



# **Northeast Ohio Regional Sewer District**

## **COMBINED SEWER OVERFLOW PUBLIC NOTIFICATION RULE**

### **ANNUAL NOTICE**

**2018**

**April 30, 2019**

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## 1.0 Introduction

On January 8, 2018, the United States Environmental Protection Agency (USEPA) promulgated the Public Notification Requirements for Combined Sewer Overflows to the Great Lakes Basin Rule (CSO Notification Rule) requiring, in part, National Pollutant Discharge Elimination System (NPDES) permittees that discharge combined sewer overflows (CSOs) to the Great Lakes Basin to develop and implement a Public Notification Plan for CSO discharges. The CSO Public Notification Plan describes how the Northeast Ohio Regional Sewer District (District) will ensure that the public receives notification of CSO occurrences and CSO impacts, as required by the CSO Notification Rule. Pursuant to the CSO Notification Rule, the District's CSO Public Notification Plan was submitted to the Ohio Environmental Protection Agency (Ohio EPA) on August 7, 2018. Implementation of the Plan was successfully initiated on November 7, 2018.

In addition to developing and implementing a CSO Public Notification Plan, the CSO Notification Rule also requires any Great Lakes Basin permittee to prepare an annual notice describing CSO discharges from its collection system during the previous calendar year. This annual notice must be made available to the public and must also be made available to the United States Environmental Protection Agency (USEPA) and the Ohio Environmental Protection Agency (Ohio EPA). In accordance with 40 CFR122.38(b), this document will serve as the District's annual notice for 2018, and covers the time period of November 7, 2018 through December 31, 2018.

## 2.0 Annual Notice Requirements

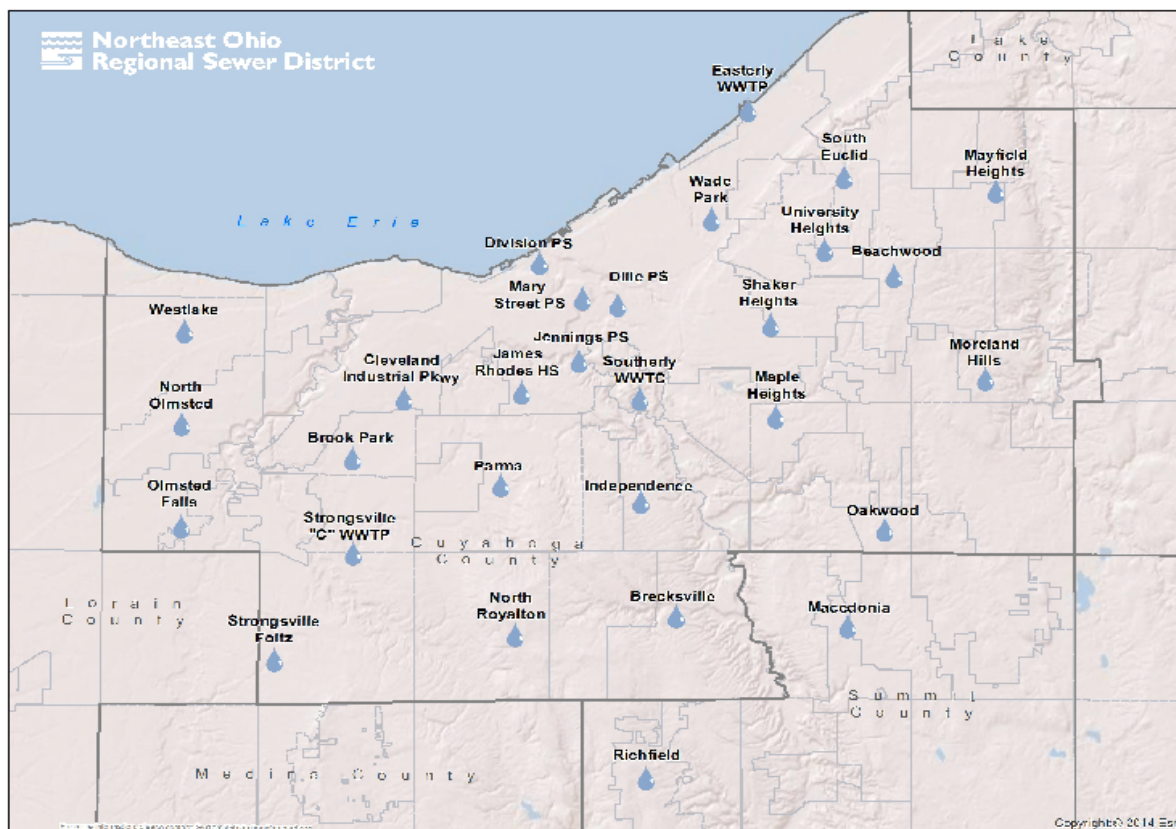
40CFR122.38(b)(1)-(8) requires the following items to be included in the annual report:

- The location and receiving water for each CSO discharge point, and (if applicable) any treatment provided;
- The date, location, approximate duration, measured or estimated volume and cause of each wet weather CSO discharge that occurred during the past calendar year;
- The date, location, duration, volume and cause of each dry weather CSO discharge that occurred during the past calendar year;
- A summary of available monitoring data for CSO discharges from the past calendar year;
- A description of any public access areas potentially impacted by each CSO discharge;
- If precipitation was the cause of a discharge (§ 122.38(b)(2)), the representative precipitation data in total inches, to the nearest tenth of an inch (0.1") that resulted in a CSO discharge;
- Permittee contact information, if not listed elsewhere on the website where the annual notice is provided; and
- A concise summary of the implementation of the nine minimum controls and the status of the implementation of the LTCP or other plans to reduce or prevent CSO discharge including:
  - ◊ A description of key milestones remaining to complete the implementation of the plan; and
  - ◊ A description of the average annual number of CSO discharges anticipated after implementation of the LTCP.

## 2.1 Precipitation Data

The District owns and maintains a network of twenty-nine (29) permanent rainfall gauges which collect data in 1-minute intervals. This data is used as input in the District's CSO models and in the District's predictive tool to generate estimated CSO discharge information. **Figure 1** below shows the location of all twenty-nine (29) District rain gauges.

