **Brighton Village MHP CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Fowlerville WWTP

Fowlerville WWTP

Submission ID. HP1-42AG-95WTV

Start Day	Start Time	End Day	End Time
7/6/2020	8:00:00 AM	7/9/2020	10:00:00 AM

Waterbody: Red Cedar River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00160

Cause: Sanitary interceptor cracked during street construction causing overflow into storm drain.

Location: Centennial Park Storm Drain

EGLE Action: No further action taken at this time

Totals **Fowlerville WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00160

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Hamburg Township CM

Hamburg Township CM

Submission ID. HNY-C7PR-02KP3

Start Day	Start Time	End Day	End Time
3/13/2020	12:00:00 PM	3/13/2020	3:00:00 PM

Waterbody: Storm drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00020	

Cause: Tree Service ran over a curb stop which cracked the valve below ground

EGLE Action: No further action taken at this time

Hamburg Township CM

Submission ID. HNY-V48J-9PBV1

Start Day	Start Time	End Day	End Time
3/19/2020	12:00:00 PM	4/4/2020	1:00:00 PM

Waterbody: n/a

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02000	

Cause: A new phase of a subdivision was tied into an older section. A section of sewer was supposed to be stubbed off according to plan, but was actually a line that ran into a field with no valve.

Location: n/a

No further action taken at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Hamburg Township CM

Submission ID. HP1-DFSR-043GJ

Start Day	Start Time	End Day	End Time
7/19/2020	11:30:00 AM	7/19/2020	2:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00008	

Cause: Bolt came loose from a fitting in manhole

Location: Manhole near 4277 Shoreview Ln.

EGLE Action: No further action taken at this time

Totals **Hamburg Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02028	

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Hamburg Township WWTP

Hamburg Township WWTP

Submission ID. HP0-430D-VJ8WQ

Start Day	Start Time	End Day	End Time
4/1/2020	12:00:00 AM	4/6/2020	3:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02000		

Cause: See attached

EGLE Action: VN sent on 4/13/20

Totals **Hamburg Township WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02000		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Howell Twp WWTP

Howell Twp WWTP

Submission ID. HNZ-W0EV-0FF4R

Start Day	Start Time	End Day	End Time
5/15/2020	11:15:00 AM	5/15/2020	11:17:00 AM

Rain(in.) = 1.36

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00015

Cause: Lift station lost power, onsite generator started, ran station for a short while, then fuses blew causing the pumps to not operate

Location: Trans West lift station at 1034 Austin Ct Howell, MI 48843

EGLE Action: Review of SSO event information determined that no further action is necessary at this time.

Howell Twp WWTP

Submission ID. HP1-MKDV-X793P

Start Day	Start Time	End Day	End Time
7/26/2020	1:00:00 AM	7/28/2020	1:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00072		

Cause: Received a call at 11:30 am on 7-28-2020. A resident called and said there was liquid trickling out of a manhole behind his property. He said he had seen it Sunday 7-26-2020 in the afternoon and it was such a small amount he thought it would stop on it'

Location: A manhole about 200 ft. behind a house in the block of 1200 Edgebrook dr. Howell, Mi. , it is in a easement

No action taken at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Howell Twp WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00072		**0.00015**

Howell WWTP

Howell WWTP

Submission ID. HNW-R7MS-GVAQR

Start Day	Start Time	End Day	End Time
1/11/2020	8:00:00 AM	1/12/2020	1:00:00 AM

Rain(in.) = 2.8

Waterbody: Marion Genoa Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.43860

Cause: This discharge occurred due to an extreme winter rain event that produced 2.8” of rain. This caused flows to increase past the plant capacity of the WWTP resulting in the sewer system backing up and ultimately overflowing from the manhole adjacent Pulfor

Location: Marion Genoa Drain

EGLE Action: The discharge event is currently under review by the Department

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Howell WWTP

Submission ID. HNZ-VZY5-MM2RF

Start Day	Start Time	End Day	End Time
5/18/2020	4:00:00 PM	5/19/2020	5:30:00 AM

Rain(in.) = 1.75

Waterbody: Marion and Genoa Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.18576

Cause: The WasteWater Treatment Plant recorded 1.75 inches of rain from Monday, May 18, 2020, through Tuesday, May 19, 2020. Screw pumps at the plant were unable to keep up with the flow, which caused sewage to back up in the main sewer pipe. As a result, dilut

Location: 60" Storm sewer

EGLE Action: The discharge event is currently under review by the Department

Totals Howell WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.62436

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Pinckney WWTP

Pinckney WWTP

Submission ID. HP5-DPBX-S6HMY

Start Day	Start Time	End Day	End Time
8/17/2020	6:45:00 AM	8/17/2020	6:55:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00200		

Cause: The discharge was caused due to a corroded cap on the by-pass valve in a manhole on the effluent side of Lift Station (LS) #2;; LS#1 feeds LS#2 thru an 8" force main which then sends wastewater up to the WWTF.

Location: Lift station #2

EGLE Action: The discharge is currently under review by the Department

Totals **Pinckney WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00200		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Summerbrook Condominium Asso

Summerbrook Condominium Asso

Submission ID. HNX-6JB3-AW2PV

Start Day	Start Time	End Day	End Time
1/31/2020	2:00:00 PM	2/4/2020	10:00:00 PM

Waterbody: Land only

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

Cause: A broken service lead is leaking effluent from the collection system at the curb stop valve for Unit 4 in the Summerbrooke Condominium subdivision. This is a vacant lot, and it is believed that the valve riser was driven over by a vehicle.

EGLE Action: No further action taken at this time

Totals **Summerbrook Condominium Asso**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

County Totals **Livingston**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02837	**0.02028**	**0.62611**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Luce

Newberry WWTP

Newberry WWTP

Submission ID. HNZ-V591-59RP4

Start Day	Start Time	End Day	End Time
5/16/2020	6:30:00 AM	5/16/2020	12:30:00 PM

Waterbody: Taquamenon River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.13200

Cause: Raw Sewage pump failure

Location: Number 1

SOC Submit Corrective Action Plan requiring pump rail improvements or replacement.

EGLE Action: Issuance of violation notice planned.

Totals **Newberry WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.13200

County Totals **Luce**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.13200

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Macomb

Center Line CM

Center Line CM

Submission ID. HNW-PQAV-JQPT2

Start Day	Start Time	End Day	End Time
1/11/2020	11:56:00 AM	1/12/2020	3:25:00 AM

Rain(in.) = 2.71

Waterbody: Lorraine Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		9.02600

Cause: High water alarm at Stephens Pump Station due to wet weather event during non-growth season. Wet well level continued to rise at station reaching 26.06 feet. Pumps were switched to manual to exceed the 13.0 CFS MAFL but the wet well continued to rise.

Location: Stephens Pump Station

EGLE Action: Violation Notice No. VN-010381 pending.

Totals **Center Line CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		9.02600

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Clinton Township CM

Clinton Township CM

Submission ID. HP4-S4ZP-YDQ4C

Start Day	Start Time	End Day	End Time
12/4/2020	10:00:00 AM	12/4/2020	10:30:00 AM

Waterbody: Harrington Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00008		

Cause: Raw sewage spilled while making repair to stand-pipe.

Location: Big Millar Lift Station

SOC SOC is in the ACO

EGLE Action: Compliance communication CC-003017 was sent on 12/15/2020

Totals **Clinton Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00008		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Harrison Township CM

Harrison Township CM

Submission ID. HNZ-YCMV-QWE31

Start Day	Start Time	End Day	End Time
5/20/2020	4:10:00 PM	5/21/2020	3:45:00 PM

Rain(in.) = 2.86

Waterbody: Black Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.48400

Cause: Floodwater infiltration due to extensive heavy rain and high water levels

Location: 38700 Venetian Harrison Township

EGLE Action: No further action at this time

Totals **Harrison Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.48400

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Warren WWTP

Warren WWTP

Submission ID. HNW-QC3Y-0FHEN

Start Day	Start Time	End Day	End Time
1/11/2020	11:15:00 AM	1/11/2020	6:00:00 PM

Rain(in.) = 2.96

Waterbody: Schoenherr Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.10000

Cause: The Sanitary Sewer system was overloaded and could not handle additional flow that was being discharged into it.

Location: 9 mile pump station

SOC The NPDES permit requires construction of all SSO projects to be completed by April 1, 2022

EGLE Action: NPDES permit contains schedule to eliminate blending and collection system SSOs

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Warren WWTP

Submission ID. HP1-5NRM-XGPMM

Start Day	Start Time	End Day	End Time
7/10/2020	11:40:00 PM	7/11/2020	12:05:00 AM

Rain(in.) = 3.03

Waterbody: Schoenherr Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00046

Cause: We received 3 inches of rain during this time we lost power from DTE emergency generator came on all pumps started do to high wet well level due to power failure and surged sewer lines.

Location: 9 mile pump station

SOC The NPDES permit requires construction of all SSO projects to be completed by October 1, 2021

EGLE Action: The NPDES permit contains schedule to eliminate blending at the WWTP and collection system SSOs

Totals **Warren WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.10046

County Totals **Macomb**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00008		**13.61046**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Manistee

Manistee CM

Manistee CM

Submission ID. HNW-FR9Q-HM8MJ

Start Day	Start Time	End Day	End Time
1/2/2020	4:00:00 PM	1/4/2020	10:00:00 PM

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.23000

Cause: Hydraulic overload of collection system

Location: 18

SOC Permit requires SSOs be eliminated by November 1, 2020

EGLE Action: SSO Document Reviewed by WRD. No Further Action.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Manistee CM

Submission ID. HNY-50NQ-JERN5

Start Day	Start Time	End Day	End Time
3/9/2020	8:45:00 PM	3/10/2020	11:15:00 PM

Rain(in.) = 1.13

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.35000

Cause: Hydraulic overload of collection system.

Location: 18

SOC The permit requires SSOs to be eliminatged by 11-1-2020

EGLE Action: SSO document reviewed by WRD. No further actions

Manistee CM

Submission ID. HNY-NH60-KEBGJ

Start Day	Start Time	End Day	End Time
3/29/2020	7:30:00 AM	3/31/2020	12:25:00 AM

Rain(in.) = 0.45

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.10000

Cause: Hydraulic overload of collection system.

Location: 18

SOC The permit requires SSOs be eliminated by November 1, 2020.

SSO document reviewed by WRD. No further Action

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Manistee CM

Submission ID. HNZ-CZGR-F4EYR

Start Day	Start Time	End Day	End Time
4/29/2020	6:00:00 PM	5/1/2020	6:30:00 PM

Rain(in.) = 1.28

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.84900

Cause: Hydraulic overload of collection system.

Location: 18

SOC The permit requires SSO's be eliminated by November 1, 2020.

EGLE Action: SSO Document reviewed by WRD. No Further Action

Manistee CM

Submission ID. HNZ-V8BP-B3JHZ

Start Day	Start Time	End Day	End Time
5/18/2020	9:30:00 AM	5/19/2020	11:00:00 PM

Rain(in.) = 1.66

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.73700

Cause: Hydraulic overload of collection system.

Location: 18

The City is required to construct treatment and storage for wet weather flows

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Manistee CM

Submission ID. HP0-E7RF-X5RZS

Start Day	Start Time	End Day	End Time
6/10/2020	11:45:00 PM	6/11/2020	6:45:00 PM

Rain(in.) = 1.24

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.18300

Cause: Hydraulic overload of collection system.

Location: 18

SOC Schedule for implementing a wet weather CAP incorporated into City WWTP's NPDES permit

EGLE Action: EGLE has required the City to implement a wet weather corrective action plan

Manistee CM

Submission ID. HP1-9GD4-MXQRP

Start Day	Start Time	End Day	End Time
7/15/2020	10:30:00 PM	7/16/2020	1:00:00 AM

Rain(in.) = 0.74

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.08200

Cause: Hydraulic overload of collection system

Location: 18

SOC A schedule for implementing a wet weather CAP was included in the City WWTP's NPDES permit

EGLE has required the City to implement a wet weather corrective action plan to prevent SSOs

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Manistee CM

Submission ID. HP3-R6QD-Z1ZQP

Start Day	Start Time	End Day	End Time
10/23/2020	6:30:00 AM	10/23/2020	10:30:00 AM

Rain(in.) = 1.95

Waterbody: Manistee Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.01900

Cause: Hydraulic overload of collection system.

