Combined Sewer Overflow (CSO) Long-Term Control Plan Consent Decree

Case 1:10-CV-02895-DCN

Semi-Annual Progress Report No. 10

January 27, 2017

Northeast Ohio Regional Sewer District

January 27, 2017

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Re: Consent Decree Case 1:10-CV-02895-DCN
Semi-Annual Progress Report No. 10

To Whom It May Concern:

The NEORSD is pleased to submit the enclosed Semi-Annual Progress Report (Progress Report) pursuant to Section IX of the above referenced Consent Decree. This Progress Report covers the period from July 1, 2016 through December 31, 2016.

Sincerely,

Julius Ciaccia
Chief Executive Officer

Cc: E. Luckage
D. Marshall/Project Clean Lake File

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ATTACHMENT 2: Green Ambassador Slavic Village Demonstration Project – Phase 2 Site-Specific monitoring overview (data provided electronically)

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APPENDIX: Current CSO and Bypass Reports Submitted to OEPA (IX. Paragraph 46.d.).

1. Current Reporting Period Consent Decree Requirements (IX. Paragraph 46.a.)

"A statement setting forth the deadlines and other terms that NEORSD is required by this Consent Decree to meet since the date of the last Semi-Annual Progress report, whether and to what extent NEORSD has met these requirements, and the reasons for any noncompliance".

Table 1: Current Reporting Period CD Requirements

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Compliance Status
Consent Decree Paragraph 26/ Appendix 5	Federal Supplemental Environmental Project – Collection and Disposal of Household Hazardous Waste at Special Waste Convenience Center or Alternative Location	Conduct and fund at least one collection day per month for four years or until NEORSD spends at least $1,000,000 in creditable operating expenses, whichever is longer	Monthly starting no later than April 30, 2011	In compliance: On March 24, 2011, the NEORSD and Cuyahoga County Solid Waste District (CCSWD) entered into an intergovernmental agreement for the collection and disposal of Household Hazardous Waste. First collection was held on April 28, 2011. 12 collections occurred during the reporting period (2 per month) at a NEORSD expenditure of $79,660.70. To date, 134 collections have occurred at a NEORSD expenditure of $779,840.90.

Table 1: Current Reporting Period CD Requirements

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Compliance Status
Consent Decree Paragraph 36/ Appendix 6	State Supplemental Environmental Project – Canal Pump Station Operation and Maintenance	Commence operation and maintenance of pump station following completion of Canal Pump Station construction Or Payment of $800,000 to USEPA within sixty (60) days after NEORSD receives notice from OEPA that the Canal Diversion Dam Removal will not be implemented, or by January 31, 2012 whichever occurs later	TBD	In compliance: Operation and maintenance activities cannot begin until design and construction of the pump station are completed by others which are dependent upon the outcome of an assessment of the environmental impacts for the Canal Diversion Dam Removal in the Cuyahoga Valley National Park. The Environmental Assessment, necessary to comply with the National Environmental Policy Act (NEPA), is complete. A public comment period on the draft Environmental Assessment was held in September 2016. The National Park Service will be responding to comments received and issuing the final Environmental Assessment in the Spring of 2017. A project stakeholder meeting, in which NEORSD will participate as a stakeholder, will be held in the summer of 2017 followed by commencement of design-build of the project.

Table 1: Current Reporting Period CD Requirements

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Compliance Status
Consent Decree Appendix 2 Section 2.6.2	Progress Reports to the Public	Public outreach activities will continue with periodic updates using various media	N/A	In compliance: 3 blog posts regarding Project Clean Lake-related projects, funding or initiatives between July and December 2016 http://neorsd.org/blog. Hosted "Sewer University (SewerU)" presentation November 19 offering attendees an overview of the history of NE Ohio sewers, water quality, and future challenges and opportunities. CSO control and Project Clean Lake was important content. Project Clean Lake was critical content at our largest-ever Open House event September 17 which welcomed more than 2,000 guests to our facilities. 1 public meeting discussing Project Clean Lake construction updates. Our website neorsd.org is being redesigned. Project Clean Lake content was being reviewed and revised in 2016 to be more prominent on the new site to launch in 2017.
Appendix 1 Control Measure 1	Easterly WWTP - Increase secondary capacity from 300 MGD to a sustained capacity of 400 MGD	Bid Year: 2014 Achievement of Full Operation: 2016	December 31, 2014 December 31, 2016	Substantially in compliance: 400 MGD hydraulic capacity construction complete and operational. Anticipate Achievement of Full Operation (AFO) Critical Milestone in 3Q 2017. Update letter sent to EPA on December 16, 2016.

Table 1: Current Reporting Period CD Requirements

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Compliance Status
Appendix 1 Control Measure 9	Superior Avenue Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2018	December 31, 2016 December 31, 2018	In compliance: Construction Notice to Proceed issued August 18, 2016.
Appendix 1 Control Measure 10	Stones Levee Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2017	December 31, 2016 December 31, 2017	In compliance: Construction Notice to Proceed issued August 18, 2016.
Appendix 1 Control Measure 11	Canal Road In-Line Storage	Bid Year 2017 Achievement of Full Operation 2018	December 31, 2017 December 31, 2018	In compliance: Construction Notice to Proceed issued August 18, 2016.
Appendix 1 Control Measure 24	CSO 063 Relief/Consolidation Sewer	Submit Control Measure Report within 24 months of Achievement of Full Operation	November 11, 2016	In compliance: Control Measure Report submitted November 10, 2016.

2. Current Work and Next Reporting Period Projected Work (IX. Paragraph 46.b.)

"A general description of the work completed within the Six-month Period, and a projection of work to be performed pursuant to this Consent Decree during the next or succeeding Six-month Period. Notifications to the U.S. EPA and Ohio EPA of any anticipated delay shall not, by itself, excuse the delay".