Figure 1. NEORSR Rain Gauge Network



From November 7, 2018 to December 31, 2018, the following items were noted for the District's rain gauge locations:

- The Olmsted Falls rain gauge was out of service on 11/19/18
- The Jennings Pump Station rain gauge was out of service on 11/15/18

## 2.2 2018 CSO Volume and Activations

To report CSO discharge information in accordance with the 4-hour and 7-day notification requirements in the CSO Notification Rule, the District currently uses a combination of monitoring information from its 21 monitored CSO outfalls and information from its predictive tool for the remaining 97 CSOs. Section 4.4 of the District's CSO Public Notification Plan<sup>1</sup> indicated that the annual report for the CSO Notification Rule would be prepared using a summary of these results. However, upon further consideration, the District will instead provide a summary of the results from its annual collection system model runs for the 97 un-monitored CSOs and a summary of the field data collected from the 21 monitored sites. Section 4.4 of the District's CSO Public Notification Plan will be updated to reflect this change.

This approach is in accordance with the annual reporting requirements in the District's CSO NPDES permit, 3PA00002\*HD. These results will also match the data being reported in the District eDMRs in accordance with the District's CSO NPDES permit. **Appendix 1** contains all of the required information relating to the

<sup>1</sup> NEORSR Combined Sewer Overflow Public Notification Plan, Version 1.2 dated November 2018.

CSO locations, activations and discharges, including estimated rainfall totals that resulted in CSO discharge events.

### **3.0 Nine Minimum Controls Implementation**

The District administers its Nine Minimum Controls Program through its CSO Operational Plan, which was updated in 2016 as required in NPDES permit 3PA00002\*HD. Since then, the District has increased its ability to remotely monitor automatic regulators in the combined sewer system. In addition, the District continues to try to reduce the frequency and magnitude of wet weather overflows as well as prevent dry weather overflows by implementing the requirements of its CSO Operational Plan.

### **4.0 Long-Term Control Plan Implementation**

The District's Long-Term Control Plan is being implemented through Project Clean Lake, which is a 25-year program to reduce CSO volume to the environment from approximately 4.5 billion gallons per year to less than 0.5 billion gallons per year. Project Clean Lake was developed after the District entered into a Consent Decree with USEPA and Ohio EPA in July 2011, and consists of construction of seven large-diameter tunnels, as well as treatment plant improvements and expansions, collection system improvements, and green infrastructure practices. At the conclusion of Project Clean Lake, the number of CSOs will be significantly reduced to no more than five (5) events at any single CSO outfall, with many outfalls being controlled to zero (0) events.

The District continues to aggressively design and construct projects in accordance with Consent Decree and Project Clean Lake requirements, with many projects being completed ahead of the required schedule. Of note in 2018 was the activation of a portion of the Euclid Creek Tunnel and Easterly Tunnel Dewatering Pump Station controlling CSOs in a portion of the Easterly District, two (2) years ahead of schedule. More information on the status of Project Clean Lake can be found on the District's website at:

<https://www.neorsd.org/community/about-the-project-clean-lake-program/>.

## **Appendix 1: CSO Location and Discharge Information**

CSO 007					Receiving Water: Mill Creek		
<b>Location:</b> Bancroft Ave. W of Warner Rd., behind 7414 Bancroft Ave., Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 013					Receiving Water: Mill Creek		
<b>Location:</b> 100' W of W end of Maryland Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 014					Receiving Water: Mill Creek		
<b>Location:</b> Laumar Ave., W of E 77th St., W of 7684 Laumar Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 017					Receiving Water: Mill Creek		
<b>Location:</b> Down Gravel Rd. at Dorver Ave. & E 77th St., E of RR Tracks, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 019					Receiving Water:		Mill Creek
<b>Location:</b> Under Warner Rd., Bridge at Broadway Rd., access thru Webbs Terrace Rd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Garfield Park Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 020					Receiving Water:		Mill Creek
<b>Location:</b> Along Mill Creek, W of exit ramp from Warner Rd. to Broadway Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Garfield Park Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 021					Receiving Water:		Mill Creek
<b>Location:</b> W of E 94th St. & Broadway Ave. intersection, E side of creek, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Garfield Park Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 022					Receiving Water:		Mill Creek
<b>Location:</b> E Blvd. Bridge, 130' N of Cranwood Pump Station, Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			



CSO 025					Receiving Water: Mill Creek		
<b>Location:</b> E 131st St., S Outfall at Cranwood Park, Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 027					Receiving Water: Mill Creek		
<b>Location:</b> S side of Johnston Rd., near the Fitness Trail, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Arthur Johnston Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 028					Receiving Water: Mill Creek		
<b>Location:</b> Located between ends of Kollin Ave. & E 173rd St., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 030					Receiving Water: Mill Creek		
<b>Location:</b> E 88th St. & S Highland Ave. behind 5138 E 88th St., Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 031					Receiving Water: Mill Creek		
<b>Location:</b> W of E 81st St. & Vista Ave., S of Dirt Rd., Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:15	Wet	0.86	1.00	0.0900	Modelled	Wet Weather Response	
<b>Totals</b>		<b>0.86</b>	<b>1.00</b>	<b>0.0900</b>			

CSO 032					Receiving Water: Mill Creek		
<b>Location:</b> Garfield Park Reservation, along Wolf Creek, across from Nature Center, Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Garfield Park Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 033					Receiving Water: Cuyahoga River		
<b>Location:</b> Intersection of Harvard Ave. & Denison Ave., S of Alcoa Gate #5, Cuyahoga Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Towpath Trail							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:15	Wet	0.92	0.90	0.0100	Modelled	Wet Weather Response	
<b>Totals</b>		<b>0.92</b>	<b>0.90</b>	<b>0.0100</b>			

CSO 035					Receiving Water: Cuyahoga River		
<b>Location:</b> Burke Brook at Cuyahoga River, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:45	Wet	0.92	1.00	0.0848	Monitored	Wet Weather Response	
<b>Totals</b>		<b>0.92</b>	<b>1.00</b>	<b>0.0848</b>			