Location: 18

SOC Construct treatment and storage for wet weather flows, address I/I

EGLE Action: EGLE is working with City to implement storage/treatment of wet weather flows

Totals Manistee CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		5.55000

County Totals Manistee

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		5.55000

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Marquette

Chocolay Township CM

Chocolay Township CM

Submission ID. HP3-8PT1-DDG2N

Start Day	Start Time	End Day	End Time
10/4/2020	4:30:00 PM	10/5/2020	4:00:00 PM

Rain(in.) = 5

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00010

Cause: Very little sewer discharge, but mixed with a lot of storm water (from surface, not I/I)

EGLE Action: Jay Parent reviewed the site with the Twp and Contractor. Scott Richards followed up with the Twp to confirm completion and return to service.

Totals **Chocolay Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00010

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

KI Sawyer WWTP-Marquette Co

KI Sawyer WWTP-Marquette Co

Submission ID. HP3-A3N0-6Q0PK

Start Day	Start Time	End Day	End Time
10/6/2020	1:00:00 PM	10/6/2020	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: Sewer backup caused by rags/flushable wipes. Raw sewage and debris flowed over a 30 by 60 foot area. SSO area was dry opon discovery. It is unknown when the overflow occurred.

Location: Northwest Corner of 5th Street and Avenue D, at Former KI Sawyer AFB, Gwinn Michigan

EGLE Action: Discussed event with K.I. Sawyer Water/Wastewater Supervisor. Public outreach (mailed brochure) regarding items which are non-flushable is deemed a good approach.

KI Sawyer WWTP-Marquette Co

Submission ID. HP4-G2G6-HG50N

Start Day	Start Time	End Day	End Time
11/22/2020	3:10:00 PM	11/28/2020	1:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.07000		

Cause: A sewer main collapsed near Scorpion street. This caused raw sewage to overflow the lowest manhole upstream.

Location: Wooded area between Caribou and Provider Streets at KI Sawyer

Maintained steady communications with Superintendent until problem resolution. Discussed CCTV inspection of the sanitary sewer with Operator to ascertain condition of remaining sanitary sewer in this location.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **KI Sawyer WWTP-Marquette Co**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.07100		

Marquette CM

Marquette CM

Submission ID. HNW-YKY2-CCHAT

Start Day	Start Time	End Day	End Time
1/21/2020	9:30:00 PM	1/21/2020	10:00:00 AM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Cause: A private sewer serving 1910 Sugar Loaf failed in the parking lot of 910 Wright. Sewage discharged (50 gal) in the parking lot of 910 Wright. A second discharge occurred at the clean out at 1910 Sugar Loaf.

EGLE Action: EGLE Marquette District Staff visited the site Jan 21, 2020. The Sugarloaf Villas Property Manager was contacted to confirm lime was applied to the affected area around the clean-out and the parking lot. The Property manager confirmed lateral repairs we

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Marquette CM

Submission ID. HP0-MEV2-XEA62

Start Day	Start Time	End Day	End Time
6/19/2020	9:20:00 PM	6/19/2020	9:50:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: Public Works was called at 9:20am for water bubbling out of a manhole. The jet rod truck was used to open a sewer main blocked by rags and grease. An estimated 10 gallons of sewage ended up on the street. No sewage made it to a storm sewer. The water drie

Location: Manhole #388 7th and Fisher

EGLE Action: District Supervisor discussed incident with Marquette Staff. City's plan to monitor the line and jet the sewer on a two-year cycle is deemed appropriate action.

Marquette CM

Submission ID. HP4-4V4G-8R02F

Start Day	Start Time	End Day	End Time
11/9/2020	10:45:00 AM	11/9/2020	12:00:00 PM

Rain(in.) = 0

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00004		

Cause: Sewer line became plugged with grease. Allowing sewage to backup out of the manhole and onto the grass.

Discussed the event with City of Marquette Staff and acknowledged the corrective plan.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Marquette CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Marquette Township CM

Marquette Township CM

Submission ID. HNY-FA8Q-QCT7Z

Start Day	Start Time	End Day	End Time
3/14/2020	9:00:00 AM	3/14/2020	11:00:00 AM

Rain(in.) = 0

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00030

Cause: Broken sewer line

EGLE Action: EGLE instructed Marquette Twp in public notification requirements. EGLE confirmed repairs were made the same day and lime was applied to affected area.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Marquette Township CM

Submission ID. HNY-FAXM-XDCB7

Start Day	Start Time	End Day	End Time
3/19/2020	3:30:00 PM	3/19/2020	4:00:00 PM

Rain(in.) = 0

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00010

Cause: Overflow was due to an electrical malfunction inside the resident's house. Proper power requirements for the e-one grinder pump were not present.

EGLE Action: EGLE confirmed the SSO had ceased upon time of notification. A follow up call to Twp representative was made to determine temporary electrical power had been restored to the grinder pump station.

Totals **Marquette Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00040

County Totals **Marquette**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.07120		**0.00050**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Mason

Tamarac Village MHP

Tamarac Village MHP

Submission ID. HP3-FTWP-WG7J6

Start Day	Start Time	End Day	End Time
10/4/2020	11:25:00 AM	10/4/2020	11:30:00 AM

Waterbody: Canal within Tamarac Village MHP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: Broken force main

Location: 2758 N Island Dr. #322

EGLE Action: Approved installation of new force main.

Totals **Tamarac Village MHP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

County Totals **Mason**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Mecosta

Big Rapids CM

Big Rapids CM

Submission ID. HP2-C777-YRZWS

Start Day	Start Time	End Day	End Time
8/28/2020	10:00:00 PM	8/29/2020	5:00:00 AM

Rain(in.) = 0.55

Waterbody: Muskegon River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00240	

Cause: Assumed to be less and 2,400 gallons. Due to excessive rainfall amounts in a short period of time along with equipment failure during event

Location: Waste Water Treatment Plant CB #8

EGLE Action: No further action taken at this time

Totals **Big Rapids CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00240	

County Totals **Mecosta**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.00240	

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Menominee

Powers WWSL

Powers WWSL

Submission ID. HNY-N1SF-RY873

Start Day	Start Time	End Day	End Time
3/29/2020	11:00:00 AM	3/29/2020	6:00:00 PM

Rain(in.) = 0.79

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00015

Cause: Diluted raw sewage overflowed from drain, due to surcharged collection system resulting at main lift station, caused by spring melt and heavy rain event.

EGLE Action: Discussed cause of high flows at length with Operator. Per Jason Kalovetz (Operator), Powers will be inspecting basements for sump pump connections Summer / Fall of 2020.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Powers WWSL

Submission ID. HNZ-0QRF-66N57

Start Day	Start Time	End Day	End Time
4/9/2020	2:00:00 PM	4/9/2020	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: Raw sewage, plug in sanitary sewer line. Plug was caused by "rags/flushable wipes" and grease.

EGLE Action: The Operator advised of this minor back-up. EGLE staff advised to provide proper notification to Local Health Dept. and the Local newspaper. The Operator confirmed the issue was resolved the same day.

Totals Powers WWSL

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		**0.00015**

County Totals Menominee

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		**0.00015**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Midland

Dow Silicones Corporation-Midland Site

Dow Silicones Corporation-Midland Site

Submission ID. HNZ-VGV4-VY5NH

Start Day	Start Time	End Day	End Time
5/18/2020	5:00:00 PM	5/18/2020	5:22:00 AM

Rain(in.) = 3.59

Waterbody: Lingle Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00100

Cause: Stormwater potentially contaminated with a small amount of non-stormwater discharged to Lingle Drain during Midland County flooding event with over 3.5 inches in 24 hour period

Location: WWTP sewer manhole near 505 building and 2602 building

EGLE Action: Compliance communication issued

Totals **Dow Silicones Corporation-Midland Site**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00100

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Midland WWTP

Midland WWTP

Submission ID. HP0-ESZA-BFD52

Start Day	Start Time	End Day	End Time
5/19/2020	1:00:00 PM	5/25/2020	2:00:00 AM

Rain(in.) = 5.34

Waterbody: Tittabawasee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		197.45000

Cause: diluted raw sewage overwhelmed the WWTP and the sanitary sewer collections system due to a catastrophic dam failure causing the equivalent 500 year flood water level elevation inundating the the sanitary system. Up to 20 portable pumps were moved through

Location: City of Midland

EGLE Action: No further action taken. The SSO resulted from a dam failure event resulting in a 500 year flood event exceeding the capacity for the system to handle and beyond the remedial design standard.

Totals **Midland WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		197.45000

County Totals **Midland**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		197.45100

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Monroe

Bedford Township CM

Bedford Township CM

Submission ID. HP4-P7AD-9ZEQW

Start Day	Start Time	End Day	End Time
12/1/2020	9:00:00 AM	12/1/2020	12:30:00 PM

Waterbody: Half Way Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04000		

Cause: The discharge was caused by a hole in a 14" ductile iron forced main from our sanitary sewage lift station located at 2475 Smith Rd. in Temperance MI.

Location: Smith & Douglas Sanitary Forced Main

EGLE Action: No actions will be taken.

Totals **Bedford Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04000		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

DECO-Monroe Plt

DECO-Monroe Plt

Submission ID. HP4-P9Z1-C68D7

Start Day	Start Time	End Day	End Time
11/30/2020	11:00:00 PM	12/1/2020	3:00:00 PM

Rain(in.) = 0.01

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00006

Cause: Approximately 60 gallons of diluted raw sewage was spilled on the grounds of the Monroe Power Plant from the #1 Sanitary Lift Station located on site. The incident was caused by an equipment issue that has been addressed. The incident occurred at approxim

Location: Monroe Power Plant

EGLE Action: No actions taken by EGLE.

Totals **DECO-Monroe Plt**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00006

County Totals **Monroe**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04000		**0.00006**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Muskegon

Muskegon CM

Muskegon CM

Submission ID. HP0-6A23-2Y60J

Start Day	Start Time	End Day	End Time
5/27/2020	2:00:00 PM	5/27/2020	2:30:00 PM

Waterbody: Four Mile Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00075		

Cause: Untreated sewage from a broken pressurized pipe from our Getty Street lift station.

Location: Getty Street at Four Mile Creek

EGLE Action: No further action taken at this time

Totals **Muskegon CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00075		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Muskegon Co WWMS Metro WWTP

Muskegon Co WWMS Metro WWTP

Submission ID. HNX-B92T-THEPV

Start Day	Start Time	End Day	End Time
1/28/2020	9:30:00 AM	1/28/2020	2:10:00 PM

Waterbody: 4 Mile Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02000		

Cause: Two golf-ball-size holes formed on bottom o pipe on sewage force main. Cause of holes unknown.

Location: Quarterline Road and Marquette Avenue, Muskegon Township, Michigan

EGLE Action: Evaluated Discharge Submittal. No further action action taken at this time

Muskegon Co WWMS Metro WWTP

Submission ID. HP1-A85M-D1ZYT

Start Day	Start Time	End Day	End Time
7/12/2020	7:00:00 AM	7/12/2020	9:30:00 AM

Waterbody: White Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.02500		

Cause: An air vac valve had cracked and broken, and sewage leaked out of it. The air vac was located in a manhole that had been covered up completely when the land was built up along the road. It was covered by a good eight inches of sod. The valve had corroded

Location: Montague, MI

Communicated with permitee on discharge. No further action action taken at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Muskegon Co WWMS Metro WWTP

Submission ID. HP4-WC18-W145W

Start Day	Start Time	End Day	End Time
12/8/2020	1:00:00 PM	12/8/2020	1:30:00 PM

Waterbody: 4 Mile Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: A band on a saddle clamp that held an air-vac valve in place snapped. This caused water to leak out of the force main at the saddle clamp. Probable cause of the snapping of band is a surge in the line. The leak started at ~1:00 PM on December 8 and was en

Location: Muskegon Township on Quarterline Road, about 550 ft south of Marquette Avenue intersection

EGLE Action: No further action action taken at this time

Totals Muskegon Co WWMS Metro WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04520		

County Totals Muskegon

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04595		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Newaygo

Hesperia WWTP

Hesperia WWTP

Submission ID. HP0-CK4D-K6QZD

Start Day	Start Time	End Day	End Time
6/8/2020	11:00:00 PM	6/8/2020	11:10:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: Main Lift station was cleaned by a vactor truck to remove F.O.G. and debris from the wet well, After job was complete lift station was put back into service. Lift station did not operate correctly and over flowed before it was manually pumped down, upon i

Location: Main Lift Station

EGLE Action: No further action taken at this time

Totals **Hesperia WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

County Totals **Newaygo**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Oakland

Auburn Hills CM

Auburn Hills CM

Submission ID. HP2-3NA5-441YG

Start Day	Start Time	End Day	End Time
8/17/2020	11:30:00 AM	8/17/2020	4:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00030

Cause: Air relief valve on force main sprung a leak

EGLE Action: follow up with the City to have all valves inspected

Totals **Auburn Hills CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00030

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Cedarbrook Estates MHP

Cedarbrook Estates MHP

Submission ID. HP0-JMSX-25Q5T

Start Day	Start Time	End Day	End Time
6/14/2020	10:30:00 AM	6/14/2020	2:00:00 PM

Rain(in.) = 0

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

Cause: Lift station pump blew off of volute and flooded lift station. We got a high water call and were dispatched to the station. Found station flooded and called sludge haulers and pump company. Haulers began hauling raw sewage to treatment plant and pump comp

Location: Cedar Creek Lift Station

EGLE Action: Review of SSO report and additional discussion and emails with Mark Dowson, certified operator, and Frank Michel.