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 3	GI Post-Construction Monitoring (PCM) Program	Submit sewershed-specific and Phase 1 site-specific GI PCMP proposals within two years following entry of the Consent Decree, and Submit Phase 2 site-specific GI PCMP proposal by December 31, 2014	July 7, 2013 December 31, 2014	EPA approval of GIPCMP received on September 9, 2016.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 3	Implementation of GI Plan	Implementation of GI Plan within eight (8) years of Entry of Decree	July 7, 2019	Completed 12-month site-specific post-construction monitoring on the Green Ambassador Slavic Village Demonstration project October 2016. Data provided by US EPA is in Attachment 2. The estimated post-gray CSO reduction for this project is 0.1 MG. Substantial completion of construction of the Fleet Avenue GI Project occurred. The estimated post-gray CSO reduction for this project is 0.5 MG. Substantial completion of construction of the Green Ambassador Fairhill/MLK project occurred on October 31, 2016. The estimated post-gray CSO reduction for this project is 2.4 MG. Substantial completion of construction of the Green Ambassador Urban Agriculture project occurred December 2, 2016. The estimated post-gray CSO reduction for this project is 1.6 MG. Issued NTP for the construction of the E. 140th Street Consolidation Sewer on August 8, 2016. The estimated post-gray CSO reduction for this project is 5.8 MG. Continued design of the Union/Buckeye GI Project. Continued the design of the Woodland Central GI project.
Appendix 1 Control Measure 1	Easterly WWTP - Increase Secondary Treatment Capacity	Bid Year 2014 Achievement of Full Operation 2016	December 31, 2014 December 31, 2016	Continued construction. 400 MGD hydraulic capacity achieved on December 19, 2016.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 2	Treatment and Disinfection of CSO 001 Using CEHRT	Pilot Testing Report within 42 months of Work Plan Approval	March 20, 2015	Continued design of final facilities. Received Pilot Testing Report Disapproval and comments December 22, 2015. Revised Pilot Testing Report submitted February 17, 2016. Ongoing engagement with EPA to address issues identified in EPA's disapproval of the Pilot Testing Report. Discussions, including in-person meetings on September 26 and November 29, 2016, focus on compliance with *E. coli* performance criteria and applicability of data gathered during the Westerly Pilot Project to the design of the Easterly CEHRT.
Appendix 1 Control Measure 3	Treatment and Disinfection of CSO 002 using CEHRT in all 6 Quadrants (quads)	Pilot Testing Report within 54 months of Work Plan Approval	March 1, 2017	Issued Request for Proposal (RFP) for design of final facilities. Pilot Testing Report submitted March 17, 2016. Disapproval received September 9, 2016. Ongoing engagement with EPA, including in-person meetings on September 26 and November 29, 2016, to address issues identified in EPA's disapproval of the Pilot Testing Report. Discussions focus on simultaneous treatment/disinfection and surface overflow rates. Requests for resubmittal deadline extensions approved. Resubmittal scheduled for March 1, 2017.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 4	Southerly WWTP - Treatment of Primary Effluent Bypass Demonstration/Pilot Project	Pilot Testing Report within 42 months of Work Plan Approval	March 20, 2015	Received Conditional Approval of Pilot Testing Report December 22, 2015. Revised Pilot Testing Report submitted February 17, 2016. Ongoing engagement with EPA, including in-person meetings on September 26 and November 29, 2016, to address compliance with *E. coli* performance criteria identified in EPA's conditional approval of the Pilot Testing Report.
Appendix 1 Control Measure 5	Increase Secondary Treatment Capacity and Treat Primary Effluent Bypass with CEHRT	Commencement of design of plant improvements and PEB CEHRT system within 6 months of approval of pilot report.	Within 6 months from date of approval of pilot report.	Continued design.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 6	Euclid Creek Tunnel/Dugway Storage System	Bid Year 2010 Achievement of Full Operation 2020	December 31, 2010 December 31, 2020	Easterly Tunnel Dewatering Pump Station (ETDPS): Continued construction. Dugway West Interceptor Relief Sewer: Substantial completion December 23, 2016. Dugway Storage Tunnel (DST): Continued construction. East 140th Street Consolidation and Relief Sewer: Construction Notice to Proceed issued August 8, 2016. Dugway South Relief and Consolidation Sewer: Continued construction. London Road Relief Sewer: Design Notice to Proceed issued December 12, 2016. Dugway Regulators and Relief Sewer: Design Notice to Proceed issued September 19, 2016.
Appendix 1 Control Measure 8	Doan Valley Tunnel System	Bid Year 2017 Achievement of Full Operation 2021	December 31, 2017 December 31, 2021	Doan Valley Tunnel: Final design documents received December 2, 2016. Doan Valley Relief and Consolidation Sewer: Design Notice to Proceed issued August 8, 2016. Doan Valley Regulators and Relief Sewer: Issued design request for proposals on October 25, 2016.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 9	Superior Avenue Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2018	December 31, 2016 December 31, 2018	Construction Notice to Proceed issued August 18, 2016. Reached technical alignment with EPA on the outstanding Appendix 1 modification request submitted April 20, 2015.
Appendix 1 Control Measure 10	Stones Levee Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2017	December 31, 2016 December 31, 2017	Construction Notice to Proceed issued August 18, 2016. Reached technical alignment with EPA on the outstanding Appendix 1 modification request submitted April 20, 2015.
Appendix 1 Control Measure 11	Canal Road In-Line Storage	Bid Year 2017 Achievement of Full Operation 2018	December 31, 2017 December 31, 2018	Construction Notice to Proceed issued August 18, 2016. Reached technical alignment with EPA on the outstanding Appendix 1 modification request submitted April 20, 2015.
Appendix 1 Control Measure 14	Westerly Tunnel System	Bid Year 2020 Achievement of Full Operation 2024	December 31, 2020 December 31, 2024	Westerly Tunnel & Pump Station: 30% design documents received November 7, 2016 (WST) and November 18, 2016 (WTDPS). Westerly Low Level Relief Sewer: Construction bids received on December 6, 2016.