CSO 036					Receiving Water: Cuyahoga River		
<b>Location:</b> Morgana Run at Cuyahoga River, W of Campbell Rd. & Independence Rd. intersection, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/18 4:35	Wet	0.77	13.60	2.3600	Modelled	Wet Weather Response	
12/20/18 21:30	Wet	0.84	5.30	6.8200	Modelled	Wet Weather Response	
12/31/18 14:35	Wet	0.89	4.40	10.8200	Modelled	Wet Weather Response	
<b>Totals</b>		<b>2.50</b>	<b>23.30</b>	<b>20.0000</b>			

CSO 037					Receiving Water: Cuyahoga River		
<b>Location:</b> 1,500' N of Morgana Run at Cuyahoga River (Southernmost Pipe), Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 038					Receiving Water: Cuyahoga River		
<b>Location:</b> 600' SW of E 26th St. & Independence Rd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 039					Receiving Water: Cuyahoga River		
<b>Location:</b> At Cuyahoga River turning basin 400' W of Independence Rd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/18 4:30	Wet	1.01	1.70	0.0400	Modelled	Wet Weather Response	
12/20/18 22:26	Wet	0.78	3.60	0.0500	Modelled	Wet Weather Response	
12/31/18 15:05	Wet	0.86	3.20	0.2700	Modelled	Wet Weather Response	
<b>Totals</b>		<b>2.65</b>	<b>8.50</b>	<b>0.3600</b>			

CSO 040					Receiving Water: Cuyahoga River		
<b>Location:</b> Kingsbury Run at Cuyahoga River, approx. 100' N of Jefferson Rd., Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/19 4:55	Wet	0.83	3.17	0.4162	Monitored	Wet Weather Response	
12/20/18 22:50	Wet	0.50	1.17	0.1687	Monitored	Wet Weather Response	
12/21/18 0:00	Wet	0.38	2.92	0.6647	Monitored	Wet Weather Response	
12/31/18 15:30	Wet	1.01	3.58	2.7990	Monitored	Wet Weather Response	
<b>Totals</b>		<b>2.72</b>	<b>10.84</b>	<b>4.0486</b>			

CSO 043					Receiving Water: Treadway Creek		
<b>Location:</b> E of intersection of Tarlton Ave. & W 15th St., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Treadway Creek Trail							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 044					Receiving Water: Treadway Creek		
<b>Location:</b> N of intersection of Irving Ave. & South Hills Dr., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Harmody Park and Treadway Creek Trail							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:55	Wet	0.92	0.17	0.0142	Monitored	Wet Weather Response	
<b>Totals</b>		<b>0.92</b>	<b>0.17</b>	<b>0.0142</b>			

CSO 045					Receiving Water: Big Creek		
<b>Location:</b> NE of intersection of Jennings Ave. & Valley Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 16:00	Wet	0.92	0.42	0.0274	Monitored	Wet Weather Response	
<b>Totals</b>		<b>0.92</b>	<b>0.42</b>	<b>0.0274</b>			

CSO 050					Receiving Water: Big Creek		
<b>Location:</b> E side of old bridge, under W 25th St. bridge, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Zoo							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:10	Wet	0.81	0.90	0.0100	Modelled	Wet Weather Response	
<b>Totals</b>		<b>0.81</b>	<b>0.90</b>	<b>0.0100</b>			

CSO 051					Receiving Water: Big Creek		
<b>Location:</b> Main entrance of Zoo at Brookside Dr. at mouth of triple culvert, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/21/18 0:30	Wet	0.86	0.80	0.0100	Modelled	Wet Weather Response	
12/31/18 15:20	Wet	0.81	2.60	0.4600	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.67</b>	<b>3.40</b>	<b>0.4700</b>			

CSO 052					Receiving Water: Big Creek		
<b>Location:</b> Big Creek culvert beneath main entrance parking lot @ Zoo, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 053					Receiving Water: Big Creek		
<b>Location:</b> Intersection of John Nagy Blvd. & W 57th St., S side of creek, Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Brookside Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/18 4:05	Wet	0.83	18.00	0.1100	Modelled	Wet Weather Response	
12/20/18 19:58	Wet	0.86	6.10	0.1400	Modelled	Wet Weather Response	
12/31/18 13:31	Wet	0.81	4.60	0.8200	Modelled	Wet Weather Response	
<b>Totals</b>		<b>2.50</b>	<b>28.70</b>	<b>1.0700</b>			

CSO 054					Receiving Water: Big Creek		
<b>Location:</b> N of John Nagy Blvd. just W of Ridge Rd. bridge, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Brookside Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/20/18 23:35	Wet	0.86	2.80	0.2700	Modelled	Wet Weather Response	
12/31/18 15:17	Wet	0.81	3.30	1.1500	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.67</b>	<b>6.10</b>	<b>1.4200</b>			

CSO 055					Receiving Water: Big Creek		
<b>Location:</b> Under bridge E of Bellaire Rd. & Kensington Rd., Linndale							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 056					Receiving Water: Big Creek		
<b>Location:</b> Under bridge E of Bellaire Rd. & Kensington Rd., Linndale							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/15/18 23:05	Wet	0.25	0.92	0.0331	Monitored	Wet Weather Response	
12/16/18 0:00	Wet	0.06	1.17	0.0715	Monitored	Wet Weather Response	
12/20/18 21:00	Wet	0.47	3.00	0.6037	Monitored	Wet Weather Response	
12/21/18 0:00	Wet	0.32	9.00	1.8859	Monitored	Wet Weather Response	
12/31/18 14:15	Wet	1.02	9.75	3.7866	Monitored	Wet Weather Response	
<b>Totals</b>		<b>2.12</b>	<b>23.84</b>	<b>6.3808</b>			

CSO 057					Receiving Water: Big Creek		
<b>Location:</b> Memphis & I-71, under interstate, Linndale							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 9:30	Wet	0.19	1.10	0.0600	Modelled	Wet Weather Response	
11/15/18 11:50	Wet	0.66	10.90	3.9500	Modelled	Wet Weather Response	
11/18/18 15:30	Wet	0.22	1.30	0.1300	Modelled	Wet Weather Response	
11/26/18 4:21	Wet	0.80	21.00	3.1700	Modelled	Wet Weather Response	
12/1/18 15:10	Wet	0.38	3.70	1.5500	Modelled	Wet Weather Response	
12/15/18 22:35	Wet	0.31	2.40	0.3300	Modelled	Wet Weather Response	
12/20/18 20:50	Wet	0.79	13.00	5.6300	Modelled	Wet Weather Response	
12/31/18 13:52	Wet	1.02	10.10	9.9400	Modelled	Wet Weather Response	
<b>Totals</b>		<b>4.37</b>	<b>63.50</b>	<b>24.7600</b>			