Totals **Cedarbrook Estates MHP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Childs Lake Estates MHC Holdings LLC

Childs Lake Estates MHC Holdings LLC

Submission ID. HP2-F5MT-T9BFD

Start Day	Start Time	End Day	End Time
8/13/2020	4:00:00 PM	8/13/2020	4:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: low spot in the gravity line, flow comes from Phase 3 lift station, line plugged, popped the clean out cap off, the area was in a low spot so the flow didn't go anywhere, we had a vactor truck on site and started cleaning

Location: MG

EGLE Action: To be determined

Totals **Childs Lake Estates MHC Holdings LLC**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Commerce Township CM

Commerce Township CM

Submission ID. HP0-QCX1-B4H1H

Start Day	Start Time	End Day	End Time
6/22/2020	3:00:00 PM	6/22/2020	4:50:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00011		

Cause: A sanitary sewer at 2323 Palmetto was plugged. The flow backed up and in a manhole, rose to the surface and discharged to a near by catch basin.

Location: 2323 Palmetto

EGLE Action: No further action at this time

Commerce Township CM

Submission ID. HP1-JCW8-ZV1HW

Start Day	Start Time	End Day	End Time
7/27/2020	10:00:00 AM	7/27/2020	3:00:00 PM

Waterbody: 2 Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00300		

Cause: The discharge was from a 1-1/4-inch force main that was abandoned with an old development. The check valve of the old line was left in place and left connected to the line. The new development has a new grinder system, but this does not connect to the aba

Location: MG

No further action.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Commerce Township CM

Submission ID. HP4-PY2Q-YQQHN

Start Day	Start Time	End Day	End Time
12/2/2020	9:00:00 AM	12/2/2020	9:40:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00020

Cause: A contractor was in the process of abandoning the Campbell Creek Pump Station. They isolated the 3" discharge line exiting the pump station from the 24" force main running down Welsh Road. During the removal process a volume of water entered the excavat

Location: Campbell Creek Pump Station

EGLE Action: Violation Notice sent

Totals Commerce Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00311		**0.00020**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-PZSG-CKAQM

Start Day	Start Time	End Day	End Time
1/11/2020	12:15:00 AM	1/12/2020	1:00:00 AM

Rain(in.) = 2.7

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.60800

Cause: EFSDS Interceptor was surcharge and could not accept additional flow. Sewage was pumped out to protect basements.

Location: Beach & Tarragonda Manhole TRT 071 010

SOC See ACO schedule of compliance

EGLE Action: Currently under ACO to address discharges

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-PZSG-CKAQM

Start Day	Start Time	End Day	End Time
1/11/2020	12:15:00 AM	1/12/2020	1:00:00 AM

Rain(in.) = 2.7

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.49600

Cause: EFSDS Interceptor was surcharge and could not accept additional flow. Sewage was pumped out to protect basements.

Location: Adams at Rouge River

SOC See ACO schedule of compliance

EGLE Action: Currently under ACO to address discharges

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-PZSG-CKAQM

Start Day	Start Time	End Day	End Time
1/11/2020	12:15:00 AM	1/12/2020	1:00:00 AM

Rain(in.) = 2.7

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.28000

Cause: EFSDS Interceptor was surcharge and could not accept additional flow. Sewage was pumped out to protect basements.

Location: Binbrooke and Kent

SOC See ACO schedule of compliance

Currently under ACO to address discharges

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-PTT1-M55C3

Start Day	Start Time	End Day	End Time
1/11/2020	3:15:00 AM	1/11/2020	9:35:00 PM

Rain(in.) = 2.7

Waterbody: Franklin Branch

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
1.20000		

Cause: Walnut #1 Pump Station was shut down because system was at capacity due to wet weather. Shutting down the station prevents basement flooding.

Location: Walnut Lake #1 Pump Station

EGLE Action: Under ACO

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-PR0P-ZBEQQ

Start Day	Start Time	End Day	End Time
1/11/2020	11:00:00 AM	1/12/2020	3:51:00 PM

Rain(in.) = 2.7

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
12.40000		

Cause: Downstream sewer was full during wet weather

Location: 8 Mile Road SSO Chamber

Under ACO

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-VAR7-PXGQM

Start Day	Start Time	End Day	End Time
1/11/2020	1:20:00 PM	1/11/2020	7:10:00 PM

Rain(in.) = 2.7

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00030

Cause: Downstream pipe over capacity due to wet weather

Location: Spingdale Golf Course

SOC See ACO schedule of compliance

EGLE Action: Currently under ACO to address discharges

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-PVG4-R8QND

Start Day	Start Time	End Day	End Time
1/11/2020	3:55:00 PM	1/12/2020	2:10:00 AM

Rain(in.) = 2.7

Waterbody: Tributary to Pebble Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.80000		

Cause: High flows during wet weather filled the tunnel and overflowed

Location: Middlebelt Tunnel

SOC See ACO schedule of compliance

Currently under ACO to address discharges

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-PR0P-ZBEQQ

Start Day	Start Time	End Day	End Time
1/11/2020	5:00:00 PM	1/12/2020	4:45:00 AM

Rain(in.) = 2.7

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
2.20000		

Cause: wet conditions. pipe is full downstream.

Location: Bridge and Hiltop SOT128-015

EGLE Action: Under ACO

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-PR0P-ZBEQQ

Start Day	Start Time	End Day	End Time
1/11/2020	5:00:00 PM	1/12/2020	4:45:00 AM

Rain(in.) = 2.7

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
2.70000		

Cause: wet conditions. pipe is full downstream.

Location: 8 Mile and Telegraph MH SOT128-018

Under ACO

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNW-PR0P-ZBEQQ

Start Day	Start Time	End Day	End Time
1/11/2020	5:00:00 PM	1/12/2020	4:45:00 AM

Rain(in.) = 2.7

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.39000		

Cause: wet conditions. pipe is full downstream.

Location: Berg and 8 Mile SOT131-003

EGLE Action: Under ACO

Evergreen-Farmington CM (Oakland Co)

Submission ID. HP1-7FBP-6VM6M

Start Day	Start Time	End Day	End Time
1/11/2020	11:45:00 PM	1/11/2020	8:50:00 PM

Waterbody: Evans Branch Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.61000		

Cause: There was evidence of sanitary trash near several manholes near 8 Mile and Bridge Street. The model was used to calculate the SSO volume from this event.

Location: 8 Mile Near Bridge

EFSDS is under an administrative consent order (ACO) This issue will be addressed by the Corrective Action Plan that is currently under review by the Department

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNY-KC1M-C92PG

Start Day	Start Time	End Day	End Time
3/28/2020	10:30:00 AM	3/28/2020	11:10:00 AM

Rain(in.) = 1.09

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00010

Cause: Pump by-pass was set up for the project and intake manhole is down by the Rouge River. Heavy rains raised the water level above the open manhole very quickly before the pump watch could pull the plug the 36" sewer. The manhole overflowed a mixture of se

Location: Rouge River

EGLE Action: Violation Notice to address this SSO

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNY-PMER-CA57Y

Start Day	Start Time	End Day	End Time
4/1/2020	4:30:00 PM	4/1/2020	5:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: Sewage discharged from manhole structure SOT105008 onto the ground surface. Sewage also flowed onto M-10. A plugged 12-inch diameter sewer was the reason for the discharge.

Location: Manhole SOT105008

Violation Notice to address this SSOs

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNZ-VMEH-NKHWR

Start Day	Start Time	End Day	End Time
5/18/2020	10:20:00 PM	5/19/2020	7:00:00 AM

Rain(in.) = 2.2

Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
3.30000		

Cause: Due to heavy rains it has cause the EF 8 Mile Overflow structure to overflow to the 8 Mile Drain. This issue will be addressed by the Corrective Action Plan that is currently under review by the Department.

Location: 8 Mile Drain to Plum Creek/Rouge River

EGLE Action: EFSDS is under an administrative consent order (ACO)

Evergreen-Farmington CM (Oakland Co)

Submission ID. HP1-9Q3E-SY4Z6

Start Day	Start Time	End Day	End Time
5/19/2020	12:45:00 AM	5/19/2020	4:35:00 AM

Waterbody: Evans Branch Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: There was evidence of sanitary trash near several manholes near 8 Mile and Bridge Street. The sewer model was used to; estimate the SSO volume. In this case, it was minimal discharge.

Location: 8 Mile Near Bridge St

EFSDS is under an administrative consent order (ACO) This issue will be addressed by the Corrective Action Plan that is currently under review by the Department

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNZ-VY3N-3SDRS

Start Day	Start Time	End Day	End Time
5/19/2020	2:00:00 AM	5/19/2020	2:30:00 PM

Rain(in.) = 2.2

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.73500		

Cause: Heavy Rains caused the safe wet well level at the Eight Mile Road - Muirwood Pump Station to be exceeded. In order to prevent upstream basement flooding, WRC staff pumped flow from three manholes located upstream of the pump station directly to the Rouge

Location: Plum Creek/Rouge River

EGLE Action: EFSDS under an administrative consent order (ACO)

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNZ-VY3N-3SDRS

Start Day	Start Time	End Day	End Time
5/19/2020	2:05:00 AM	5/19/2020	2:30:00 PM

Rain(in.) = 2.2

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.59850		

Cause: Heavy Rains caused the safe wet well level at the Eight Mile Road - Muirwood Pump Station to be exceeded. In order to prevent upstream basement flooding, WRC staff pumped flow from three manholes located upstream of the pump station directly to the Rouge

Location: Plum Creek/Rouge River

EFSDS under an administrative consent order (ACO)

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Evergreen-Farmington CM (Oakland Co)

Submission ID. HNZ-VY3N-3SDRS

Start Day	Start Time	End Day	End Time
5/19/2020	2:15:00 AM	5/19/2020	2:30:00 PM

Rain(in.) = 2.22

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.24402		

Cause: Heavy Rains caused the safe wet well level at the Eight Mile Road - Muirwood Pump Station to be exceeded. In order to prevent upstream basement flooding, WRC staff pumped flow from three manholes located upstream of the pump station directly to the Rouge

Location: Plum Creek/Rouge River

EGLE Action: EFSDS under an administrative consent order (ACO)

Totals Evergreen-Farmington CM (Oakland Co)

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
25.17812		**1.38440**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Farmington CM

Farmington CM

Submission ID. HNW-RAP7-XAFXS

Start Day	Start Time	End Day	End Time
1/11/2020	8:15:00 PM	1/13/2020	2:30:00 AM

Rain(in.) = 2.5

Waterbody: Upper Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.01400	

Cause: 2.50 inches of rain that began at 10:30 AM 1/10/2020 and ended at 3:30 AM 1/12/2020. saturated soils causing footing drains to collect the ground water which overwhelmed the sanitary sewer collection system, retention basin and exceeded the volume the sew

Location: Nine Mile Road Retention Basin

EGLE Action: No further action at this time

Totals **Farmington CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.01400	

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Farmington Hills CM

Farmington Hills CM

Submission ID. HNW-QCTX-KE8BK

Start Day	Start Time	End Day	End Time
1/12/2020	6:00:00 AM	1/12/2020	7:00:00 AM

Rain(in.) = 2.6

Waterbody: Minnow Pond Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03500		

Cause: Kendallwood Sewage Retention Basin was full and had to be pumped to prevent basement flooding

Location: Minnow Pond Drain

EGLE Action: No further action at this time

Farmington Hills CM

Submission ID. HP1-1VN3-CZAHC

Start Day	Start Time	End Day	End Time
7/3/2020	4:15:00 PM	7/8/2020	12:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: Wet area around the lift station was confirmed to be sewage from a leaking 6" force main. A small amount of sewage is discharged when the lift station pumps cycle.

Location: Harwich Lift Station

A Violation Notice was sent on 7/16/20

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Farmington Hills CM

Submission ID. HP1-75CT-11T50

Start Day	Start Time	End Day	End Time
7/12/2020	8:45:00 PM	7/12/2020	9:45:00 PM

Waterbody: Tributary to Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Cause: The discharge was from manhole No. FAT005172. The discharge was caused by a plugged sewer.