Table 2a: Description of this Reporting Period's Current Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Current Period Work Summary
Appendix 1 Control Measure 15	Columbus Road Storage Tank	Bid Year 2018 Achievement of Full Operation 2019	December 31, 2018 December 31, 2019	Westerly Low Level Relief Sewer: Construction bids received on December 6, 2016.
Appendix 1 Control Measure 16	Center Street Storage Tank	Bid Year 2023 Achievement of Full Operation 2024	December 31, 2023 December 31, 2024	Westerly Low Level Relief Sewer: Construction bids received December 6, 2016.
Appendix 1 Control Measure 18	Mary Street Pump Station Upgrade	Bid Year 2015 Achievement of Full Operation 2017	December 31, 2015 December 31, 2017	Continued construction. Reached technical alignment with EPA on the outstanding Appendix 1 modification request submitted April 20, 2015.
Appendix 1 Control Measure 19	Jefferson Avenue Separation	Bid Year 2027 Achievement of Full Operation 2028	December 31, 2027 December 31, 2028	Reached technical alignment with EPA on the outstanding Appendix 1 modification request submitted April 20, 2015.
Appendix 1 Control Measure 21	Southerly Tunnel System	Bid year 2024 Achievement of Full Operation 2030	December 31, 2024 December 31, 2030	Morgana Run Relief Sewer: Received preliminary Basis of Design August 24, 2016.
Appendix 1 Control Measure 24	CSO 063 Relief/Consolidation Sewer	Bid Year 2013 Achievement of Full Operation 2014	December 31, 2013 December 31, 2014	Control Measure Report submitted November 10, 2016.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 3	Implementation of GI Plan	Implementation of GI Plan within eight (8) years of Entry of Decree	July 7, 2019	Initiate operation of the Fleet Avenue GI Project. Commence site-specific flow monitoring. Complete construction and initiate operation of the Urban Agriculture GI Project. Commence site-specific flow monitoring. Complete construction and initiate operation of the Fairhill-MLK GI Project. Commence site-specific flow monitoring. Continue construction of the E. 140th GI Project. Commence construction of the Union/Buckeye GI project. Commence construction of the Woodland Central GI project.
Appendix 1 Control Measure 1	Increase Secondary Treatment Capacity	Bid Year 2014 Achievement of Full Operation 2016	December 31, 2014 December 31, 2016	Complete construction and perform startup, shakedown, and training, subject to sufficient wet weather events.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 2	Treatment and Disinfection of CSO 001 Using CEHRT	Pilot Testing Report within 42 months of Work Plan Approval	March 20, 2015	Continue design of final facilities. Receive EPA response on revised Pilot Testing report submitted February 17, 2016. Submit Appendix 1 modification request to remove interim milestone dates to allow for schedule optimization between design and construction.
Appendix 1 Control Measure 3	Treatment and Disinfection of CSO 002 using CEHRT in all 6 Quadrants (quads)	Pilot Testing Report within 54 months of Work Plan Approval	March 20, 2016	Submit Revised Pilot Testing Report. Issue design notice to proceed (NTP) for final facilities. Submit Appendix 1 modification request to remove interim milestone dates to allow for schedule optimization between design and construction.
Appendix 1 Control Measure 4	Treatment of Primary Effluent Bypass Demonstration/Pilot Project	Pilot Testing Report within 42 months of Work Plan Approval	March 20, 2015	Receive EPA response on revised Pilot Testing report submitted February 17, 2016.
Appendix 1 Control Measure 5	Increase Secondary Treatment Capacity and Treat Primary Effluent Bypass with CEHRT	Commencement of design of plant improvements and PEB CEHRT system within 6 months of approval of pilot report.	Within 6 months from date of approval of pilot report.	Continue design. Submit Appendix 1 modification request to remove interim milestone dates to allow for schedule optimization between design and construction.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 6	Euclid Creek Tunnel/Dugway Storage System	Bid Year 2010 Achievement of Full Operation 2020	December 31, 2010 December 31, 2020	Euclid Creek Tunnel (ECT): Commence operation upon completion and operation of Easterly Tunnel Dewatering Pump Station (TDPS). Easterly TDPS: Complete construction and commence startup, shakedown, and training. Dugway West Interceptor Relief Sewer: Complete construction and commence operation. CSO benefits upon completion of DST. Euclid Creek Pump Station/Lakeshore Boulevard Relief Sewer (ECPS/LBRS): Construction complete. CSO benefits upon completion of ECT and Easterly TDPS. Dugway Storage Tunnel (DST): Continue construction. East 140th Consolidation and Relief Sewer: Continue construction. Dugway South Relief and Consolidation Sewer: Continue construction. London Road Relief Sewer: Continue design. Dugway Regulators/Relief: Continue design.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 8	Doan Valley Tunnel System	Bid Year 2017 Achievement of Full Operation 2021	December 31, 2017 December 31, 2021	Doan Valley Tunnel: Issue construction notice to proceed (NTP). Doan Valley Relief and Consolidation Sewer: Continue design. Doan Valley Miscellaneous Regulators/Relief Sewers: Issue design notice to proceed.
Appendix 1 Control Measure 9	Superior Avenue Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2018	December 31, 2016 December 31, 2018	Continue construction. Initiation of Appendix 1 modification process by EPA/DOJ.
Appendix 1 Control Measure 10	Stones Levee Pump Station Upgrade	Bid Year 2016 Achievement of Full Operation 2017	December 31, 2016 December 31, 2017	Continue construction. Initiation of Appendix 1 modification process by EPA/DOJ.
Appendix 1 Control Measure 11	Canal Road In-Line Storage	Bid Year 2017 Achievement of Full Operation 2018	December 31, 2017 December 31, 2018	Continue construction. Initiation of Appendix 1 modification process by EPA/DOJ.
Appendix 1 Control Measure 14	Westerly Tunnel System	Bid Year 2020 Achievement of Full Operation 2024	December 31, 2020 December 31, 2024	Westerly Tunnel & Pump Station: Continue design. Westerly Low Level Relief Sewer: Issue construction notice to proceed (NTP). Wade Avenue and West 3rd Street CSO Control Project: Issue design request for proposal.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 15	Columbus Road Storage Tank	Bid Year 2018 Achievement of Full Operation 2019	December 31, 2018 December 31, 2019	Westerly Low Level Relief Sewer: Issue construction notice to proceed (NTP).
Appendix 1 Control Measure 16	Center Street Storage Tank	Bid Year 2023 Achievement of Full Operation 2024	December 31, 2023 December 31, 2024	Westerly Low Level Relief Sewer: Issue construction notice to proceed (NTP).
Appendix 1 Control Measure 17	West Third Street Storage Tank	Bid Year 2024 Achievement of Full Operation 2025	December 31, 2024 December 31, 2025	Commence design.
Appendix 1 Control Measure 18	Mary Street Pump Station Upgrade	Bid Year 2015 Achievement of Full Operation 2017	December 31, 2015 December 31, 2017	Continue Construction. Initiation of Appendix 1 modification process by EPA/DOJ.
Appendix 1 Control Measure 19	Jefferson Avenue Separation	Bid Year 2027 Achievement of Full Operation 2028	December 31, 2027 December 31, 2028	Initiation of Appendix 1 modification process by EPA/DOJ.
Appendix 1 Control Measure 20	West 3rd St./Quigley Parallel Storage System	Bid Year 2021 Achievement of Full Operation 2021	December 31, 2021 December 31, 2021	Wade Avenue and West 3rd Street CSO Control Project: Issue design request for proposal.

Table 2b: Description of Next Reporting Period's Projected Work

Reference	Description	Milestone(s) in CD	Calendar Milestone(s)	Next Period Projected Work
Appendix 1 Control Measure 21	Southerly Tunnel System	Bid Year 2024 Achievement of Full Operation 2030	December 31, 2024 December 31, 2030	Morgana Run Relief Sewer: Continue design.

3. Current Reporting Period Consent Decree Submissions (IX. Paragraph 46.c.)

"A summary of the submissions under this Decree that were sent to U.S. EPA and/or Ohio EPA, including the dates submitted".

Table 3: Current Reporting Period Consent Decree Submissions

Reference	Deliverable Description	Milestone in CD	Calendar Milestone	Actual Submittal Date
Consent Decree IX Reporting Requirements Paragraph 46	Semi-Annual Report No. 9	On a semi-annual basis on January 31 and July 31, each 6-month period commencing with the first full 6 month period after entry of the Consent Decree	July 31, 2017	July 27, 2017
Appendix 1 Control Measure 24	CSO 063 Relief/Consolidation Sewer	Submit Control Measure Report within 24 months of Achievement of Full Operation	November 11, 2016	Control Measure Report submitted November 10, 2016.