CSO 058					Receiving Water: Big Creek		
<b>Location:</b> W 114th St. & Peony Ave., Behind 3628 W 114th St., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/15/18 13:10	Wet	0.66	3.17	4.1957	Monitored	Wet Weather Response	
11/26/18 5:20	Wet	0.77	4.67	4.9105	Monitored	Wet Weather Response	
12/1/18 15:50	Wet	0.37	2.00	3.3667	Monitored	Wet Weather Response	
12/20/18 23:00	Wet	0.47	1.00	1.4839	Monitored	Wet Weather Response	
12/21/18 0:00	Wet	0.32	6.00	6.9379	Monitored	Wet Weather Response	
12/31/18 15:10	Wet	1.02	7.17	18.5104	Monitored	Wet Weather Response	
<b>Totals</b>		<b>3.61</b>	<b>24.01</b>	<b>39.4051</b>			

CSO 059					Receiving Water: Spring Creek		
<b>Location:</b> Spring Rd. at Jennings Rd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:55	Wet	0.92	0.42	0.1627	Monitored	Wet Weather Response	
<b>Totals</b>		<b>0.92</b>	<b>0.42</b>	<b>0.1627</b>			

CSO 060					Receiving Water: Cuyahoga River		
<b>Location:</b> Big Creek emergency bypass off Van Epps Blvd., Brooklyn Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Towpath Trail							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 062					Receiving Water: Rocky River		
<b>Location:</b> Mid-point of Puritas Rd. hill into Metroparks, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Rocky River Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
Modelling Data Not Available							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 063					Receiving Water: West Creek		
<b>Location:</b> Along Granger Rd., SE of the Westbound I-480 exit to Granger Rd., Brooklyn Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 064					Receiving Water: Rocky River		
<b>Location:</b> End of Larchwood Ave., W of intersection with Riveredge Rd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Rocky River Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 065					Receiving Water: Rocky River		
<b>Location:</b> N of Old Lorain Rd. bridge over Rocky River, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Rocky River Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 066					Receiving Water: Rocky River		
<b>Location:</b> End of W 178th St., behind 17810 Allien Ave., high on hillside, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Rocky River Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 067					Receiving Water: Rocky River		
<b>Location:</b> W of 3870 Rocky River Dr. at NW Corner of Kamm's Plaza, high on hillside, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Rocky River Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 068					Receiving Water: Rocky River		
<b>Location:</b> Off Hogsback Ln., SW of Intersection with Riverside Dr., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Rocky River Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/15/18 12:45	Wet	0.66	7.00	0.0800	Modelled	Wet Weather Response	
11/26/18 5:05	Wet	0.80	18.50	0.0900	Modelled	Wet Weather Response	
12/1/18 15:45	Wet	0.38	1.00	0.0400	Modelled	Wet Weather Response	
12/20/18 22:15	Wet	0.79	7.20	0.2300	Modelled	Wet Weather Response	
12/31/18 14:35	Wet	1.02	5.90	0.6700	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.65</b>	<b>39.60</b>	<b>1.1100</b>			

CSO 069					Receiving Water:		Lake Erie
<b>Location:</b> Upper Edgewater Park, approximately 300 yards W of bathing beach, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Edgewater Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 071					Receiving Water:		Lake Erie
<b>Location:</b> Harborview Dr. & W 117th St., behind 11644 Harborview Dr., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 072					Receiving Water:		Mill Creek
<b>Location:</b> Access thru Harvard Refuse Inc. at Finney Rd. & E 78th St., along Mill Creek, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 073					Receiving Water:		Doan Brook
<b>Location:</b> Giddings Brook at Doan Brook, NE of intersection of Baldwin Rd. & Fairhill Rd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Ambler Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/20/18 22:36	Wet	1.09	3.40	0.0600	Modelled	Wet Weather Response	
12/31/18 15:00	Wet	1.01	3.20	1.7300	Modelled	Wet Weather Response	
<b>Totals</b>		<b>2.10</b>	<b>6.60</b>	<b>1.7900</b>			

<b>CSO 074</b>					<b>Receiving Water: Cuyahoga River</b>		
<b>Location:</b> W 45 St. at Old River Bed, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Channel Park Marina							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:30	Wet	1.02	1.50	0.0700	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.02</b>	<b>1.50</b>	<b>0.0700</b>			

<b>CSO 075</b>					<b>Receiving Water: Cuyahoga River</b>		
<b>Location:</b> River Rd. & Elm St., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 16:47	Wet	1.02	1.60	0.1600	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.02</b>	<b>1.60</b>	<b>0.1600</b>			

<b>CSO 076</b>					<b>Receiving Water: Cuyahoga River</b>		
<b>Location:</b> Center St. & Cuyahoga River on W side of river, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 17:10	Wet	1.02	1.00	0.0100	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.02</b>	<b>1.00</b>	<b>0.0100</b>			

CSO 078					Receiving Water: Cuyahoga River		
<b>Location:</b> Columbus Rd. & Cuyahoga River on W side of river, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rivergate Park, Heritage Park, and Settlers Landing Park Canalway Partners: Hart Crane Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/20/18 23:22	Wet	0.84	1.90	0.0300	Modelled	Wet Weather Response	
12/31/18 15:05	Wet	1.02	3.10	0.3400	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.86</b>	<b>5.00</b>	<b>0.3700</b>			