Location: Near 30303 West 14 Mile Road located west of Middlebelt Road and east of Northwestern Highway

EGLE Action: A Violation Notice was sent on 7/28/20

Totals Farmington Hills CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.03615		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

GM-Proving Grounds-Milford

GM-Proving Grounds-Milford

Submission ID. HP1-DHF0-SE4FG

Start Day	Start Time	End Day	End Time
7/17/2020	10:00:00 AM	7/20/2020	2:30:00 PM

Rain(in.) = 0.25

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.05400

Cause: The current MPG population is ~ at 30% normal due to COVID-19. The majority of the discharge occurred during non-working hours and therefore consisted mostly of normal building process wastewater (e.g. condensate, softener backwash, etc.). During normal

Location: Lift Station serving east campus to 001B MPG WWTP

EGLE Action: No further actions at this time

Totals **GM-Proving Grounds-Milford**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.05400

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Hidden Lake Estates MHP

Hidden Lake Estates MHP

Submission ID. HP1-3GEX-AFAGF

Start Day	Start Time	End Day	End Time
7/7/2020	5:45:00 PM	7/8/2020	2:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00010

Cause: A sub-contractor for DTE was working on the property boring in a new electrical line down Miller Cove and across Thornapple Circle. In the process, their boring line hit the sewer line under the road. VERY DILUTED (no evidence of any matter, only sewer

Location: Under road sewer line break at the intersection of Thornapple Circle and Miller Cove

EGLE Action: The SSO report was reviewed and discussed with the Permittee

Hidden Lake Estates MHP

Submission ID. HP3-S62Y-JWF0B

Start Day	Start Time	End Day	End Time
10/25/2020	5:20:00 PM	10/26/2020	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00050

Cause: The discharge event occurred from a 12" hairline crack on the bottom of the pressurized sewer line that moves untreated sewage from the lift station by Lot 61 to the WWTP. When inspecting the line prior to repair, a large rock (approximately the size of

Location: MG

Violation Notice sent on 11/17/20

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Hidden Lake Estates MHP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00060

Lathrup Village CM

Lathrup Village CM

Submission ID. HNW-ST3Z-EM36D

Start Day	Start Time	End Day	End Time
1/11/2020	11:00:00 PM	1/12/2020	1:00:00 PM

Rain(in.) = 2.5

Waterbody: Rummel Relief Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.84000		

Cause: The Retention Treatment Basin in Lathrup Village was full as a result of wet weather and had to be pumped out to the storm drain to save basements from backing up

Location: Rummel Relief Drain

EGLE Action: This SSO Basin bypass has been installed to prevent basement flooding in the collection system in the event of substantial rainfall event. No further action taken at this time.

Totals **Lathrup Village CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.84000		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Pontiac CM

Pontiac CM

Submission ID. HP0-39B4-A8WBF

Start Day	Start Time	End Day	End Time
5/28/2020	3:30:00 PM	5/28/2020	4:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00030		

Cause: A plugged sewer caused an overflow at manhole POT 031 119. The sewage flowed out of the manhole onto the surrounding ground surface and into a catch basin that flows to a small detention pond. The detention pond is empty and the sewage did not flow out of

Location: POT 031 119

EGLE Action: no further action required.

Pontiac CM

Submission ID. HP1-AQQ4-MFFAA

Start Day	Start Time	End Day	End Time
7/17/2020	4:54:00 PM	7/17/2020	7:00:00 PM

Waterbody: Harris Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: Plugged sewer caused by grease resulted in surcharged manhole. Grease and sewage seeped out of a vent hole in the manhole lid.

Location: N/A

reviewed. No further action.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Pontiac CM

Submission ID. HP4-CQQN-GXY0J

Start Day	Start Time	End Day	End Time
11/19/2020	11:38:00 AM	11/19/2020	12:52:00 PM

Waterbody: Mainland Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: Sanitary Sewer Plug caused by ragging

Location: County Campus At County Center and Village Dr

EGLE Action: Violation Notice sent to address discharge

Pontiac CM

Submission ID. HP4-NYRX-AHV50

Start Day	Start Time	End Day	End Time
11/27/2020	12:00:00 AM	11/27/2020	12:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00000		

Cause: Plugged sewer downstream. Plug was removed and sewer began flowing free.

Location: 102 E Howard Pontiac

Violation Notice sent to address discharge

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Pontiac CM

Submission ID. HP4-TYBS-PDDEN

Start Day	Start Time	End Day	End Time
12/6/2020	2:15:00 PM	12/7/2020	9:45:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: Plugged sewer at 184 West Kennett, Pontiac MI. Sewage did spill outside the manhole, frozen on ground did not go into waterway. clean back to manhole after unplugging sewer.

Location: MG

EGLE Action: Violation Notice sent to address discharge

Totals Pontiac CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00056		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Rochester Hills CM

Rochester Hills CM

Submission ID. HP2-V5PA-RJ1RV

Start Day	Start Time	End Day	End Time
9/17/2020	10:00:00 AM	9/17/2020	10:45:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: There was a plug in the Rochester Hills sanitary sewer main that caused an overflow in one of the manholes.

Location: Public ROW, West Side Crooks Road, 400 feet of Hamlin Road

EGLE Action: No further action taken at this time

Totals Rochester Hills CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

South Lyon Woods MHC

South Lyon Woods MHC

Submission ID. HP4-B42J-EGBZF

Start Day	Start Time	End Day	End Time
11/10/2020	4:00:00 PM	11/10/2020	6:45:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: Stoppage in the manhole that services the manufactured home community

Location: South Lyon Woods MHC

EGLE Action: A violation was created and a Violation Notice issued

Totals **South Lyon Woods MHC**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Walled Lake CM

Walled Lake CM

Submission ID. HNW-N99Y-EE55N

Start Day	Start Time	End Day	End Time
1/9/2020	8:00:00 AM	1/9/2020	3:00:00 PM

Waterbody: none

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: Plugged sanitary sewer. Sewage was bubbling out of the manhole to a ditch nearby.

EGLE Action: No further action taken at this time

Totals **Walled Lake CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

White Lake Township CM

White Lake Township CM

Submission ID. HNX-MHKE-3YGNB

Start Day	Start Time	End Day	End Time
2/17/2020	9:20:00 AM	2/17/2020	12:00:00 PM

Waterbody: none

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00008		

Cause: The sewer was plugged with grease and the flow backed up into the manhole and overflowed out the top. The volume estimated was from the time WRC was notified to the time the blockage was cleared.

Location: none

EGLE Action: No further action taken at this time

White Lake Township CM

Submission ID. HP2-BEMF-6PGJJ

Start Day	Start Time	End Day	End Time
8/28/2020	9:42:00 AM	8/28/2020	9:43:00 AM

Rain(in.) = 0.15

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00003

Cause: The pump used for bypass operations during a lining project was unable to keep up with flow. Some sewage spilled from the manhole when swapping out the pump with a larger capacity one.

Location: Shotwell Street

Reviewed. No further Action required.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

White Lake Township CM

Submission ID. HP3-4PM7-2Q561

Start Day	Start Time	End Day	End Time
9/29/2020	10:30:00 AM	9/29/2020	11:50:00 AM

Waterbody: Cranberry Lake

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: The sewer was blocked with debris and the flow backed up into the manhole and oozed out of the top,

Location: Sanitary Manhole, discharge to Cranberry Lake

EGLE Action: The violation is documented in MIWaters and in a Compliance Communication to the sewer system owner.

Totals White Lake Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00018		**0.00003**

County Totals Oakland

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
26.06433	**2.01400**	**1.43953**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Oceana

Shelby WWTF

Shelby WWTF

Submission ID. HNX-FV8B-B15PJ

Start Day	Start Time	End Day	End Time
2/11/2020	4:30:00 PM	2/11/2020	8:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00030		

Cause: Water spilled from a manhole caused by a large root mass.

Location: Overflow of a manhole near 91 Sessions.

EGLE Action: No further action at this time

Shelby WWTF

Submission ID. HNX-MKMS-QGVVC

Start Day	Start Time	End Day	End Time
2/17/2020	7:00:00 PM	2/17/2020	8:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: Grease and roots combined to cause the blockage that resulted in the spill.

Location: Manhole sill of roughly 100 gallons.

No further action at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Shelby WWTF

Submission ID. HP0-308D-W79AV

Start Day	Start Time	End Day	End Time
5/21/2020	4:00:00 PM	5/21/2020	7:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00797		

Cause: The cable broke on the transducer, which was then sucked into the pump.

Location: Industrial Drive Lift station

EGLE Action: No further action at this time

Shelby WWTF

Submission ID. HP4-5N3T-GKPZ5

Start Day	Start Time	End Day	End Time
11/6/2020	10:45:00 AM	11/6/2020	12:25:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00080		

Cause: Roots clogged the outfall into the Harvey Lift Station wet well, backing the water up to the 1st manhole North of the station. The roots were removed and the flow was restored. We entered the manhole using a winch and cleaned more roots out. We then ca

Location: Harvey Lift Station

No further action at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Shelby WWTF**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00917		

County Totals **Oceana**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00917		

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Ontonagon

McMillan Twp WWSL

McMillan Twp WWSL

Submission ID. HNY-4ZZM-WSQQY

Start Day	Start Time	End Day	End Time
3/10/2020	9:00:00 AM	4/23/2020	7:00:00 AM

Rain(in.) = 18

Waterbody: SOUTH BRANCH OF ONTONAGON RIVER

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.86538

Cause: HEAVY RAINS AND SPRING RUN-OFF ALONG WITH LOTS OF GROUND WATER.

Location: MCMILLAN TWP LAGOONS

EGLE Action: assisting Twp with I&I survey, inspecting 5/7/20 - sent compliance communication on 7/2/20

Totals **McMillan Twp WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.86538

County Totals **Ontonagon**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.86538

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Ottawa

Allendale Township CM

Allendale Township CM

Submission ID. HNW-R7T6-H2SSK

Start Day	Start Time	End Day	End Time
1/5/2020	6:30:00 PM	1/5/2020	7:15:00 PM

Waterbody: Rogers Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00900		

Cause: Discharge to two residential homes and one manhole. Estimated discharge based on volume of sewer in basements. Looked at estimated square footage and determined volume from the information. Cause, pressure transducer wrapped in rags not able to read pre

EGLE Action: Violation Notice issued.

Totals **Allendale Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00900		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Country Hills Village MHC

Country Hills Village MHC

Submission ID. HP0-N44X-A1HPE

Start Day	Start Time	End Day	End Time
6/19/2020	2:00:00 PM	6/19/2020	2:10:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00000

Cause: Main sewer line was plugged from excessive grease ion the line. We called a contractor to jet and clean the line so that it was clear of blockage. When jetting, pressure caused some discharge at a nearby manhole.

EGLE Action: Determined facility response was adequate. 1 gallon SSO with timely reporting and cleanup.

Totals **Country Hills Village MHC**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00000

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Crickelwood Court MHP

Crickelwood Court MHP

Submission ID. HP4-QSRJ-C2YFR

Start Day	Start Time	End Day	End Time
12/3/2020	8:11:00 AM	12/3/2020	9:36:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: Electrical component failure associated with the Lift Station pumping operations caused the overflow to adjacent grounds near the lift station and septic tank/vault.

Location: Cricklewood Court (Influent Lift Station)

EGLE Action: Repairs made. No further action at this time

Totals **Crickelwood Court MHP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Grand Haven-Spring Lake WWTP

Grand Haven-Spring Lake WWTP

Submission ID. HNW-ST7C-R2BX1

Start Day	Start Time	End Day	End Time
1/14/2020	12:43:00 PM	1/14/2020	12:48:00 PM

Waterbody: Grand River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

Cause: Grand River Construction, in charge of improvements being made to the pumping station, were draining bypass piping to prevent the lines from freezing when they broke a piping connection that was pressurized by the pump stations operating force main. An i

Location: Spring Lake Pump Station

EGLE Action: This discharge will be included in the enforcement action being negotiated with GHSL.

Totals **Grand Haven-Spring Lake WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00100		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Holiday West Village Manufactured Housing Community

Holiday West Village Manufactured Housing Community

Submission ID. HP4-VQKX-CZQR6

Start Day	Start Time	End Day	End Time
12/8/2020	1:03:00 PM	12/8/2020	3:30:00 PM

Waterbody: unknown

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00080		

Cause: Large blockage in his line to collection system. Overflowed from under home onto the driveway, grass and went into the street and into the storm drain.