4. Certification Statement (IX. Paragraph 48)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations.

Julius Ciaccia, Chief Executive Officer

1/27/17

Date

Attachment 1

Consent Decree In-Stream Environmental Monitoring

2016 Consent Decree In-Stream Environmental Monitoring

Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Big Creek	EM1	River Mile 0.15 (EM1)	10/27/2016 11:20	R-1610270005	E. coli		113000	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	10/27/2016 11:20	R-1610270006	E. coli		123600	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	10/27/2016 11:20	R-1610270005	Turbidity		50.4	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	10/27/2016 11:20	R-1610270006	Turbidity		51	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	10/20/2016 9:15	R-1610200007	E. coli		155300	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	10/20/2016 9:15	R-1610200007	Turbidity		183	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	9/29/2016 9:35	R-1609290004	E. coli		21620	MPN/100 mL	29-Sep-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	9/27/2016 8:35	R-1609270004	E. coli		37990	MPN/100 mL	27-Sep-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	9/19/2016 9:55	R-1609190008	E. coli		2905	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	9/19/2016 9:55	R-1609190008	Turbidity		2.5	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	9/7/2016 10:28	R-1609070012	E. coli		261300	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	9/7/2016 10:28	R-1609070012	Turbidity		32.5	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	8/25/2016 11:02	R-1608250006	E. coli		34460	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	8/25/2016 11:02	R-1608250006	Turbidity		20.7	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	8/10/2016 10:23	R-1608100009	E. coli		26280	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	8/10/2016 10:23	R-1608100009	Turbidity		46.7	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	8/1/2016 9:00	R-1608010003	E. coli		3692	MPN/100 mL	1-Aug-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	8/1/2016 9:00	R-1608010003	Turbidity		6.59	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	7/18/2016 9:25	R-1607180008	E. coli		310620	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	7/18/2016 9:25	R-1607180008	Turbidity		278	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	6/6/2016 10:40	R-1606060008	E. coli		24200	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	6/6/2016 10:40	R-1606060008	Turbidity		10.7	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	5/31/2016 10:02	R-1605310002	E. coli		4172	MPN/100 mL	31-May-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	5/13/2016	R-1605130003	E. coli		24220	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	5/13/2016	R-1605130003	Turbidity		39.6	NTU				EPA 180.1
Big Creek	EM1	River Mile 0.15 (EM1)	5/2/2016 10:10	R-1605020004	E. coli		34150	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Big Creek	EM1	River Mile 0.15 (EM1)	5/2/2016 10:10	R-1605020004	Turbidity		299	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	10/27/2016 9:15	R-1610270001	E. coli		202	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	10/27/2016 9:15	R-1610270002	E. coli		632	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	10/27/2016 9:15	R-1610270001	Turbidity		26.9	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	10/27/2016 9:15	R-1610270002	Turbidity		25.7	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	10/20/2016 11:06	R-1610200011	E. coli		468	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	10/20/2016 11:06	R-1610200011	Turbidity		21.9	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	9/29/2016 9:30	R-1609290005	E. coli		316	MPN/100 mL	29-Sep-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	9/29/2016 9:30	R-1609290005	Turbidity		25.6	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	9/19/2016 11:05	R-1609190011	E. coli		150	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	9/19/2016 11:05	R-1609190011	Turbidity		4.21	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	9/9/2016 9:05	R-1609090001	E. coli		1014	MPN/100 mL	9-Sep-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	9/9/2016 9:05	R-1609090001	Turbidity		39.4	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	8/10/2016 10:00	R-1608100012	E. coli		143	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	8/10/2016 10:00	R-1608100012	Turbidity		14.1	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	7/18/2016 7:30	R-1607180002	E. coli		1110	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	7/18/2016 7:30	R-1607180002	Turbidity		6.3	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	6/6/2016 10:10	R-1606060007	E. coli		11880	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	6/6/2016 10:10	R-1606060007	Turbidity		18.6	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	5/13/2016 9:15	R-1605130001	E. coli		1138	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	5/13/2016 9:15	R-1605130001	Turbidity		15.1	NTU				EPA 180.1
Cuyahoga River	EM2	River Mile 0.25 (EM2)	5/2/2016 9:55	R-1605020012	E. coli		8769	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Cuyahoga River	EM2	River Mile 0.25 (EM2)	5/2/2016 9:55	R-1605020012	Turbidity		31.2	NTU				EPA 180.1

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Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Doan Brook	EM3	River Mile 0.75 (EM3)	10/20/2016 11:07	R-1610200005	Turbidity		18.9	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	9/30/2016 10:42	R-1609300004	E. coli		4790	MPN/100 mL	30-Sep-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	9/30/2016 10:42	R-1609300004	Turbidity		13.2	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	9/27/2016 12:50	R-1609270010	E. coli		30760	MPN/100 mL	27-Sep-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	9/19/2016 9:50	R-1609190005	E. coli		965	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	9/19/2016 9:50	R-1609190005	Turbidity		3.08	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	9/7/2016 9:52	R-1609070009	E. coli		1192	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	9/7/2016 9:52	R-1609070009	Turbidity		1.39	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	8/25/2016 11:35	R-1608250011	E. coli		7382	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	8/25/2016 11:35	R-1608250011	Turbidity		19.2	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	8/10/2016 10:45	R-1608100004	E. coli		18680	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	8/10/2016 10:45	R-1608100004	Turbidity		19.9	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	7/18/2016 10:05	R-1607180007	E. coli		20160	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	7/18/2016 10:05	R-1607180007	Turbidity		4.9	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	6/6/2016 10:01	R-1606060005	E. coli		40060	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	6/6/2016 10:01	R-1606060005	Turbidity		4.09	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	5/13/2016 10:20	R-1605130012	E. coli		26130	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	5/13/2016 10:20	R-1605130012	Turbidity		8.35	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	5/2/2016 9:03	R-1605020006	E. coli		6180	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	5/2/2016 9:03	R-1605020006	Turbidity		62	NTU				EPA 180.1
Doan Brook	EM3	River Mile 0.75 (EM3)	10/27/2016 11:35	R-1610270016	E. coli		186000	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Doan Brook	EM3	River Mile 0.75 (EM3)	10/20/2016 11:07	R-1610200005	E. coli		154020	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	10/27/2016 11:15	R-1610270014	E. coli		43700	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	10/27/2016 11:15	R-1610270015	E. coli		60900	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	10/20/2016 10:56	R-1610200006	E. coli		47640	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	10/20/2016 10:56	R-1610200006	Turbidity		20.6	NTU				EPA 180.1
Dugway Brook	EM4	River Mile 0.37 (EM4)	9/30/2016 10:23	R-1609300003	E. coli		10789	MPN/100 mL	30-Sep-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	9/30/2016 10:23	R-1609300003	Turbidity		16.5	NTU				EPA 180.1
Dugway Brook	EM4	River Mile 0.37 (EM4)	9/27/2016 12:30	R-1609270009	E. coli		13540	MPN/100 mL	27-Sep-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	9/19/2016 9:40	R-1609190004	E. coli		6310	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	9/19/2016 9:40	R-1609190004	Turbidity		4.51	NTU				EPA 180.1
Dugway Brook	EM4	River Mile 0.37 (EM4)	9/7/2016 9:40	R-1609070008	E. coli		166600	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	9/7/2016 9:40	R-1609070008	Turbidity		96.4	NTU				EPA 180.1
Dugway Brook	EM4	River Mile 0.37 (EM4)	8/25/2016 11:25	R-1608250010	E. coli		19180	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	8/25/2016 11:25	R-1608250010	Turbidity		19.9	NTU				EPA 180.1
Dugway Brook	EM4	River Mile 0.37 (EM4)	8/10/2016 10:20	R-1608100005	E. coli		14460	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	8/10/2016 10:20	R-1608100005	Turbidity		19	NTU				EPA 180.1
Dugway Brook	EM4	River Mile 0.37 (EM4)	7/18/2016 9:50	R-1607180006	E. coli		30300	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	7/18/2016 9:50	R-1607180006	Turbidity		47.3	NTU				EPA 180.1
Dugway Brook	EM4	River Mile 0.37 (EM4)	6/6/2016 9:49	R-1606060004	E. coli		8960	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	6/6/2016 9:49	R-1606060004	Turbidity		4.69	NTU				EPA 180.1
Dugway Brook	EM4	River Mile 0.37 (EM4)	5/13/2016 10:00	R-1605130011	E. coli		36540	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	5/13/2016 10:00	R-1605130011	Turbidity		7.47	NTU				EPA 180.1
Dugway Brook	EM4	River Mile 0.37 (EM4)	5/2/2016 9:24	R-1605020007	E. coli		21620	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Dugway Brook	EM4	River Mile 0.37 (EM4)	5/2/2016 9:24	R-1605020007	Turbidity		68.5	NTU				EPA 180.1