CSO 080					Receiving Water: Cuyahoga River		
<b>Location:</b> University Rd., SE of 2065 Scranton Rd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Towpath Trail							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 9:05	Wet	0.25	2.08	0.1968	Monitored	Wet Weather Response	
11/15/18 12:00	Wet	0.73	8.58	2.8617	Monitored	Wet Weather Response	
11/18/18 14:55	Wet	0.19	2.25	0.3570	Monitored	Wet Weather Response	
11/26/18 4:40	Wet	0.87	6.92	4.6116	Monitored	Wet Weather Response	
12/1/18 15:40	Wet	0.33	2.42	1.7620	Monitored	Wet Weather Response	
12/15/18 23:05	Wet	0.14	0.25	0.0009	Monitored	Wet Weather Response	
12/20/18 20:40	Wet	0.49	3.33	1.9548	Monitored	Wet Weather Response	
12/21/18 0:00	Wet	0.35	4.67	4.1754	Monitored	Wet Weather Response	
12/31/18 14:15	Wet	1.02	7.17	11.2423	Monitored	Wet Weather Response	
<b>Totals</b>		<b>4.37</b>	<b>37.67</b>	<b>27.1625</b>			

CSO 081								Receiving Water: Cuyahoga River	
<b>Location:</b>		Downstream of W 3rd St. bridge, Cleveland							
<b>Treatment:</b>		None							
<b>Potentially Impacted Public Access Area:</b>		N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments		
No Discharge									
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>					

CSO 082								Receiving Water: Cuyahoga River	
<b>Location:</b>		W 3rd St. & Cuyahoga River under bridge on S side of river, Cleveland							
<b>Treatment:</b>		None							
<b>Potentially Impacted Public Access Area:</b>		N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments		
No Discharge									
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>					

CSO 083								Receiving Water: Big Creek	
<b>Location:</b>		W 25th St. bridge & Big Creek, W of bridge on N side of creek, Cleveland							
<b>Treatment:</b>		None							
<b>Potentially Impacted Public Access Area:</b>		N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments		
No Discharge									
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>					

CSO 084								Receiving Water: Big Creek	
<b>Location:</b>		1,000 feet E of Ridge Rd. & Associate Ave., Cleveland							
<b>Treatment:</b>		None							
<b>Potentially Impacted Public Access Area:</b>		N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments		
No Discharge									
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>					

CSO 085					Receiving Water: Barberton Creek		
<b>Location:</b> W 56th St. S of Dennison Ave., behind Palmer Supply Co, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/13/18 9:35	Dry	0.00	0.42	0.0000	Modelled	Grit/Leaves	Site is normally modelled but DWO volume is a field estimate based on site knowledge
<b>Totals</b>		<b>0.00</b>	<b>0.42</b>	<b>0.0000</b>			

CSO 086					Receiving Water: Cuyahoga River		
<b>Location:</b> Mary St. E of W 3rd St. at Cuyahoga River, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 087					Receiving Water: Cuyahoga River		
<b>Location:</b> E of Houston Ave. & Quigley Rd. at Cuyahoga River, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/18 4:35	Wet	0.77	12.50	0.0400	Modelled	Wet Weather Response	
12/20/18 21:30	Wet	0.84	4.70	0.0700	Modelled	Wet Weather Response	
12/31/18 14:25	Wet	0.89	3.90	0.2300	Modelled	Wet Weather Response	
<b>Totals</b>		<b>2.50</b>	<b>21.10</b>	<b>0.3400</b>			



CSO 088					Receiving Water: Cuyahoga River		
<b>Location:</b> Located on LTV Steel property, N of RR bridge, on W side of river, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/18 4:55	Wet	0.96	0.50	0.0452	Monitored	Wet Weather Response	
12/21/18 0:30	Wet	0.37	0.58	0.0546	Monitored	Wet Weather Response	
12/31/18 15:30	Wet	0.92	2.33	0.5389	Monitored	Wet Weather Response	
<b>Totals</b>		<b>2.25</b>	<b>3.41</b>	<b>0.6387</b>			

CSO 089					Receiving Water: Cuyahoga River		
<b>Location:</b> E of W 3rd St. Pump Station, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 091					Receiving Water: Cuyahoga River		
<b>Location:</b> Old River Rd. & Main Ave. on E side of river, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 092					Receiving Water: Cuyahoga River		
<b>Location:</b> Intersection of Old River Rd. & Front Ave. at Cuyahoga River, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Wendy Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 093					Receiving Water:		Lake Erie
<b>Location:</b> N of Municipal Stadium, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 094					Receiving Water:		Lake Erie
<b>Location:</b> N of E 12th St. & Lakeside Ave. at USS COD, Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/18 4:45	Wet	0.87	1.70	0.1500	Modelled	Wet Weather Response	
12/1/18 15:45	Wet	0.35	0.60	0.0100	Modelled	Wet Weather Response	
12/20/18 22:37	Wet	0.84	3.50	0.2300	Modelled	Wet Weather Response	
12/31/18 15:05	Wet	1.02	3.50	1.8600	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.08</b>	<b>9.30</b>	<b>2.2500</b>			

CSO 095					Receiving Water:		Lake Erie
<b>Location:</b> N of E 20th St. & Lakeside Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 096					Receiving Water: Lake Erie		
<b>Location:</b> N of E 26th St. & Lakeside Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:35	Wet	1.02	2.70	0.2800	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.02</b>	<b>2.70</b>	<b>0.2800</b>			

CSO 097					Receiving Water: Lake Erie		
<b>Location:</b> N of I-71 & I-90, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:25	Wet	0.89	1.00	0.0200	Modelled	Wet Weather Response	
<b>Totals</b>		<b>0.89</b>	<b>1.00</b>	<b>0.0200</b>			

CSO 098					Receiving Water: Lake Erie		
<b>Location:</b> N of E 33rd St. & Lakeside Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 8:50	Wet	0.25	1.70	0.0100	Modelled	Wet Weather Response	
11/26/18 4:30	Wet	0.87	18.20	0.1900	Modelled	Wet Weather Response	
12/1/18 15:35	Wet	0.35	1.80	0.0300	Modelled	Wet Weather Response	
12/20/18 20:06	Wet	0.84	6.70	0.3400	Modelled	Wet Weather Response	
12/31/18 13:41	Wet	1.02	6.60	0.5000	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.33</b>	<b>35.00</b>	<b>1.0700</b>			