EGLE Action: No further action taken at this time

Totals **Holiday West Village Manufactured Housing Community**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00080		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Jamestown Township CM-Ottawa Co

Jamestown Township CM-Ottawa Co

Submission ID. HNY-18SC-KNKHD

Start Day	Start Time	End Day	End Time
3/3/2020	12:00:00 PM	3/4/2020	10:00:00 AM

Waterbody: N/A

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00033		

Cause: The church has a sewer lateral line connected to the forcemain. This lateral exists at the high point of the forcemain and when the pump stops and the sewer drains itself into a Manhole on Quincy, sulfide gas builds up and erodes the copper lines that we

Location: MG

EGLE Action: Corrective action accepted.

Jamestown Township CM-Ottawa Co

Submission ID. HP2-YFFF-F9Q1R

Start Day	Start Time	End Day	End Time
9/19/2020	12:00:00 AM	9/21/2020	4:45:00 PM

Waterbody: Buttermilk Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.08400		

Cause: Our 12" forcemain was found to have a crack, which appears to have occurred from a back hoe, which was discharging sewer onto the road and into a catch basin. The Lift station pumping the sewer was turned off for repair work and the overflow was relocate

Location: 4182 Royal ct

EGLE issued VN-011232 letter on 11/12/2020 requiring plan/schedule for assessing and addressing infrastructure vulnerabilities to SSOs and procedures for addressing SSOs.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Jamestown Township CM-Ottawa Co**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.08433		

Presidential Estates

Presidential Estates

Submission ID. HP0-JRX8-52VSA

Start Day	Start Time	End Day	End Time
6/13/2020	1:00:00 PM	6/13/2020	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00001

Cause: main sewer cap, 5 gallons of grey water came out, LLC vender came out and cleared the line from roots and only grey water was by the main, that area was disinfected by the vender as well. I have new staff they are now informed of the 24 hr. reporting time

EGLE Action: Corrective follow up action taken by facility was adequate, but the discharge notifications were made later than within 24 hours. EGLE sent compliance communication letter CC-002684 reminding facility of notification requirements.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Presidential Estates

Submission ID. HP2-NN9P-K5H5S

Start Day	Start Time	End Day	End Time
6/26/2020	10:00:00 AM	6/26/2020	12:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00002		

Cause: We had a sewer main back up on 06/26/2020 from roots, that was reported and also cleaned up with roots being removed. I then was informed by an resident on Aug 25th that they had dried raw sewage under the home from the initial back up sewer main. I conf

Location: 5052 Kennedy Hudsonville

EGLE Action: A Violation Notice was issued to Sun Communities for the three SSOs that have occurred at Presidential Estates since January 2020 and the failure to make the required notifications on two of the events.

Presidential Estates

Submission ID. HP0-T2Q0-Z6SJA

Start Day	Start Time	End Day	End Time
6/26/2020	4:00:00 PM	6/26/2020	4:15:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: grey water some toilet paper, grease ball

None needed at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Presidential Estates

Submission ID. HP4-HDMT-MPDM4

Start Day	Start Time	End Day	End Time
11/25/2020	10:00:00 AM	11/25/2020	1:20:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: Received call 11-25 at 10am from resident who owns her manufactured home, maintenance found sewage under home. B&B Water/Wastewater was called and came out to determine the cause for spillage and open our main line as needed. They found the residents sewe

EGLE Action: Reviewed details and discussed with facility. Facility reporting was timely and response to event was satisfactory. No further follow required for this event.

Totals Presidential Estates

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00004		**0.00001**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

River Haven MHP WWTP

River Haven MHP WWTP

Submission ID. HNZ-1DHS-A6JE1

Start Day	Start Time	End Day	End Time
4/11/2020	3:57:00 PM	4/11/2020	8:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00004

Cause: Single Residential Sewer Backup of approx 30-40 gallons. Suspected cause due to buildup of flushable wipes, sanitary napkins and toilet paper in single residential line. B&B Tech jetting line to clear plug/obstruction. Servepro treated underside of hom

EGLE Action: No further action taken at this time

Totals **River Haven MHP WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00004

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Zeeland WWTP

Zeeland WWTP

Submission ID. HP2-2RRY-2GA77

Start Day	Start Time	End Day	End Time
8/14/2020	10:00:00 AM	8/14/2020	2:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

Cause: Blockage in sewer main, piece of wood / Log

Location: MG

EGLE Action: None needed at this time

Totals **Zeeland WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

County Totals **Ottawa**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.09547		**0.00005**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Presque Isle

Onaway CM

Onaway CM

Submission ID. HNX-9H3F-61JBX

Start Day	Start Time	End Day	End Time
2/3/2020	6:00:00 AM	2/3/2020	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00100

Cause: a rubber boot that connected two pipes together split and when the pump turned on it leaked water into the ground

Location: N/a

EGLE Action: No further action.

Totals **Onaway CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00100

County Totals **Presque Isle**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00100

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Saginaw

Chesaning WWTP

Chesaning WWTP

Submission ID. HNZ-VDV4-1ZWGK

Start Day	Start Time	End Day	End Time
5/18/2020	4:00:00 PM	5/19/2020	2:15:00 AM

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03168

Cause: sewage coming out of manhole due to rain

Location: canal st manhole

SOC ACO: Sanitary Sewer Evaluation Study, Collection system upgrades to prevent future SSO's

EGLE Action: Violation notice sent on 6/12/20

Totals **Chesaning WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03168

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Saginaw Twp WWTP

Saginaw Twp WWTP

Submission ID. HP0-2Z20-GGWF3

Start Day	Start Time	End Day	End Time
5/27/2020	3:00:00 PM	5/27/2020	7:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.10000		

Cause: sewage discharged from a 2'' hole in forcemain

Location: discharge from forcemain in easement from Mccarty Lift station

EGLE Action: No further action taken, overflow was due to a break in a forcemain which was repaired. Facility is committed to preventing future overflows.

Totals **Saginaw Twp WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.10000		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

St Charles WWSL

St Charles WWSL

Submission ID. HP0-1H2A-47V0P

Start Day	Start Time	End Day	End Time
5/19/2020	5:00:00 PM	5/21/2020	10:00:00 PM

Rain(in.) = 5.25

Waterbody: Bad River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.79500

Cause: St. Charles received over 5 1/4 inches of rain in a short period of time. Two sanitary sewer pumps were working, but could not keep up with the flow. DPW used an additional 4 inch pump to pump the diluted sewer to the river.

Location: North Branch Bad River

EGLE Action: No further action taken, storm event exceeded remedial design standard 24 hr 25 yr storm event.

Totals **St Charles WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.79500

County Totals **Saginaw**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.10000		**0.82668**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Sanilac

Lexington WWSL

Lexington WWSL

Submission ID. HNW-QEBK-VDR8G

Start Day	Start Time	End Day	End Time
1/11/2020	6:30:00 AM	1/12/2020	5:30:00 AM

Rain(in.) = 3

Waterbody: Lake Huron

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.10400

Cause: Large rainfall event created highly diluted discharge

Location: Storm Drain

EGLE Action: Second violation notice issued, schedule of compliance to follow to ensure improvement projects are funded and implemented to prevent future SSO's.

Totals **Lexington WWSL**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.10400

County Totals **Sanilac**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.10400

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Schoolcraft

Manistique WWTP

Manistique WWTP

Submission ID. HP1-JH5Y-4180K

Start Day	Start Time	End Day	End Time
7/26/2020	6:00:00 AM	7/26/2020	9:00:00 PM

Rain(in.) = 2.95

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02500

Cause: Significant fast rain event

Location: Collection Systen Manhole #9

EGLE Action: CSO control program in City's NPDES permit.

Totals **Manistique WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02500

County Totals **Schoolcraft**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.02500

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Shiawassee

Durand WWTP

Durand WWTP

Submission ID. HNW-RAG9-KXZSK

Start Day	Start Time	End Day	End Time
1/11/2020	7:45:00 AM	1/12/2020	12:15:00 AM

Rain(in.) = 4.28
Waterbody: Holly Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.06700	

Cause: Heavy Rain

EGLE Action: The City is under ACO

Durand WWTP

Submission ID. HP0-1K3B-W7JF1

Start Day	Start Time	End Day	End Time
5/18/2020	3:50:00 PM	5/19/2020	11:00:00 AM

Rain(in.) = 1.8
Waterbody: Holly Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.09216	

Cause: Heavy rain 1.28 inches of rain in 45 minutes

SOC The City is under an ACO with EGLE
The City is under ACO

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Durand WWTP

Submission ID. HP2-PAHQ-GVKP0

Start Day	Start Time	End Day	End Time
8/28/2020	6:00:00 AM	8/28/2020	8:26:00 AM

Rain(in.) = 3.4
Waterbody: Holly Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.04900	

Cause: We received 3.40"of rain in approximately 10 hour period, starting in the night time hours of August 27 at 9:30 PM and ending at 7:30 AM on August 28.

SOC City is under an ACO

EGLE Action: The City is under ACO

Durand WWTP

Submission ID. HP2-PG31-3Z90K

Start Day	Start Time	End Day	End Time
9/8/2020	8:40:00 AM	9/8/2020	10:05:00 AM

Rain(in.) = 2.04
Waterbody: Holly Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.02000	

Cause: received 2.04 inches of rain in approximately in 6 hours starting on the 8th and ending mid morning of the 8th

SOC City is under an ACO

The City is under ACO

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Durand WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.22816	

Owosso Caledonia Sewer Authority

Owosso Caledonia Sewer Authority

Submission ID. HP2-DTMA-S18CC

Start Day	Start Time	End Day	End Time
8/28/2020	4:00:00 AM	8/28/2020	5:00:00 AM

Rain(in.) = 3

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00200

Cause: Discharge came from a manhole due to high rains and infiltration, lift station pumps could not keep up with the flow.

EGLE Action: No further action taken at this time

Totals **Owosso Caledonia Sewer Authority**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00200

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Owosso/Mid Shiawassee Co WWTP

Owosso/Mid Shiawassee Co WWTP

Submission ID. HNW-RAJ8-2J40R

Start Day	Start Time	End Day	End Time
1/11/2020	6:20:00 AM	1/11/2020	11:00:00 PM

Rain(in.) = 2.71

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.11040

Cause: Manhole reached surcharge condition due to inflow/infiltration of collection system significantly impacted by extreme wet weather (approx. 2" rain in 10 hours on saturated ground, followed by intermittent rain/freezing rain/sleet - total precipitation for

Location: Manhole A

SOC City is under an ACO with EGLE

EGLE Action: City is under ACO to address discharges

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Owosso/Mid Shiawassee Co WWTP

Submission ID. HNW-RAJ8-2J40R

Start Day	Start Time	End Day	End Time
1/11/2020	7:00:00 AM	1/11/2020	10:00:00 AM

Rain(in.) = 2.71

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00575

Cause: Manhole reached surcharge condition due to inflow/infiltration of collection system significantly impacted by extreme wet weather (approx. 2" rain in 10 hours on saturated ground, followed by intermittent rain/freezing rain/sleet - total precipitation for

Location: Manhole B

SOC City is under an ACO with EGLE

EGLE Action: City is under ACO to address discharges

Owosso/Mid Shiawassee Co WWTP

Submission ID. HNW-RAJ8-2J40R

Start Day	Start Time	End Day	End Time
1/11/2020	9:00:00 AM	1/11/2020	11:00:00 AM

Rain(in.) = 2.71

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.13800

Cause: WWTP reached surcharge condition due to inflow/infiltration of collection system significantly impacted by extreme wet weather (approx. 2" rain in 10 hours on saturated ground, followed by intermittent rain/freezing rain/sleet - total precipitation for th

Location: Manhole C

SOC City is under an ACO with EGLE

City is under ACO to address discharges

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Owosso/Mid Shiawassee Co WWTP

Submission ID. HNZ-VQX1-8699Q

Start Day	Start Time	End Day	End Time
5/18/2020	2:30:00 PM	5/19/2020	10:00:00 PM

Rain(in.) = 3.27

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.33000

Cause: Manhole reached surcharge condition due to inflow/infiltration of collection system significantly impacted by extreme wet weather (3.27" rain in 48 hour period following 1.41" rain two days prior).

Location: Manhole B

SOC City is under an ACO with EGLE

EGLE Action: City is under ACO to address discharges

Owosso/Mid Shiawassee Co WWTP

Submission ID. HNZ-VQX1-8699Q

Start Day	Start Time	End Day	End Time
5/18/2020	2:30:00 PM	5/20/2020	3:00:00 PM

Rain(in.) = 3.27

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.39000

Cause: Manhole reached surcharge condition due to inflow/infiltration of collection system significantly impacted by extreme wet weather (3.27" rain in 48 hour period following 1.41" rain two days prior).