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Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	EM5	River Mile 0.55 (EM5)	10/27/2016 10:00	R-1610270011	E. coli		99840	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	10/20/2016 9:57	R-1610200001	E. coli		6300	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	10/20/2016 9:57	R-1610200001	Turbidity		89	NTU				EPA 180.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	9/7/2016 7:51	R-1609070001	E. coli	>	241960	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	9/7/2016 7:51	R-1609070001	Field Cond		743	umhos/cm				SM 2510A
Euclid Creek	EM5	River Mile 0.55 (EM5)	9/7/2016 7:51	R-1609070001	Field Temp		23.2	C				EPA 170.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	9/7/2016 7:51	R-1609070001	Turbidity		53.7	NTU				EPA 180.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	9/7/2016 7:51	R-1609070001	enterococci	EC	36900	cfu/100mL	7-Sep-16	1		
Euclid Creek	EM5	River Mile 0.55 (EM5)	9/7/2016 7:51	R-1609070001	pH		6.99	S.U.				
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/25/2016 7:56	R-1608250001	E. coli		11620	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/25/2016 7:56	R-1608250001	Field Cond		457	umhos/cm				SM 2510A
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/25/2016 7:56	R-1608250001	Field Temp		24	C				EPA 170.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/25/2016 7:56	R-1608250001	Turbidity		20.1	NTU				EPA 180.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/25/2016 7:56	R-1608250001	enterococci		21500	cfu/100mL	25-Aug-16	1		
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/25/2016 7:56	R-1608250001	pH		7.14	S.U.				
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/10/2016 7:42	R-1608100001	E. coli		16328	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/10/2016 7:42	R-1608100001	Field Cond		688	umhos/cm				SM 2510A
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/10/2016 7:42	R-1608100001	Field Temp		23.1	C				EPA 170.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/10/2016 7:42	R-1608100001	Turbidity		34.2	NTU				EPA 180.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/10/2016 7:42	R-1608100001	enterococci	EC	12600	cfu/100mL	10-Aug-16	1		
Euclid Creek	EM5	River Mile 0.55 (EM5)	8/10/2016 7:42	R-1608100001	pH		7.45	S.U.				
Euclid Creek	EM5	River Mile 0.55 (EM5)	7/18/2016 7:00	R-1607180001	E. coli		5180	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	7/18/2016 7:00	R-1607180001	Field Cond		924	umhos/cm				SM 2510A
Euclid Creek	EM5	River Mile 0.55 (EM5)	7/18/2016 7:00	R-1607180001	Field Temp		23	C				EPA 170.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	7/18/2016 7:00	R-1607180001	Turbidity		4.41	NTU				EPA 180.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	7/18/2016 7:00	R-1607180001	enterococci	EC	1140	cfu/100mL	18-Jul-16	1		
Euclid Creek	EM5	River Mile 0.55 (EM5)	7/18/2016 7:00	R-1607180001	pH		7.22	S.U.				
Euclid Creek	EM5	River Mile 0.55 (EM5)	6/6/2016 7:58	R-1606060001	E. coli		3770	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	6/6/2016 7:58	R-1606060001	Field Cond		890	umhos/cm				SM 2510A
Euclid Creek	EM5	River Mile 0.55 (EM5)	6/6/2016 7:58	R-1606060001	Field Temp		17.9	C				EPA 170.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	6/6/2016 7:58	R-1606060001	Turbidity		4.85	NTU				EPA 180.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	6/6/2016 7:58	R-1606060001	enterococci		4700	cfu/100mL	6-Jun-16	1		
Euclid Creek	EM5	River Mile 0.55 (EM5)	6/6/2016 7:58	R-1606060001	pH		7.74	S.U.				
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/13/2016 9:30	R-1605130009	E. coli		5830	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/13/2016 9:30	R-1605130009	Turbidity		16.4	NTU				EPA 180.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/9/2016 10:18	R-1605090001	E. coli		236	MPN/100 mL	9-May-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/9/2016 10:18	R-1605090001	Field Cond		1258	umhos/cm				SM 2510A
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/9/2016 10:18	R-1605090001	Field Temp		13.5	C				EPA 170.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/9/2016 10:18	R-1605090001	Turbidity		1.49	NTU				EPA 180.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/9/2016 10:18	R-1605090001	enterococci	EC	40	cfu/100mL	9-May-16	1		
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/9/2016 10:18	R-1605090001	pH		8.43	S.U.				
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/2/2016 10:39	R-1605020001	E. coli		12040	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/2/2016 10:39	R-1605020001	Field Cond		486	umhos/cm				SM 2510A
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/2/2016 10:39	R-1605020001	Field Temp		10.8	C				EPA 170.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/2/2016 10:39	R-1605020001	Turbidity		196	NTU				EPA 180.1
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/2/2016 10:39	R-1605020001	enterococci		21500	cfu/100mL	1-May-16	1		
Euclid Creek	EM5	River Mile 0.55 (EM5)	5/2/2016 10:39	R-1605020001	pH		8.1	S.U.				

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Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
USGS	EM6	Edgewater East Site	10/27/2016 9:30	EDGE1610270001	E. coli		228	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	10/27/2016 9:30	EDGE1610270001	Turbidity		15.2	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	10/20/2016 10:50	EDGE1610200001	E. coli		892	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	10/20/2016 10:50	EDGE1610200001	Turbidity		5.16	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	9/8/2016 8:47	EDGE1609080001	E. coli		13	MPN/100 mL	8-Sep-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	9/8/2016 8:47	EDGE1609080002	E. coli		17	MPN/100 mL	8-Sep-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	9/8/2016 8:47	EDGE1609080001	Field Cond		296	umhos/cm				SM 2510A
USGS	EM6	Edgewater East Site	9/8/2016 8:47	EDGE1609080001	Field Temp		25.5	C				EPA 170.1
USGS	EM6	Edgewater East Site	9/8/2016 8:47	EDGE1609080001	Turbidity		3.41	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	9/8/2016 8:47	EDGE1609080002	Turbidity		2.32	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	9/8/2016 8:47	EDGE1609080001	enterococci		8	cfu/100mL	8-Sep-16	1		
USGS	EM6	Edgewater East Site	9/8/2016 8:47	EDGE1609080002	enterococci		5	cfu/100mL	8-Sep-16	1		
USGS	EM6	Edgewater East Site	9/8/2016 8:47	EDGE1609080001	pH		7.25	S.U.				
USGS	EM6	Edgewater East Site	8/10/2016 6:47	EDGE1608100001	E. coli		22	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	8/10/2016 6:47	EDGE1608100001	Field Cond		356	umhos/cm				SM 2510A
USGS	EM6	Edgewater East Site	8/10/2016 6:47	EDGE1608100001	Field Temp			C				EPA 170.1
USGS	EM6	Edgewater East Site	8/10/2016 6:47	EDGE1608100001	Turbidity		3.57	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	8/10/2016 6:47	EDGE1608100001	enterococci		28	cfu/100mL	10-Aug-16	1		
USGS	EM6	Edgewater East Site	8/10/2016 6:47	EDGE1608100001	pH		7.33	S.U.				
USGS	EM6	Edgewater East Site	7/18/2016 6:53	EDGE1607180001	E. coli		528	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	7/18/2016 6:53	EDGE1607180002	E. coli		717	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	7/18/2016 6:53	EDGE1607180001	Field Cond		383	umhos/cm				SM 2510A
USGS	EM6	Edgewater East Site	7/18/2016 6:53	EDGE1607180001	Field Temp		23.9	C				EPA 170.1
USGS	EM6	Edgewater East Site	7/18/2016 6:53	EDGE1607180001	Turbidity		6.44	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	7/18/2016 6:53	EDGE1607180002	Turbidity		6.06	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	7/18/2016 6:53	EDGE1607180001	enterococci		260	cfu/100mL	18-Jul-16	1		
USGS	EM6	Edgewater East Site	7/18/2016 6:53	EDGE1607180002	enterococci		410	cfu/100mL	18-Jul-16	1		
USGS	EM6	Edgewater East Site	7/18/2016 6:53	EDGE1607180001	pH		7.76	S.U.				
USGS	EM6	Edgewater East Site	5/13/2016 8:58	EDGE1605130001	E. coli		6	MPN/100 mL	13-May-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	5/13/2016 8:58	EDGE1605130001	Turbidity		7.32	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	5/9/2016 9:03	EDGE1605090001	E. coli		39	MPN/100 mL	9-May-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	5/9/2016 9:03	EDGE1605090001	Field Cond		372	umhos/cm				SM 2510A
USGS	EM6	Edgewater East Site	5/9/2016 9:03	EDGE1605090001	Field Temp		12.9	C				EPA 170.1
USGS	EM6	Edgewater East Site	5/9/2016 9:03	EDGE1605090001	Turbidity		7.83	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	5/9/2016 9:03	EDGE1605090001	enterococci		2	cfu/100mL	9-May-16	1		
USGS	EM6	Edgewater East Site	5/9/2016 9:03	EDGE1605090001	pH		8.6	S.U.				
USGS	EM6	Edgewater East Site	5/2/2016 9:20	EDGE1605020001	E. coli		83	MPN/100 mL	2-May-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	5/2/2016 9:20	EDGE1605020002	E. coli		122	MPN/100 mL	2-May-16	1		SM 9223 Colilert
USGS	EM6	Edgewater East Site	5/2/2016 9:20	EDGE1605020001	Field Cond		431	umhos/cm				SM 2510A
USGS	EM6	Edgewater East Site	5/2/2016 9:20	EDGE1605020001	Field Temp		10.7	C				EPA 170.1
USGS	EM6	Edgewater East Site	5/2/2016 9:20	EDGE1605020001	Turbidity		22.2	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	5/2/2016 9:20	EDGE1605020002	Turbidity		23.6	NTU				EPA 180.1
USGS	EM6	Edgewater East Site	5/2/2016 9:20	EDGE1605020001	enterococci		220	cfu/100mL	1-May-16	1		
USGS	EM6	Edgewater East Site	5/2/2016 9:20	EDGE1605020002	enterococci		255	cfu/100mL	1-May-16	1		
USGS	EM6	Edgewater East Site	5/2/2016 9:20	EDGE1605020001	pH		8.29	S.U.				
USGS	EM6	Edgewater East Site		EDGE1605040004	E. coli	AH		MPN/100 mL		1		SM 9223 Colilert
USGS	EM6	Edgewater East Site		EDGE1605040004	Turbidity			NTU				EPA 180.1
USGS	EM6	Edgewater East Site		EDGE1605040004	enterococci	AH		cfu/100mL		1		