CSO 099					Receiving Water: Lake Erie		
<b>Location:</b> N of E 38th St. & King Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 200					Receiving Water: Lake Erie		
<b>Location:</b> N of E 40th St. & King Ave., N of Aviation High School, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Lakeside Yacht Club							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 6:35	Wet	0.20	1.27	5.6000	Modelled	Wet Weather Response	
11/15/18 9:50	Wet	0.40	2.39	13.1000	Modelled	Wet Weather Response	
11/18/18 1:05	Wet	0.16	0.82	5.8000	Modelled	Wet Weather Response	
11/20/18 7:00	Wet	0.12	0.24	5.0000	Modelled	Wet Weather Response	
11/24/18 5:25	Wet	0.13	0.79	6.1000	Modelled	Wet Weather Response	
11/26/18 3:50	Wet	0.77	4.21	21.8000	Modelled	Wet Weather Response	
12/1/18 3:07	Wet	0.21	0.79	3.5000	Modelled	Wet Weather Response	
12/2/18 6:20	Wet	0.19	0.08	1.4000	Modelled	Wet Weather Response	
12/3/18 12:35	Wet	0.19	0.54	7.6000	Modelled	Wet Weather Response	
12/6/18 15:10	Wet	0.08	0.21	5.0000	Modelled	Wet Weather Response	
12/15/18 21:26	Wet	0.09	0.17	6.9000	Modelled	Wet Weather Response	
12/20/18 20:15	Wet	0.42	3.50	0.1364	Monitored	Wet Weather Response	
12/21/18 0:00	Wet	0.33	3.50	0.1174	Monitored	Wet Weather Response	
12/31/18 13:55	Wet	0.88	3.92	0.1865	Monitored	Wet Weather Response	
<b>Totals</b>		<b>4.17</b>	<b>22.43</b>	<b>82.2403</b>			

CSO 201					Receiving Water: Lake Erie		
<b>Location:</b> Forest City Yacht Club at Marquette St. & N Marginal Dr., Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> Forest City Yacht Club							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/18 5:05	Wet	0.77	1.40	0.1100	Modelled	Wet Weather Response	
12/20/18 22:41	Wet	0.84	3.60	0.2900	Modelled	Wet Weather Response	
12/31/18 15:10	Wet	0.89	3.30	0.9500	Modelled	Wet Weather Response	
<b>Totals</b>		<b>2.50</b>	<b>8.30</b>	<b>1.3500</b>			

CSO 202					Receiving Water: Lake Erie		
<b>Location:</b> E 55th St. at Lake Erie, Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: E. 55th St. Marina							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 16:00	Wet	0.91	0.75	0.0505	Monitored	Wet Weather Response	
<b>Totals</b>		<b>0.91</b>	<b>0.75</b>	<b>0.0505</b>			

CSO 203					Receiving Water: Lake Erie		
<b>Location:</b> E of E 55th St., N of Cleveland Lakefront State Park Marina, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: E. 55th St. Marina							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:50	Wet	0.89	0.80	0.1200	Modelled	Wet Weather Response	
<b>Totals</b>		<b>0.89</b>	<b>0.80</b>	<b>0.1200</b>			

CSO 204					Receiving Water: Lake Erie		
<b>Location:</b> Gordon Park W of E 72nd St. at Lake Erie, Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: E. 72nd Fishing Area							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/18 5:15	Wet	0.78	0.70	1.5000	Modelled	Wet Weather Response	
12/20/18 22:38	Wet	0.78	1.06	3.8600	Modelled	Wet Weather Response	
12/31/18 15:10	Wet	0.97	2.92	3.6600	Modelled	Wet Weather Response	
<b>Totals</b>		<b>2.53</b>	<b>4.68</b>	<b>9.0200</b>			

CSO 205					Receiving Water: Lake Erie		
<b>Location:</b> NW of E 88th St. & Carr Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Gordon Park Port of Cleveland: Cleveland Lakefront Nature Preserve							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/15/18 12:05	Wet	0.61	2.70	0.1300	Modelled	Wet Weather Response	
11/26/18 4:35	Wet	0.78	12.10	0.2100	Modelled	Wet Weather Response	
12/20/18 21:35	Wet	0.78	4.70	0.3000	Modelled	Wet Weather Response	
12/31/18 14:40	Wet	0.97	3.90	0.8500	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.14</b>	<b>23.40</b>	<b>1.4900</b>			

CSO 206					Receiving Water: Lake Erie		
<b>Location:</b> N end of E 156th St. at Lake Erie, Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Lakefront Reservation, Villa Angela Beach, and Euclid Beach Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 207					Receiving Water:		Lake Erie
<b>Location:</b> NW of E 156th St. & Lakeshore Blvd. (Green Creek), Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 208					Receiving Water:		Lake Erie
<b>Location:</b> N of Neff Rd. & East Park Dr. intersection, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> East Shore Park Club							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 209					Receiving Water:		Euclid Creek
<b>Location:</b> W side of Euclid Creek at Lakeshore Blvd., Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Euclid Creek Reservation (includes Wildwood Park, Wildwood Marina, Villa Angela Beach, and Euclid Beach)							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/15/18 12:55	Wet	0.61	2.70	0.1800	Modelled	Wet Weather Response	
11/26/18 5:10	Wet	0.78	12.50	0.1800	Modelled	Wet Weather Response	
12/20/18 22:25	Wet	0.78	4.40	0.5600	Modelled	Wet Weather Response	
12/31/18 15:15	Wet	0.97	4.20	1.0700	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.14</b>	<b>23.80</b>	<b>1.9900</b>			

CSO 210					Receiving Water: Lake Erie		
<b>Location:</b> Under St. Clair Ave. bridge, E of Nottingham Rd. & St. Clair Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 211					Receiving Water: Nine Mile Creek		
<b>Location:</b> Nine-Mile Creek, E of Coit Rd., between RR tracks, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 212					Receiving Water: Nine Mile Creek		
<b>Location:</b> Belvoir Blvd. opposite Quilliams Ave., E side of Creek, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:10	Wet	0.98	3.10	0.0600	Modelled	Wet Weather Response	
<b>Totals</b>		<b>0.98</b>	<b>3.10</b>	<b>0.0600</b>			

CSO 214					Receiving Water: Green Creek		
<b>Location:</b> Behind American Steel Supplies at Saranac Rd. & E 170th St., along RR, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/20/18 22:08	Wet	0.83	4.00	0.0200	Modelled	Wet Weather Response	
12/31/18 15:01	Wet	0.98	3.30	0.2100	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.81</b>	<b>7.30</b>	<b>0.2300</b>			