Location: Manhole A

SOC City is currently under and ACO with EGLE

City is under ACO to address discharges

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Owosso/Mid Shiawassee Co WWTP

Submission ID. HNZ-VQX1-8699Q

Start Day	Start Time	End Day	End Time
5/18/2020	2:30:00 PM	5/20/2020	1:30:00 AM

Rain(in.) = 3.27

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.27000

Cause: Manhole reached surcharge condition due to inflow/infiltration of collection system significantly impacted by extreme wet weather (3.27" rain in 48 hour period following 1.41" rain two days prior).

Location: Manhole D

SOC City is currently under an ACO with EGLE

EGLE Action: City is under ACO to address discharges

Owosso/Mid Shiawassee Co WWTP

Submission ID. HNZ-VQX1-8699Q

Start Day	Start Time	End Day	End Time
5/18/2020	2:30:00 PM	5/18/2020	8:00:00 PM

Rain(in.) = 3.27

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.06000

Cause: Manhole reached surcharge condition due to inflow/infiltration of collection system significantly impacted by extreme wet weather (3.27" rain in 48 hour period following 1.41" rain two days prior).

Location: Manhole E

SOC City is under an ACO with EGLE

City is under ACO to address discharges

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Owosso/Mid Shiawassee Co WWTP

Submission ID. HNZ-VQX1-8699Q

Start Day	Start Time	End Day	End Time
5/18/2020	4:15:00 PM	5/19/2020	11:40:00 AM

Rain(in.) = 3.27

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.05000

Cause: WWTP reached surcharge condition due to inflow/infiltration of collection system (including all service units) significantly impacted by extreme wet weather (3.27" rain in 48 hour period following 1.41" rain two days prior). Pumping directly to Shiawasse

Location: Manhole C

SOC City is under an ACO with EGLE

EGLE Action: City is under ACO to address discharges

Owosso/Mid Shiawassee Co WWTP

Submission ID. HP2-BFFD-2BRE4

Start Day	Start Time	End Day	End Time
8/28/2020	4:00:00 AM	8/28/2020	6:00:00 AM

Rain(in.) = 4.17

Waterbody: Shiawassee River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00220

Cause: Manhole reached surcharge condition due to inflow/infiltration of collection system significantly impacted by extreme localized rain event (4.17" rain in 2.5 hour period)

Location: Manhole A

SOC ACO

City is under ACO to address discharges

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Owosso/Mid Shiawassee Co WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		3.35635

County Totals **Shiawassee**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.22816	**3.35835**

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

St. Clair

East China Township CM

East China Township CM

Submission ID. HNW-PZDG-0RDDN

Start Day	Start Time	End Day	End Time
1/11/2020	1:00:00 PM	1/11/2020	3:20:00 PM

Rain(in.) = 1.68

Waterbody: Belle River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03000

Cause: Heavy rainfall and infiltration overwhelmed the sanitary sewer lift station at this location. In order to prevent more damage to homes and property, East China Township DPW discharged diluted raw sewage to a nearby ditch. The discharge was stopped as so

EGLE Action: SVN sent previously to address SSO discharges.

Totals **East China Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.03000

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Marysville WWTP

Marysville WWTP

Submission ID. HNW-R4GA-XHA19

Start Day	Start Time	End Day	End Time
1/11/2020	6:55:00 PM	1/12/2020	5:54:00 PM

Rain(in.) = 3.6

Waterbody: St. Clair River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.10000	

Cause: Partially treated raw sewage heavily diluted with rain water.

Location: 1

EGLE Action: Event exceeded RDS. No further action

Totals **Marysville WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.10000	

County Totals **St. Clair**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	2.10000	**0.03000**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

St. Joseph

Constantine CM

Constantine CM

Submission ID. HP5-151B-JVE4B

Start Day	Start Time	End Day	End Time
12/14/2020	2:56:00 PM	12/15/2020	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00300		

Cause: The discharge was the result of a failed Air Relief Valve.

Location: Three Rivers 001

EGLE Action: Second Violation Notice Sent

Constantine CM

Submission ID. HP5-CRQZ-J8RJG

Start Day	Start Time	End Day	End Time
12/29/2020	7:00:00 AM	12/29/2020	5:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

Cause: Discharge from a vent valve in force main. Vent valve failure

Location: State Highway

Second Violation Notice

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Constantine CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00800		

County Totals **St. Joseph**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00800		

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Washtenaw

Ann Arbor CM

Ann Arbor CM

Submission ID. HNW-TGKM-40Y2M

Start Day	Start Time	End Day	End Time
1/11/2020	12:00:00 PM	1/11/2020	11:59:00 PM

Rain(in.) = 2.3

Waterbody: Swift Run Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00450		

Cause: raw, untreated sewage, discharged because of sewer capacity issue due to high flows during a wet weather event.

Location: 71-072873

SOC ACO issued with schedule for compliance

EGLE Action: ACO has been issued to address the SSOs

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Ann Arbor CM

Submission ID. HNW-TJ34-AP6GX

Start Day	Start Time	End Day	End Time
1/11/2020	12:00:00 PM	1/11/2020	11:59:00 PM

Rain(in.) = 2.3

Waterbody: Malletts Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00030		

Cause: raw sewage overflow, discharged because of sewer capacity issue due to high flows during a wet weather event.

Location: 71-61792

SOC ACO issued with schedule for compliance

EGLE Action: ACO has been issued to address the SSOs

Ann Arbor CM

Submission ID. HNY-9QZS-HYP4A

Start Day	Start Time	End Day	End Time
3/14/2020	3:26:00 PM	3/14/2020	5:05:00 PM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00045		

Cause: At approximately 3:26 p.m. on Saturday, March 14, 2020, the City of Ann Arbor was notified of a manhole in UM Arboretum with water leaking from it. Upon further investigation, city public works crews identified this as a sanitary sewer overflow. City publ

Location: University of Michigan manhole 71-69221

SOC ACO issued with schedule for compliance

ACO has been issued to address the SSOs

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Ann Arbor CM

Submission ID. HP1-783B-9JF23

Start Day	Start Time	End Day	End Time
7/10/2020	9:00:00 AM	7/10/2020	10:00:00 AM

Rain(in.) = 0.16

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00000		

Cause: On Friday, July 10, a 42-inch sanitary sewer line was broken while undergoing renovations by a city contractor. An estimated 9000 gallons of sanitary sewage escaped the pipe into a pit created to facilitate the work and then re-entered the sanitary system

Location: Southside Interceptor Rehab Project - Construction Site

SOC ACO issued with schedule for compliance

EGLE Action: ACO has been issued to address the SSOs

Ann Arbor CM

Submission ID. HP2-BFR9-B8G2K

Start Day	Start Time	End Day	End Time
8/27/2020	2:00:00 PM	8/27/2020	2:30:00 PM

Waterbody: Allen Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00025		

Cause: roots and gravel caused a blockage in the 8" pipe, causing an overflow of sewage out of the upstream sanitary manhole lid (71-70599). The sewage flowed immediately over the curb, into the gutter, and flowed into the nearest storm drain.

Location: MH 71-70599

SOC ACO issued with schedule for compliance

ACO has been issued to address the SSOs

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Ann Arbor CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00550		

Augusta Township CM

Augusta Township CM

Submission ID. HNZ-VKK4-WQSKY

Start Day	Start Time	End Day	End Time
5/17/2020	5:00:00 PM	5/18/2020	4:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: In total there was 3 breaks in the force main located in front of 8330 Bunton rd. We speculate that the first break was causes by a farmer driving over the line. The first break caused higher than normal pressures on the line south of the original brea

EGLE Action: No additional action taken at this time.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Augusta Township CM

Submission ID. HP1-VNJJ-FXJH5

Start Day	Start Time	End Day	End Time
8/7/2020	7:00:00 PM	8/7/2020	7:30:00 PM

Waterbody: Swan Creek Drain

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Cause: Sewer force main in front of 8704 Bunton Rd was hit by a contractor doing soil boring testing.

EGLE Action: No further action required

Augusta Township CM

Submission ID. HP3-HT1Y-BDSCQ

Start Day	Start Time	End Day	End Time
10/15/2020	1:30:00 PM	10/15/2020	1:50:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00004		

Cause: Road Commission installing a Guide rail hit the force main sewer. Discharge only on to land.

No further action at this time

Totals Augusta Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00069		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Dexter CM

Dexter CM

Submission ID. HNZ-JNKZ-VE32A

Start Day	Start Time	End Day	End Time
5/6/2020	7:30:00 PM	5/8/2020	1:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

Cause: Broken service lead to sewer.

Location: MG

EGLE Action: No Additional action taken at this time.

Totals Dexter CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00015		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Manchester WWTP

Manchester WWTP

Submission ID. HNZ-VY89-5P051

Start Day	Start Time	End Day	End Time
5/18/2020	2:00:00 PM	5/19/2020	8:00:00 AM

Rain(in.) = 2.1

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00100

Cause: Due to the 2.1 inches of rainfall received in a 24 hour period, the Riverside lift station could not handle the volume of water coming into the system, overflowing from the confined space entry hatch.

Location: Riverside Lift Station

EGLE Action: No additional actions taken at this time.

Totals Manchester WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00100

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Scio Farms Estates

Scio Farms Estates

Submission ID. HNY-QZ52-RP7JA

Start Day	Start Time	End Day	End Time
4/2/2020	7:00:00 PM	4/3/2020	12:00:00 AM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00450		

Cause: I am notifying you of a Sanitary Sewer overflow at Scio Farms 6655 Jackson Rd Ann Arbor, MI 48103 that happened on 4/2/20 at approx. 7:00 pm - The sewer line was unplugged by 12:00 am. It has been concluded. The overflow never reached any pond water a

Location: Scio farms manhole

EGLE Action: Violation Notice sent on 4/6/20

Totals Scio Farms Estates

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00450		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Scio Township CM

Scio Township CM

Submission ID. HP1-1NG8-DYD5H

Start Day	Start Time	End Day	End Time
7/3/2020	7:45:00 PM	7/4/2020	2:15:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00200		

Cause: SEWER BACK UP FROM GREASE PLUGGING THE LINE. WATER SPILLED OUT FROM UNDER THE MANHOLE COVER AND FLOWED ON TO THE GROUND

Location: POLOFIELDS SUBDIVISION

EGLE Action: No additional action taken at this time.

Totals Scio Township CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00200		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Sylvan Township CM

Sylvan Township CM

Submission ID. HP2-MV5C-3RVHB

Start Day	Start Time	End Day	End Time
8/10/2020	10:00:00 AM	8/10/2020	11:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Cause: pump chain wrapped around float tree

Location: Guinan

EGLE Action: No actions taken at this time.

Totals **Sylvan Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Wildwood Ave- Private Lead

Wildwood Ave- Private Lead

Submission ID. HP2-NF48-EQZKQ

Start Day	Start Time	End Day	End Time
9/3/2020	3:00:00 PM	9/3/2020	3:01:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00001

Cause: The discharge was standard home sewage with water from home use. Reason for discharge was repair of damaged sewer lead.

EGLE Action: No additional actions taken at this time.

Totals **Wildwood Ave- Private Lead**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00001

County Totals **Washtenaw**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01287		**0.00101**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Wayne

Canton Township CM

Canton Township CM

Submission ID. HNW-S07D-G485G

Start Day	Start Time	End Day	End Time
1/13/2020	2:30:00 PM	1/13/2020	4:00:00 PM

Waterbody: Divine Lake / None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Cause: Failing Cap and Flange bolts

Location: MG

EGLE Action: Enforcement discretion

Totals **Canton Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Dearborn CSO

Submission ID. HNW-SWSB-SBZJ9

Start Day	Start Time	End Day	End Time
1/11/2020	10:10:00 AM	1/12/2020	4:21:00 AM

Rain(in.) = 2.87

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.90822

Cause: Northwest interceptor would not allow Dearborn to discharge 60cfs during wet weather. ; Approximately 10cfs overflowed manhole into the sewerage divisions storm drain structure that leads into the Rouge River for a period of 10.8 hrs

Location: Greenfield lift station

EGLE Action: No further action needed at this time

Dearborn CSO

Submission ID. HNW-TRRM-FW9DR

Start Day	Start Time	End Day	End Time
1/16/2020	9:30:00 AM	1/16/2020	1:30:00 PM

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.10771

Cause: hydro break was partially blocked in chamber 001 causing combined sewerage to overflow weir wall into the Rouge River. upon discovery, employees removed debris and flow is running normal.