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Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
USGS	EM7	Euclid Beach - East	10/27/2016 10:25	EUBE1610270001	E. coli		96	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	10/20/2016 10:18	EUBE1610200001	E. coli		79	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	10/20/2016 10:18	EUBE1610200001	Turbidity		4.11	NTU				EPA 180.1
USGS	EM7	Euclid Beach - East	9/7/2016 7:28	EUBE1609070001	E. coli		403	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	9/7/2016 7:28	EUBE1609070001	Field Cond		278	umhos/cm				SM 2510A
USGS	EM7	Euclid Beach - East	9/7/2016 7:28	EUBE1609070001	Field Temp		24.6	C				EPA 170.1
USGS	EM7	Euclid Beach - East	9/7/2016 7:28	EUBE1609070001	Turbidity		2.64	NTU				EPA 180.1
USGS	EM7	Euclid Beach - East	9/7/2016 7:28	EUBE1609070001	enterococci		40	cfu/100mL	7-Sep-16	1		
USGS	EM7	Euclid Beach - East	9/7/2016 7:28	EUBE1609070001	pH		7.26	S.U.				
USGS	EM7	Euclid Beach - East	8/25/2016 7:18	EUBE1608250001	E. coli		2306	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	8/25/2016 7:18	EUBE1608250001	Field Cond		291	umhos/cm				SM 2510A
USGS	EM7	Euclid Beach - East	8/25/2016 7:18	EUBE1608250001	Field Temp		25	C				EPA 170.1
USGS	EM7	Euclid Beach - East	8/25/2016 7:18	EUBE1608250001	Turbidity		29.2	NTU				EPA 180.1
USGS	EM7	Euclid Beach - East	8/25/2016 7:18	EUBE1608250001	enterococci	EC	1220	cfu/100mL	25-Aug-16	1		
USGS	EM7	Euclid Beach - East	8/25/2016 7:18	EUBE1608250001	pH		7.3	S.U.				
USGS	EM7	Euclid Beach - East	8/10/2016 7:16	EUBE1608100001	E. coli		413	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	8/10/2016 7:16	EUBE1608100001	Field Cond		299	umhos/cm				SM 2510A
USGS	EM7	Euclid Beach - East	8/10/2016 7:16	EUBE1608100001	Field Temp		25.3	C				EPA 170.1
USGS	EM7	Euclid Beach - East	8/10/2016 7:16	EUBE1608100001	Turbidity		2.57	NTU				EPA 180.1
USGS	EM7	Euclid Beach - East	8/10/2016 7:16	EUBE1608100001	enterococci	EC	158	cfu/100mL	10-Aug-16	1		
USGS	EM7	Euclid Beach - East	8/10/2016 7:16	EUBE1608100001	pH		7.78	S.U.				
USGS	EM7	Euclid Beach - East	7/18/2016 7:32	EUBE1607180001	E. coli		336	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	7/18/2016 7:32	EUBE1607180001	Field Cond		308	umhos/cm				SM 2510A
USGS	EM7	Euclid Beach - East	7/18/2016 7:32	EUBE1607180001	Field Temp		24.4	C				EPA 170.1
USGS	EM7	Euclid Beach - East	7/18/2016 7:32	EUBE1607180001	Turbidity		11.1	NTU				EPA 180.1
USGS	EM7	Euclid Beach - East	7/18/2016 7:32	EUBE1607180001	enterococci	EC	54	cfu/100mL	18-Jul-16	1		
USGS	EM7	Euclid Beach - East	7/18/2016 7:32	EUBE1607180001	pH		7.63	S.U.				
USGS	EM7	Euclid Beach - East	6/6/2016 7:11	EUBE1606060001	E. coli		1741	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	6/6/2016 7:11	EUBE1606060001	Field Cond		328	umhos/cm				SM 2510A
USGS	EM7	Euclid Beach - East	6/6/2016 7:11	EUBE1606060001	Field Temp		18.1	C				EPA 170.1
USGS	EM7	Euclid Beach - East	6/6/2016 7:11	EUBE1606060001	Turbidity		13.1	NTU				EPA 180.1
USGS	EM7	Euclid Beach - East	6/6/2016 7:11	EUBE1606060001	enterococci		200	cfu/100mL	6-Jun-16	1		
USGS	EM7	Euclid Beach - East	6/6/2016 7:11	EUBE1606060001	pH		8.01	S.U.				
USGS	EM7	Euclid Beach - East	5/13/2016 9:45	EUBE1605130001	E. coli		326	MPN/100 mL	13-May-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	5/13/2016 9:45	EUBE1605130001	Turbidity		46.6	NTU				EPA 180.1
USGS	EM7	Euclid Beach - East	5/9/2016 9:41	EUBE1605090001	E. coli		14	MPN/100 mL	9-May-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	5/9/2016 9:41	EUBE1605090001	Field Cond		404	umhos/cm				SM 2510A
USGS	EM7	Euclid Beach - East	5/9/2016 9:41	EUBE1605090001	Field Temp		13.3	C				EPA 170.1
USGS	EM7	Euclid Beach - East	5/9/2016 9:41	EUBE1605090001	Turbidity		4.72	NTU				EPA 180.1
USGS	EM7	Euclid Beach - East	5/9/2016 9:41	EUBE1605090001	enterococci		6	cfu/100mL	9-May-16	1		
USGS	EM7	Euclid Beach - East	5/9/2016 9:41	EUBE1605090001	pH		8.98	S.U.				
USGS	EM7	Euclid Beach - East	5/2/2016 10:07	EUBE1605020001	E. coli		2747	MPN/100 mL	2-May-16	1		SM 9223 Colilert
USGS	EM7	Euclid Beach - East	5/2/2016 10:07	EUBE1605020001	Field Cond		530	umhos/cm				SM 2510A
USGS	EM7	Euclid Beach - East	5/2/2016 10:07	EUBE1605020001	Field Temp		11.9	C				EPA 170.1
USGS	EM7	Euclid Beach - East	5/2/2016 10:07	EUBE1605020001	Turbidity		8.62	NTU				EPA 180.1
USGS	EM7	Euclid Beach - East	5/2/2016 10:07	EUBE1605020001	enterococci	EC	510	cfu/100mL	1-May-16	1		
USGS	EM7	Euclid Beach - East	5/2/2016 10:07	EUBE1605020001	pH		7.99	S.U.				