CSO 215					Receiving Water: Doan Brook		
<b>Location:</b> W side of Doan Brook at St. Clair Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 216					Receiving Water: Doan Brook		
<b>Location:</b> W of Parkgate Ave. & East Blvd., E side of Doan Brook, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 217					Receiving Water: Doan Brook		
<b>Location:</b> W of Martin Luther King Blvd. & E 98th St., E side of Doan Brook, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/15/18 13:23	Wet	0.61	6.70	0.0200	Modelled	Wet Weather Response	
11/26/18 5:20	Wet	0.78	21.60	0.1000	Modelled	Wet Weather Response	
12/20/18 22:16	Wet	0.78	6.80	0.1000	Modelled	Wet Weather Response	
12/31/18 15:10	Wet	0.97	5.10	0.2100	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.14</b>	<b>40.20</b>	<b>0.4300</b>			

CSO 218					Receiving Water: Doan Brook		
<b>Location:</b> E side of Doan Brook, S of Superior Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/26/18 5:05	Wet	0.77	2.67	0.1485	Monitored	Wet Weather Response	
12/20/18 23:10	Wet	0.42	0.83	0.0310	Monitored	Wet Weather Response	
12/21/18 0:00	Wet	0.32	2.83	0.1724	Monitored	Wet Weather Response	
12/31/18 15:40	Wet	0.91	3.33	0.4932	Monitored	Wet Weather Response	
<b>Totals</b>		<b>2.42</b>	<b>9.66</b>	<b>0.8451</b>			

CSO 219					Receiving Water: Doan Brook		
<b>Location:</b> W side of Doan Brook, N of Superior Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 220					Receiving Water: Doan Brook		
<b>Location:</b> Across from intersection of East Blvd. & Ashbury Blvd. on E side of Doan Brook, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/21/18 0:35	Wet	0.89	1.60	0.0500	Modelled	Wet Weather Response	
12/31/18 15:25	Wet	0.88	3.40	1.0800	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.77</b>	<b>5.00</b>	<b>1.1300</b>			

CSO 221					Receiving Water: Doan Brook		
<b>Location:</b> E 105th St. & Hough Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 8:55	Wet	0.20	1.70	0.1600	Modelled	Wet Weather Response	
11/15/18 12:45	Wet	0.40	2.50	0.2000	Modelled	Wet Weather Response	
11/26/18 4:45	Wet	0.77	14.30	0.5600	Modelled	Wet Weather Response	
12/20/18 21:35	Wet	0.84	5.30	0.6800	Modelled	Wet Weather Response	
12/31/18 14:50	Wet	0.89	5.50	0.6900	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.10</b>	<b>29.30</b>	<b>2.2900</b>			

CSO 222					Receiving Water: Doan Brook		
<b>Location:</b> E 105th St. & Doan Brook on S side of Doan Brook, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 9:05	Wet	0.26	1.10	0.1600	Modelled	Wet Weather Response	
11/15/18 13:05	Wet	0.57	1.20	0.0600	Modelled	Wet Weather Response	
11/26/18 4:45	Wet	0.95	13.70	1.5500	Modelled	Wet Weather Response	
12/20/18 22:15	Wet	1.09	4.40	3.4000	Modelled	Wet Weather Response	
12/31/18 15:10	Wet	1.01	3.80	7.1900	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.88</b>	<b>24.20</b>	<b>12.3600</b>			

CSO 223					Receiving Water: Doan Brook		
<b>Location:</b> N of E 107th St. & Parklane Rd. behind art museum, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park and Harrison-Dillard Trail							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 224					Receiving Water: Doan Brook		
<b>Location:</b> N of E 107th St. & Parklane Rd. behind art museum, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park and Harrison-Dillard Trail							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:20	Wet	0.88	1.10	0.1000	Modelled	Wet Weather Response	
<b>Totals</b>		<b>0.88</b>	<b>1.10</b>	<b>0.1000</b>			

CSO 225					Receiving Water: Doan Brook		
<b>Location:</b> N of Kemper Rd. & Fairhill Rd. at Doan Brook, Shaker Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Shaker Lakes Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 226					Receiving Water: Doan Brook		
<b>Location:</b> Along creek N of Larchmere & Coventry Rd., downstream of bridge over Creek, Shaker Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Shaker Lakes Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 230					Receiving Water: Dugway Brook		
<b>Location:</b> West Branch of Dugway Brook, approximately 600 feet upstream of Lakeshore Blvd., Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 6:35	Wet	0.32	5.20	0.4500	Modelled	Wet Weather Response	
11/15/18 11:11	Wet	0.48	10.80	1.2100	Modelled	Wet Weather Response	
11/18/18 14:14	Wet	0.19	3.20	0.1000	Modelled	Wet Weather Response	
11/24/18 6:58	Wet	0.14	2.30	0.0300	Modelled	Wet Weather Response	
11/26/18 4:10	Wet	1.05	25.20	2.0300	Modelled	Wet Weather Response	
12/1/18 15:20	Wet	0.16	2.50	0.1300	Modelled	Wet Weather Response	
12/3/18 12:40	Wet	0.33	5.90	0.0900	Modelled	Wet Weather Response	
12/6/18 17:35	Wet	0.15	1.20	0.0200	Modelled	Wet Weather Response	
12/20/18 19:30	Wet	0.89	12.70	2.1300	Modelled	Wet Weather Response	
12/22/18 3:56	Wet	0.89	3.70	0.0500	Modelled	Wet Weather Response	
12/31/18 13:20	Wet	0.88	8.10	4.2900	Modelled	Wet Weather Response	
<b>Totals</b>		<b>5.48</b>	<b>80.80</b>	<b>10.5300</b>			

CSO 231					Receiving Water: Dugway Brook		
<b>Location:</b> East Branch of Dugway Brook, approximately 600 feet upstream of Lakeshore Blvd., Cleveland							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/15/18 12:29	Wet	0.61	0.65	0.0100	Modelled	Wet Weather Response	
11/26/18 4:20	Wet	0.78	20.69	0.0800	Modelled	Wet Weather Response	
12/20/18 22:06	Wet	0.78	4.12	0.1300	Modelled	Wet Weather Response	
12/31/18 14:43	Wet	0.97	3.80	1.4800	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.14</b>	<b>29.26</b>	<b>1.7000</b>			