Location: Chamber 001

Entity performs routine maintenance and inspection of the diversion chambers. No further action necessary.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HNZ-W3RQ-87W5H

Start Day	Start Time	End Day	End Time
3/28/2020	7:29:00 AM	3/29/2020	5:30:00 AM

Rain(in.) = 1.81

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		3.50064

Cause: north west interceptor to detroit would not accept contract pumping capacity, thus causing sso discharge from greenfield lift station for Dearborn.

Location: Greenfield lift station

SOC The NPDES Permit requires elimination of all uncontrolled CSO outfalls by December 31, 2025

EGLE Action: Continue to work with GLWA on master plan for projects to reduce HGL in NW Interceptor

Dearborn CSO

Submission ID. HNZ-W4FV-5PYJ2

Start Day	Start Time	End Day	End Time
5/18/2020	7:21:00 PM	5/19/2020	9:58:00 AM

Rain(in.) = 1.84

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		3.23136

Cause: North west interceptor for Detroit would not accept contractual pumping from Greenfield lift station for Dearborn, thus causing SSO Discharge.

Location: Greenfield lift station

SOC The NPDES Permit requires elimination of all uncontrolled CSO outfalls by December 31, 2025

Long-term Control Program being implemented; the Department reissued a permit that recognizes a modified LTCP. The permittee submitted a revised basis of design report in late 2009 followed by a financial capability assessment. The City requested a modi

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP0-TBJM-RHRNR

Start Day	Start Time	End Day	End Time
6/27/2020	12:48:00 AM	6/27/2020	7:16:00 AM

Rain(in.) = 2.43

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.74224

Cause: GLWA Northwest Interceptor would not allow Dearborn to discharge 60cfs from the Greenfield pumping station.

Location: Greenfield pumping station

EGLE Action: Continue to work with GLWA on master plan for projects to reduce HGL in NW Interceptor

Dearborn CSO

Submission ID. HP0-WABE-QTKHB

Start Day	Start Time	End Day	End Time
6/29/2020	9:35:00 AM	6/29/2020	10:15:00 AM

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01804		

Cause: Root mass and debris partial clogged hydrobrake gate.

Location: B-101 North Silvery Lane

No further action at this time. The City conducts weekly inspections of the diversion structure

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP1-7CH5-QAVX6

Start Day	Start Time	End Day	End Time
7/10/2020	11:28:00 PM	7/11/2020	1:36:00 AM

Rain(in.) = 2.02

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.56549

Cause: Northwest Interceptor would not allow Dearborn to discharge 60+ CFS, approximately 10 CFS overflowed manhole into Sewerage Division's storm drain structure that leads into the Rouge River for a period of 2.1 hours.

Location: Greenfield Pump Station

EGLE Action: Continue to work with GLWA on master plan for projects to reduce HGL in NW Interceptor

Dearborn CSO

Submission ID. HP2-BBRH-R6SGG

Start Day	Start Time	End Day	End Time
8/28/2020	5:30:00 AM	8/28/2020	6:39:00 PM

Rain(in.) = 3.87

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		3.44678

Cause: GLWA interceptor will not allow city of Dearborn to pump to contract capacity due to wet weather.

Location: Greenfield lift station

Continue to work with GLWA on master plan for projects to reduce HGL in NW Interceptor

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-FFYZ-1F76F

Start Day	Start Time	End Day	End Time
9/1/2020	10:05:00 PM	9/1/2020	10:21:00 PM

Rain(in.) = 2.12

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.07181

Cause: GLWA interceptor could not except the city of Dearborn's contract discharge capacity, thus causing excess flow to discharge to the Rouge River.

Location: Greenfield lift station

EGLE Action: Continue to work with GLWA on master plan for projects to reduce HGL in NW Interceptor

Dearborn CSO

Submission ID. HP2-M3F0-J9A2D

Start Day	Start Time	End Day	End Time
9/7/2020	5:23:00 AM	9/7/2020	7:14:00 AM

Rain(in.) = 1.1

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.16965

Cause: GLWA north west interceptor could not except contract pumping capacity from the city of Dearborn's Greenfield lift station during the 9/07/20 rain event.

Location: Greenfield lift station

Continue to work with GLWA on master plan for projects to reduce HGL in NW Interceptor

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Dearborn CSO

Submission ID. HP2-M41C-VW6TK

Start Day	Start Time	End Day	End Time
9/8/2020	9:47:00 AM	9/8/2020	1:57:00 PM

Rain(in.) = 1.54

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.80335

Cause: GLWA north west interceptor could not except contract capacity for city of Dearborn's Greenfield lift station.

Location: Greenfield lift station

EGLE Action: Continue to work with GLWA on master plan for projects to reduce HGL in NW Interceptor

Totals Dearborn CSO

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01804		**16.54726**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Dearborn Heights CM

Dearborn Heights CM

Submission ID. HNY-52NT-77CQ6

Start Day	Start Time	End Day	End Time
3/5/2020	11:30:00 AM	3/5/2020	11:45:00 PM

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00050

Cause: Sanitary sewage back coming out of manhole on to land and possibly the river.Contractor on site to do preventive maintenance noticed overflow out of manhole. Removed rags and flushable wipes from sewer.

Location: MH at 42.34171562605065, -83.26851316069572

EGLE Action: Violation Notice sent on 4/8/20

Dearborn Heights CM

Submission ID. HNY-5380-JZ3J6

Start Day	Start Time	End Day	End Time
3/6/2020	8:00:00 PM	3/6/2020	8:15:00 PM

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		

Cause: Sanitary sewerage back up coming out of manhole to land and possibly the river.Contractor on site doing preventive maintenance noticed overflow coming from manhole Removed blockage and removed blockage .

Location: Manhole at 42.34421717434577, -83.2674563534108

Violation Notice sent on 4/8/20

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Dearborn Heights CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00050		**0.00050**

General Motors LLC - Factory ZERO (Detroit-Hamtramck)

General Motors LLC - Factory ZERO (Detroit-Hamtramck)

Submission ID. HP2-VYTZ-G2S0R

Start Day	Start Time	End Day	End Time
9/17/2020	1:30:00 PM	9/17/2020	1:45:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: As part of construction activity, a section of sanitary sewer was thought to be abandoned and removed from service. When power was restored to the associated sanitary lift station, an estimated 50 gallons of sewage flowed through the pipe and entered the

Location: Northwest side of the property

EGLE Action: Follow u with GM to complete the line repair

Totals **General Motors LLC - Factory ZERO (Detroit-Hamtramck)**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

GLWA WRRF

GLWA WRRF

Submission ID. HP0-DCMP-7Z9RZ

Start Day	Start Time	End Day	End Time
5/21/2020	11:45:00 PM	5/22/2020	4:40:00 AM

Rain(in.) = 1.51

Waterbody: Detroit River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.30000	

Cause: Intermittent treated and disinfected effluent discharge from Belle Isle CSO RTB. The Belle Isle CSO-Retention Basin could not be emptied as the river water continued to inundate the facility because of high Detroit River elevation and the flooding of Bel

Location: Belle Isle CSO Outfall 108

EGLE Action: No further action taken at this time

Totals **GLWA WRRF**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.30000	

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

GM-CPC-Romulus Engine

GM-CPC-Romulus Engine

Submission ID. HNX-HGQM-1W1MQ

Start Day	Start Time	End Day	End Time
2/12/2020	10:20:00 AM	2/12/2020	1:30:00 PM

Waterbody: Onsite east storm pond

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00055		

Cause: A blockage in the sanitary line caused sanitary water to back flow out of the manhole and flowed across grass/bare ground into a storm; drain which lead to the site's east detention pond where it was contained. The storm pond is 3 MG and had roughly 1.5;

Location: McClaughrey Drain

EGLE Action: Violation Notice issued.

GM-CPC-Romulus Engine

Submission ID. HP1-3E2P-J9TRR

Start Day	Start Time	End Day	End Time
7/8/2020	1:45:00 PM	7/8/2020	3:20:00 PM

Waterbody: On-site storm system retention pond

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00006		

Cause: A blockage in the sanitary line caused sanitary sewer water to backflow out of a manhole on the property. Some of the sewage flowed across grass/bare ground into a storm drain which leads to an on-site storm system retention pond, where it was contained.

Location: McClaughrey Drain

No further action, entity will conduct further maintenance as required.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

GM-CPC-Romulus Engine

Submission ID. HP2-SGR8-R5XDG

Start Day	Start Time	End Day	End Time
9/14/2020	12:50:00 PM	9/14/2020	4:00:00 PM

Waterbody: On-site Storm System Retention Pond

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00005		

Cause: A blockage in the sanitary line caused sanitary sewer water to backflow out of a manhole on the property. Some of the sewage flowed across grass/bare ground into a storm drain which leads to an on-site storm system retention pond, where it was contained.

Location: MG

EGLE Action: No further action, facility has conducted maintenance as required.

Totals GM-CPC-Romulus Engine

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00066		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Grosse Ile Twp WWTP

Grosse Ile Twp WWTP

Submission ID. HNZ-XHK8-AA9GN

Start Day	Start Time	End Day	End Time
5/19/2020	11:00:00 AM	5/20/2020	3:00:00 PM

Rain(in.) = 2.16

Waterbody: Detroit River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.50000

Cause: Because of 2.16 inches of rain, extremely high historical Detroit River level, a strong easterly wind, and widespread flooding on Grosse Ile and across the region, the Grosse Ile WWTP EQ Basin filled and overflowed into the Detroit River. Certain areas a

Location: Grosse Ile WWTP EQ Basin Discharge

SOC See AACO-000023

EGLE Action: Sixth Administrative Consent Order AACO-000023 in effect to upgrade the sewerage system by 10/31/2025.

Totals Grosse Ile Twp WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		2.50000

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Grosse Pointe Shores CM

Grosse Pointe Shores CM

Submission ID. HNW-RZQP-VPNJ9

Start Day	Start Time	End Day	End Time
1/11/2020	12:10:00 PM	1/11/2020	12:45:00 PM

Rain(in.) = 2.25

Waterbody: Lake St. Clair

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.17500

Cause: The Cook Road Lift Station relief outfall was opened to lower the level in our interceptor while one of our VFD pumps became inoperable during a significant rain event.

Location: Cook Road Pump Station

EGLE Action: No further action at this time

Totals **Grosse Pointe Shores CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.17500

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lincoln Park CM

Lincoln Park CM

Submission ID. HNW-SZPD-A80V3

Start Day	Start Time	End Day	End Time
1/11/2020	2:30:00 PM	1/12/2020	10:30:00 AM

Rain(in.) = 2.76

Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		12.00000

Cause: exceeded retention basin 20.5 m capacity

EGLE Action: Referred for escalated enforcement

Lincoln Park CM

Submission ID. HNY-MQQ0-M7PWF

Start Day	Start Time	End Day	End Time
3/28/2020	11:30:00 AM	3/29/2020	5:30:00 AM

Rain(in.) = 1.89

Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		3.16000

Cause: Substantial Rainfall in the area, discharge was treated with Sodium Hypochlorite

Location: 001 RTB

Referred for escalated enforcement

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lincoln Park CM

Submission ID. HNZ-WWX4-S09WK

Start Day	Start Time	End Day	End Time
5/19/2020	3:00:00 AM	5/19/2020	5:00:00 PM

Rain(in.) = 2.57
Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		1.10000

Cause: Substantial Rainfall in the area, discharge was treated with Sodium Hypochlorite

Location: 001 RTB

EGLE Action: Referred for escalated enforcement

Lincoln Park CM

Submission ID. HP2-BFHS-NNNWA

Start Day	Start Time	End Day	End Time
8/28/2020	12:00:00 PM	8/29/2020	11:55:00 AM

Rain(in.) = 3.33
Waterbody: Ecorse Creek

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	21.40000	

Cause: Highly Diluted Sewage treated with Sodium Hypchlorhydrate. Reason is large rain event

Location: Lincoln Park Retention Basin

EGLE is in the process of escalated enforcement to resolve the continued SSO's

MG = million gallons
CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Lincoln Park CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	21.40000	**16.26000**

Melvindale CM

Melvindale CM

Submission ID. HNW-REGN-QJ2CE

Start Day	Start Time	End Day	End Time
1/11/2020	5:22:00 PM	1/12/2020	2:05:00 AM

Rain(in.) = 3

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.74265

Cause: A 3" rain event caused an overflow to our pump station.

Location: Rouge River

SOC Municipality is currently conducting a PPC. The results of the PPC will determine if a corretice action plan is necessary

EGLE Action: ACO issued to address discharge

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Melvindale CM

Submission ID. HP2-G82B-Q9RF6

Start Day	Start Time	End Day	End Time
8/28/2020	1:25:00 PM	8/28/2020	8:00:00 PM

Rain(in.) = 3

Waterbody: Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.20000	

Cause: Several inches of rain caused charge to storm sewer system. Our 1,000,000 gallon tank filled up. Needed to relieve some of the overflow.