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Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Analytical Services	EM8	Villa Angela-East	10/27/2016 10:10	VABE1610270001	E. coli		134	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	10/27/2016 10:10	VABE1610270002	E. coli		148	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	10/20/2016 10:10	VABE1610200001	E. coli		137	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	10/20/2016 10:10	VABE1610200001	Turbidity		3.9	NTU				EPA 180.1
Analytical Services	EM8	Villa Angela-East	9/7/2016 7:40	VABE1609070001	E. coli		1540	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	9/7/2016 7:40	VABE1609070001	Field Cond		275	umhos/cm				SM 2510A
Analytical Services	EM8	Villa Angela-East	9/7/2016 7:40	VABE1609070001	Field Temp		24.5	C				EPA 170.1
Analytical Services	EM8	Villa Angela-East	9/7/2016 7:40	VABE1609070001	Turbidity		5.21	NTU				EPA 180.1
Analytical Services	EM8	Villa Angela-East	9/7/2016 7:40	VABE1609070001	enterococci		146	cfu/100mL	7-Sep-16	1		
Analytical Services	EM8	Villa Angela-East	9/7/2016 7:40	VABE1609070001	pH		7.5	S.U.				
Analytical Services	EM8	Villa Angela-East	8/25/2016 7:40	VABE1608250001	E. coli		4082	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	8/25/2016 7:40	VABE1608250001	Field Cond		284	umhos/cm				SM 2510A
Analytical Services	EM8	Villa Angela-East	8/25/2016 7:40	VABE1608250001	Field Temp		25.3	C				EPA 170.1
Analytical Services	EM8	Villa Angela-East	8/25/2016 7:40	VABE1608250001	Turbidity		31.7	NTU				EPA 180.1
Analytical Services	EM8	Villa Angela-East	8/25/2016 7:40	VABE1608250001	enterococci	EC	1680	cfu/100mL	25-Aug-16	1		
Analytical Services	EM8	Villa Angela-East	8/25/2016 7:40	VABE1608250001	pH		7.53	S.U.				
Analytical Services	EM8	Villa Angela-East	8/10/2016 7:30	VABE1608100001	E. coli		202	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	8/10/2016 7:30	VABE1608100001	Field Cond		300	umhos/cm				SM 2510A
Analytical Services	EM8	Villa Angela-East	8/10/2016 7:30	VABE1608100001	Field Temp		25.2	C				EPA 170.1
Analytical Services	EM8	Villa Angela-East	8/10/2016 7:30	VABE1608100001	Turbidity		2.76	NTU				EPA 180.1
Analytical Services	EM8	Villa Angela-East	8/10/2016 7:30	VABE1608100001	enterococci		75	cfu/100mL	10-Aug-16	1		
Analytical Services	EM8	Villa Angela-East	8/10/2016 7:30	VABE1608100001	pH		7.77	S.U.				
Analytical Services	EM8	Villa Angela-East	7/18/2016 7:14	VABE1607180001	E. coli		1146	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	7/18/2016 7:14	VABE1607180001	Field Cond		314	umhos/cm				SM 2510A
Analytical Services	EM8	Villa Angela-East	7/18/2016 7:14	VABE1607180001	Field Temp		24.3	C				EPA 170.1
Analytical Services	EM8	Villa Angela-East	7/18/2016 7:14	VABE1607180001	Turbidity		14.3	NTU				EPA 180.1
Analytical Services	EM8	Villa Angela-East	7/18/2016 7:14	VABE1607180001	enterococci		420	cfu/100mL	18-Jul-16	1		
Analytical Services	EM8	Villa Angela-East	7/18/2016 7:14	VABE1607180001	pH		7.49	S.U.				
Analytical Services	EM8	Villa Angela-East	6/6/2016 7:28	VABE1606060001	E. coli		1436	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	6/6/2016 7:28	VABE1606060002	E. coli		913	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	6/6/2016 7:28	VABE1606060001	Field Cond		330	umhos/cm				SM 2510A
Analytical Services	EM8	Villa Angela-East	6/6/2016 7:28	VABE1606060001	Field Temp		17.8	C				EPA 170.1
Analytical Services	EM8	Villa Angela-East	6/6/2016 7:28	VABE1606060001	Turbidity	<	106	NTU		106		EPA 180.1
Analytical Services	EM8	Villa Angela-East	6/6/2016 7:28	VABE1606060002	Turbidity		13.7	NTU				EPA 180.1
Analytical Services	EM8	Villa Angela-East	6/6/2016 7:28	VABE1606060001	enterococci		295	cfu/100mL	6-Jun-16	1		
Analytical Services	EM8	Villa Angela-East	6/6/2016 7:28	VABE1606060002	enterococci		190	cfu/100mL	6-Jun-16	1		
Analytical Services	EM8	Villa Angela-East	6/6/2016 7:28	VABE1606060001	pH		8.15	S.U.				
Analytical Services	EM8	Villa Angela-East	5/13/2016 9:40	VABE1605130001	E. coli		913	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	5/13/2016 9:40	VABE1605130001	Turbidity		17.5	NTU				EPA 180.1
Analytical Services	EM8	Villa Angela-East	5/9/2016 10:00	VABE1605090001	E. coli		23	MPN/100 mL	9-May-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	5/9/2016 10:00	VABE1605090001	Field Cond		421	umhos/cm				SM 2510A
Analytical Services	EM8	Villa Angela-East	5/9/2016 10:00	VABE1605090001	Field Temp		13.3	C				EPA 170.1
Analytical Services	EM8	Villa Angela-East	5/9/2016 10:00	VABE1605090001	Turbidity		4.91	NTU				EPA 180.1
Analytical Services	EM8	Villa Angela-East	5/9/2016 10:00	VABE1605090001	enterococci	<	1	cfu/100mL	9-May-16	1		
Analytical Services	EM8	Villa Angela-East	5/9/2016 10:00	VABE1605090001	pH		9.02	S.U.				
Analytical Services	EM8	Villa Angela-East	5/2/2016 10:25	VABE1605020001	E. coli		1565	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Analytical Services	EM8	Villa Angela-East	5/2/2016 10:25	VABE1605020001	Field Cond		426	umhos/cm				SM 2510A
Analytical Services	EM8	Villa Angela-East	5/2/2016 10:25	VABE1605020001	Field Temp		11.3	C				EPA 170.1
Analytical Services	EM8	Villa Angela-East	5/2/2016 10:25	VABE1605020001	Turbidity		17.8	NTU				EPA 180.1
Analytical Services	EM8	Villa Angela-East	5/2/2016 10:25	VABE1605020001	enterococci	EC	1160	cfu/100mL	1-May-16	1		
Analytical Services	EM8	Villa Angela-East	5/2/2016 10:25	VABE1605020001	pH		8.11	S.U.				