CSO 232					Receiving Water: Shaw Brook		
<b>Location:</b> S side of I-90, E of Eddy Rd. at Shaw Brook, Bratenahl							
<b>Treatment:</b> Floatables Control							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 8:04	Wet	0.32	15.20	0.2700	Modelled	Wet Weather Response	
11/15/18 11:32	Wet	0.48	9.40	0.6400	Modelled	Wet Weather Response	
11/26/18 4:15	Wet	1.05	20.10	1.2200	Modelled	Wet Weather Response	
12/1/18 15:21	Wet	0.16	2.50	0.0400	Modelled	Wet Weather Response	
12/20/18 19:51	Wet	0.89	10.80	1.5400	Modelled	Wet Weather Response	
12/31/18 13:05	Wet	0.88	8.40	3.1400	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.78</b>	<b>66.40</b>	<b>6.8500</b>			

CSO 233					Receiving Water: Big Creek		
<b>Location:</b> W 150th St., S of Industrial Pkwy., under bridge over Big Creek, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 8:10	Wet	0.19	2.30	0.0400	Modelled	Wet Weather Response	
11/15/18 10:50	Wet	0.66	9.50	0.3500	Modelled	Wet Weather Response	
11/18/18 14:10	Wet	0.22	2.40	0.0500	Modelled	Wet Weather Response	
11/26/18 4:10	Wet	0.80	19.60	0.3700	Modelled	Wet Weather Response	
12/1/18 14:30	Wet	0.38	3.20	0.2400	Modelled	Wet Weather Response	
12/15/18 21:30	Wet	0.31	3.10	0.0900	Modelled	Wet Weather Response	
12/20/18 19:41	Wet	0.79	9.80	0.5000	Modelled	Wet Weather Response	
12/31/18 12:52	Wet	1.02	7.60	0.9400	Modelled	Wet Weather Response	
<b>Totals</b>		<b>4.37</b>	<b>57.50</b>	<b>2.5800</b>			

CSO 234					Receiving Water: Doan Brook		
<b>Location:</b> Doan Brook between Martin Luther King Blvd. & E 105th St. (E side of culvert), Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Rockefeller Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
11/9/18 9:05	Wet	0.32	0.70	0.0100	Modelled	Wet Weather Response	
11/26/18 4:50	Wet	1.05	13.50	0.2000	Modelled	Wet Weather Response	
12/20/18 22:25	Wet	0.89	4.10	0.3800	Modelled	Wet Weather Response	
12/31/18 15:10	Wet	0.88	3.70	1.1900	Modelled	Wet Weather Response	
<b>Totals</b>		<b>3.14</b>	<b>22.00</b>	<b>1.7800</b>			

CSO 238					Receiving Water: Rocky River		
<b>Location:</b> N side of apartment parking lot at Rocky River Rd. & Fairway Ave., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Rocky River Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 239					Receiving Water: Euclid Creek		
<b>Location:</b> E shore of Euclid Creek at Lakeshore Blvd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Euclid Creek Reservation (includes Wildwood Park, Wildwood Marina, Villa Angela Beach and Euclid Beach)							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 240					Receiving Water: Cuyahoga River		
<b>Location:</b> Jefferson Ave., E of W 3rd St., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 241					Receiving Water: Big Creek		
<b>Location:</b> I-71 under Eaton Corp. sign, Brooklyn							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 242					Receiving Water: Lake Erie		
<b>Location:</b> E 142nd St. & Lakeshore Blvd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Northeast Yacht Club							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 243					Receiving Water: Mill Creek		
<b>Location:</b> In ravine, W of Warner Rd., S of Garfield Rd., Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			



CSO 245					Receiving Water: Wolf Creek		
<b>Location:</b> Edgepark Dr. at E 117 St. (North), Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Garfield Park Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 246					Receiving Water: Mill Creek		
<b>Location:</b> Broadway Ave. at Mill Creek, E wall of bridge, Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Garfield Park Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 247					Receiving Water: Mill Creek		
<b>Location:</b> East Blvd. at Cranwood Creek, N of Thornhurst Ave., Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 249					Receiving Water: Wolf Creek		
<b>Location:</b> 450 feet E of E 119th St. & 250 feet N of McCracken Rd., Garfield Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Garfield Park Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 250					Receiving Water: Cuyahoga River		
<b>Location:</b> Along Cuyahoga River, 370 feet S of Canal Rd., E side of I-77 bridge, Cuyahoga Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Towpath Trail							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 252					Receiving Water: Ohio Canal		
<b>Location:</b> Between E 71st St. & I-77, S of building at 4620 E 71st St., Cuyahoga Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 254					Receiving Water: Rocky River		
<b>Location:</b> Sunset & Metropolitan, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> Cleveland Metroparks: Rocky River Reservation							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
Modelling Data Not Available							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 255					Receiving Water: Big Creek		
<b>Location:</b> Cooley Ave. relief under bridge, E of Bellaire & Kensington, Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
12/31/18 15:40	Wet	1.02	1.60	0.1700	Modelled	Wet Weather Response	
<b>Totals</b>		<b>1.02</b>	<b>1.60</b>	<b>0.1700</b>			

CSO 256					Receiving Water: Green Creek		
<b>Location:</b> 2053 Green Rd., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 257					Receiving Water: Spring Creek		
<b>Location:</b> Jennings Rd. near Georgette Ln., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO 258					Receiving Water: Mill Creek		
<b>Location:</b> Mill Creek Tunnel Silo, Cuyahoga Heights							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> N/A							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			

CSO SAPS					Receiving Water: Cuyahoga River		
<b>Location:</b> 425' SW of Intersection of Superior Ave. & Robert Lockwood Jr. Dr., Cleveland							
<b>Treatment:</b> None							
<b>Potentially Impacted Public Access Area:</b> City of Cleveland: Settler's Landing Park							
CSO Event Date	Dry or Wet Weather	Estimated Rainfall Total (in)	Event Duration (hr)	Overflow Volume (MG)	Site Modelled or Monitored	Cause	Comments
No Discharge							
<b>Totals</b>		<b>0.00</b>	<b>0.00</b>	<b>0.0000</b>			