Location: Rouge River

SOC City is currently under an ACO to address SSOs

EGLE Action: City is currently under an ACO to address SSOs

Totals Melvindale CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	1.20000	**0.74265**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Metro Commons MHC

Metro Commons MHC

Submission ID. HP4-X5JS-F48Z0

Start Day	Start Time	End Day	End Time
12/3/2020	8:30:00 AM	12/3/2020	11:15:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: The buried trap failed causing the sewage to discharge. Person(s) unknown removed the cleanout cap to allow the sewage to flow on the ground

EGLE Action: A VN was issued

Totals **Metro Commons MHC**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Northville Township CM

Northville Township CM

Submission ID. HNZ-61BX-QM31A

Start Day	Start Time	End Day	End Time
4/20/2020	9:30:00 PM	4/21/2020	10:00:00 AM

Waterbody: Unnamed Natural drainage course and wetl

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00450		

Cause: Blockage created by disposable wipes collecting on edge of pipe in manhole.

Location: Manhole 07-SAMH 031

EGLE Action: Violation Notice sent on 5/13/20

Totals **Northville Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00450		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Plymouth Township CM

Plymouth Township CM

Submission ID. HNY-4YZK-J9QN0

Start Day	Start Time	End Day	End Time
3/9/2020	1:00:00 PM	3/9/2020	3:45:00 PM

Waterbody: Middle Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00800		

Cause: Rags, wipes apparent cause. Murky, dark quality.

Location: MH B84

EGLE Action: Violation Notice sent on 4/2/20

Plymouth Township CM

Submission ID. HNZ-8H7K-NAN9W

Start Day	Start Time	End Day	End Time
4/24/2020	2:30:00 PM	4/24/2020	3:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00010		

Cause: Air release valve (ARV) failed.

Violation Notice forthcoming

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **Plymouth Township CM**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00810		

Rockwood WWTP

Rockwood WWTP

Submission ID. HNW-RRKH-NHYVW

Start Day	Start Time	End Day	End Time
1/12/2020	2:15:00 AM	1/12/2020	7:40:00 PM

Rain(in.) = 2.31

Waterbody: Huron River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.10920	

Cause: Chlorinated diluted raw sewage. Plant was hydraulically overloaded, flooding in the primary tanks, and to prevent basement flooding and property damage.

Location: EQ Basin - 18" discharge pipe

EGLE Action: SVN sent previously to address SSO discharges. City has committed to building additional wet weather storage

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Rockwood WWTP

Submission ID. HNY-P5S5-KH4FT

Start Day	Start Time	End Day	End Time
3/28/2020	10:45:00 AM	3/28/2020	4:30:00 PM

Rain(in.) = 2.12

Waterbody: Huron River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.31920	

Cause: Chlorinated diluted raw sewage. Plant was hydraulically overloaded, flooding in the primary tanks, and to prevent basement backups and property damage.

Location: Equalization Basin's 18" Sewer Overflow

EGLE Action: SVN sent previously to address SSO discharges. City has committed to building additional wet weather storage

Totals Rockwood WWTP

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
	0.42840	

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID. HNZ-HYKK-25ACC

Start Day	Start Time	End Day	End Time
5/6/2020	10:48:00 AM	5/6/2020	1:30:00 PM

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.07000		

Cause: Partial blockage of regulator L-42 caused flow to discharge into the 54 inch emergency overflow pipe from L-42.

Location: L-42

EGLE Action: Violation Notice sent for dry weather overflow event.

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID. HP2-SK6D-D9A7A

Start Day	Start Time	End Day	End Time
9/15/2020	9:37:00 AM	9/15/2020	12:16:00 PM

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00500		

Cause: Partial blockage of regulator L-42 caused flow to discharge into the 54 inch emergency overflow pipe from L-42.

Location: L-42

Second Violation Notice sent for this dry-weather discharge. This will be an escalation from Violation Notice No. VN-010763.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID. HP3-63RZ-YVZJC

Start Day	Start Time	End Day	End Time
9/30/2020	2:20:00 PM	10/1/2020	10:21:00 AM

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.04000		

Cause: Partial blockage of regulator L-42 caused flow to discharge into the 54 inch emergency overflow pipe from L-42.

Location: L-42

EGLE Action: Second Violation Notice No. SVN-00978 is pending.

Wayne Co/Inkster/Drbrn Hts CSO

Submission ID. HP4-TYNQ-EKYXC

Start Day	Start Time	End Day	End Time
12/7/2020	2:23:00 PM	12/7/2020	6:00:00 PM

Waterbody: Lower Rouge River

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.01000		

Cause: Partial blockage of regulator L-42 caused flow to discharge into the 54 inch emergency overflow pipe from L-42.

Location: L-42

Second Violation Notice sent for this dry-weather discharge. This will be an escalation from Violation Notice No. VN-010763.

Totals Wayne Co/Inkster/Drbrn Hts CSO

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.12500		

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Western Townships Utilities Authority

Western Townships Utilities Authority

Submission ID. HNW-JS7X-6J5XZ

Start Day	Start Time	End Day	End Time
1/6/2020	10:00:00 AM	1/6/2020	11:15:00 AM

Waterbody: Divine Lake / None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00003		

Cause: Air release valve leaked due to debris lodged in the seat

Location: ARV 25A

EGLE Action: Enforcement Discretion

Western Townships Utilities Authority

Submission ID. HNY-VTHQ-7VVWR

Start Day	Start Time	End Day	End Time
4/8/2020	8:30:00 PM	4/8/2020	11:00:00 PM

Waterbody: Divine Lake / None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: A piece of debris lodged in the top of the ARV causing a small leak.

Location: Michigan Avenue, E. of Haggerty (ARV 2B)

Enforcement Discretion

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Western Townships Utilities Authority

Submission ID. HP0-3YFK-ZBFH9

Start Day	Start Time	End Day	End Time
5/29/2020	10:30:00 AM	5/29/2020	1:00:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: During routine inspection (3x per week) a small leak was noted in the ARV.

Location: Air Release Valve (ARV) 3B

EGLE Action: Enforcement Discretion

Western Townships Utilities Authority

Submission ID. HP0-RCC0-MEK7E

Start Day	Start Time	End Day	End Time
6/24/2020	9:30:00 AM	6/24/2020	10:00:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00001

Cause: A chunk of rust had caused a small leak in the ARV

Location: ARV 24B

No further action taken at this time

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Western Townships Utilities Authority

Submission ID. HP1-3YPB-WF6Y1

Start Day	Start Time	End Day	End Time
7/8/2020	3:10:00 PM	7/8/2020	5:30:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00200		

Cause: 15" Sewer line was plugged due to excessive amounts of grease and paper products

Location: Manholes H16 and H17

EGLE Action: Violation Notice sent on 8/12/21

Totals **Western Townships Utilities Authority**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00205		**0.00001**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

YCUA Regional WWTP

YCUA Regional WWTP

Submission ID. HNW-FQ1V-BEW8G

Start Day	Start Time	End Day	End Time
1/2/2020	8:15:00 AM	1/2/2020	8:30:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00001		

Cause: Spilled material is thickened solids from the Primary Clarifiers. Reasons for discharge under investigation.

Location: Primary Solids Storage Tank

EGLE Action: No further action necessary

YCUA Regional WWTP

Submission ID. HP5-5W44-2A56V

Start Day	Start Time	End Day	End Time
12/20/2020	3:32:00 PM	12/20/2020	4:54:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00006		

Cause: Suspected rags and wipes plugged the sewer causing the sewage to exit the manhole

Location: A sanitary sewer manhole in Section 16, Charter Township of Ypsilanti to a Road side ditch - south of E. Bound I-94, approximately 1/10 mile we

VN-011412 was sent on 1/11/2021

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Totals **YCUA Regional WWTP**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00007		

County Totals **Wayne**

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.15919	**24.32840**	**36.22541**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Wexford

Lake Mitchell Sewer Authority (former Wexford Co DPW) CM

Lake Mitchell Sewer Authority (former Wexford Co DPW) CM

Submission ID. HNX-R2QS-MDKKS

Start Day	Start Time	End Day	End Time
2/22/2020	11:25:00 AM	2/22/2020	12:00:00 PM

Waterbody: None

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00060		

Cause: On 2/22/20 at 11:30 a.m., an LMSA Sewer Technician was dispatched to 110 Birch Court, GPS 53A, to respond to an emergency alarm. Upon arrival, the Technician observed sand covering the lid of the wet well, which indicated a possible break in the discharg

Location: Grinder Pump Station 53A

SOC See compliance communication dated 3/10/2020

EGLE Action: See VN dated 8/11/2017, compliance communication dated 3/10/2020, and related correspondence

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lake Mitchell Sewer Authority (former Wexford Co DPW) CM

Submission ID. HNZ-VZ21-7J5GD

Start Day	Start Time	End Day	End Time
5/18/2020	12:28:00 PM	5/18/2020	4:12:00 PM

Rain(in.) = 3.74

Waterbody: East Lake Mitchell swamp located directly E

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00133

Cause: On Monday, May 18, 2020, the auto-dialer system alerted staff of a high-water situation at SPS 1B. Upon arrival, the technicians observed the level in the wet-well was extremely high. The Sewer Technicians, pumped and hauled approximately 1,150 gallons

Location: Lift Station 1B

SOC Upgrade system, asset management, address I/I see VN-007294 & CC-002514

EGLE Action: compliance communication sent previously to address SSOs

Lake Mitchell Sewer Authority (former Wexford Co DPW) CM

Submission ID. HP0-8JRC-R45FM

Start Day	Start Time	End Day	End Time
6/3/2020	8:30:00 PM	6/3/2020	9:10:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00030		

Cause: A Sewer Technician was dispatched on June 3, 2020 at 8:30 p.m. to 3317 West Lake Mitchell Drive, grinder pump station 27A. Upon arrival, the station was discharging a small amount of wastewater and stopped after a couple of minutes. This happened approx

Location: Grinder Pump Station 27A

EGLE issued a VN for previous SSOs and has been working with the LMSA on sewer system improvements and corresponding schedules for corrective action.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lake Mitchell Sewer Authority (former Wexford Co DPW) CM

Submission ID. HP1-9TDC-RZM7M

Start Day	Start Time	End Day	End Time
7/16/2020	12:22:00 PM	7/16/2020	12:40:00 PM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00004		

Cause: The grinder pump station was inoperable due to wipes binding the pumps. When the pump tripped the breaker and activated the alarm the main fuse blew creating a temporary power loss to the station.

Location: 44A GPS

EGLE Action: EGLE previously issued a VN and CC related to overflows and the condition of the sewer system.

Lake Mitchell Sewer Authority (former Wexford Co DPW) CM

Submission ID. HP1-C2P8-D47K0

Start Day	Start Time	End Day	End Time
7/19/2020	11:36:00 AM	7/19/2020	12:00:00 PM

Rain(in.) = 1.5

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
		0.00005

Cause: The grinder pump station was inoperable due to disposable wipes binding the pumps, that tripped both breakers in the panel. This activated the audio and visual alarm. The responding technician believes the alarm was not reported right away, which also c

Location: Grinder Pump Station 32A

A VN and CC were previously sent to the LMSA regarding SSOs and the condition of the LMSA system.

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

'Sanitary Sewer Overflow ' Detail Report
January 1 - December 31, 2020

Lake Mitchell Sewer Authority (former Wexford Co DPW) CM

Submission ID. HP5-08TE-0NEYD

Start Day	Start Time	End Day	End Time
12/13/2020	12:30:00 PM	12/13/2020	12:55:00 AM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00020		

Cause: Sewer Technician responded to an alarm at lift station 2A at 12:50 p.m. The lift station is currently operational with one pump. This is due to the age of the station and the deterioration of the interior discharge pipe. There is a hole in the elbow of

Location: Lift Station 2A

SOC Upgrade system, asset management, address I/I see VN-007294 & CC-002514

EGLE Action: compliance communication sent previously to address SSOs

Totals Lake Mitchell Sewer Authority (former Wexford Co DPW) CM

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00114		**0.00138**

County Totals Wexford

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
0.00114		**0.00138**

Report Totals

Raw Sewage (MG)	Partially Treated (MG)	Dilute Raw Sewage (MG)
27.47764	**60.10059**	**315.55053**

MG = million gallons

CSO/RTB discharges are as a result of wet weather. Dry weather CSO/RTB discharges are also classified as SSOs.

contact Dan Beauchamp for further information: beauchampd@michigan.gov