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Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	10/27/2016 10:50	R-1610270012	E. coli		59400	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	10/20/2016 10:35	R-1610200002	E. coli		24920	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	10/20/2016 10:35	R-1610200002	Turbidity		40.8	NTU				EPA 180.1
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	9/30/2016 10:00	R-1609300001	E. coli		6294	MPN/100 mL	30-Sep-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	9/30/2016 10:00	R-1609300001	Turbidity		17.4	NTU				EPA 180.1
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	9/27/2016 12:00	R-1609270007	E. coli		14360	MPN/100 mL	27-Sep-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	9/19/2016 9:20	R-1609190003	E. coli		10500	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	9/19/2016 9:20	R-1609190003	Turbidity		36	NTU				EPA 180.1
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	9/7/2016 9:10	R-1609070006	E. coli		157900	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	9/7/2016 9:10	R-1609070006	Turbidity		130.8	NTU				EPA 180.1
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	8/25/2016 11:00	R-1608250008	E. coli		33400	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	8/25/2016 11:00	R-1608250008	Turbidity		51.8	NTU				EPA 180.1
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	8/10/2016 10:00	R-1608100006	E. coli		53800	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	8/10/2016 10:00	R-1608100006	Turbidity		33	NTU				EPA 180.1
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	7/18/2016 9:30	R-1607180004	E. coli		67700	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	7/18/2016 9:30	R-1607180004	Turbidity		142	NTU				EPA 180.1
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	6/6/2016 9:25	R-1606060002	E. coli		18660	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	6/6/2016 9:25	R-1606060002	Turbidity		5.43	NTU				EPA 180.1
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	5/13/2016 9:10	R-1605130008	E. coli		14390	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	5/13/2016 9:10	R-1605130008	Turbidity		17.3	NTU				EPA 180.1
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	5/2/2016 9:50	R-1605020009	E. coli		42860	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Nine-Mile Creek	EM9	River Mile 0.40 (EM9)	5/2/2016 9:50	R-1605020009	Turbidity		79.4	NTU				EPA 180.1
Ohio Canal	EM10	EM10	10/27/2016 10:45	R-1610270009	E. coli		405	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	10/27/2016 10:45	R-1610270009	Turbidity		34.4	NTU				EPA 180.1
Ohio Canal	EM10	EM10	10/20/2016 11:55	R-1610200013	E. coli		307	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	10/20/2016 11:55	R-1610200013	Turbidity		39.3	NTU				EPA 180.1
Ohio Canal	EM10	EM10	9/29/2016 10:43	R-1609290008	E. coli		183	MPN/100 mL	29-Sep-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	9/29/2016 10:43	R-1609290008	Turbidity		33	NTU				EPA 180.1
Ohio Canal	EM10	EM10	9/19/2016 10:30	R-1609190007	E. coli		15	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	9/19/2016 10:30	R-1609190007	Turbidity		17.3	NTU				EPA 180.1
Ohio Canal	EM10	EM10	9/7/2016 9:49	R-1609070010	E. coli		394	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	9/7/2016 9:49	R-1609070010	Turbidity		23.8	NTU				EPA 180.1
Ohio Canal	EM10	EM10	8/25/2016 9:20	R-1608250002	E. coli		574	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	8/25/2016 9:20	R-1608250002	Turbidity		13.1	NTU				EPA 180.1
Ohio Canal	EM10	EM10	8/10/2016 9:00	R-1608100002	E. coli		7076	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	8/10/2016 9:00	R-1608100002	Turbidity		51	NTU				EPA 180.1
Ohio Canal	EM10	EM10	8/1/2016 10:10	R-1608010007	E. coli		505	MPN/100 mL	1-Aug-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	8/1/2016 10:10	R-1608010007	Turbidity		16.9	NTU				EPA 180.1
Ohio Canal	EM10	EM10	6/17/2016 9:10	R-1606170005	E. coli		716	MPN/100 mL	17-Jun-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	6/17/2016 9:10	R-1606170005	Turbidity		27.7	NTU				EPA 180.1
Ohio Canal	EM10	EM10	5/31/2016 11:31	R-1605310006	E. coli		340	MPN/100 mL	31-May-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	5/13/2016	R-1605130006	E. coli		479	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	5/13/2016	R-1605130006	Turbidity		47.8	NTU				EPA 180.1
Ohio Canal	EM10	EM10	5/2/2016 10:20	R-1605020005	E. coli		1084	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Ohio Canal	EM10	EM10	5/2/2016 10:20	R-1605020005	Turbidity		63.4	NTU				EPA 180.1

2016 Consent Decree In-Stream Environmental Monitoring

Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	EM11	River Mile 2.50 (EM11)	10/27/2016 9:48	R-1610270003	E. coli		1646	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	10/27/2016 9:48	R-1610270004	E. coli		1892	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	10/27/2016 9:48	R-1610270003	Turbidity		52.2	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	10/27/2016 9:48	R-1610270004	Turbidity		50.6	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	10/20/2016 10:25	R-1610200010	E. coli		2472	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	10/20/2016 10:25	R-1610200010	Turbidity		69.4	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	9/29/2016 10:00	R-1609290006	E. coli		1222	MPN/100 mL	29-Sep-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	9/29/2016 10:00	R-1609290006	Turbidity		10.6	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	9/19/2016 11:45	R-1609190012	E. coli		196	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	9/19/2016 11:45	R-1609190012	Turbidity		12.2	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	9/9/2016 9:35	R-1609090002	E. coli		754	MPN/100 mL	9-Sep-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	9/9/2016 9:35	R-1609090002	Turbidity		15.2	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	8/25/2016 10:14	R-1608250004	E. coli		2824	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	8/25/2016 10:14	R-1608250004	Turbidity		43.8	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	8/10/2016 9:52	R-1608100008	E. coli		9372	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	8/10/2016 9:52	R-1608100008	Turbidity		70	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	8/1/2016 9:36	R-1608010002	E. coli		3192	MPN/100 mL	1-Aug-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	8/1/2016 9:36	R-1608010002	Turbidity		35.5	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	7/18/2016 9:20	R-1607180003	E. coli		4276	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	7/18/2016 9:20	R-1607180003	Turbidity		10.5	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	7/8/2016 9:00	R-1607080033	E. coli		2050	MPN/100 mL	8-Jul-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	7/8/2016 9:00	R-1607080033	Turbidity		11.3	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	6/23/2016 11:25	R-1606230006	E. coli		319	MPN/100 mL	23-Jun-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	6/23/2016 11:25	R-1606230006	Turbidity		3.01	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	6/6/2016 9:30	R-1606060006	E. coli		1091	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	6/6/2016 9:30	R-1606060006	Turbidity		6.34	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	5/13/2016 9:45	R-1605130002	E. coli		4372	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	5/13/2016 9:45	R-1605130002	Turbidity		36.1	NTU				EPA 180.1
Rocky River	EM11	River Mile 2.50 (EM11)	5/2/2016 9:25	R-1605020011	E. coli		6216	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Rocky River	EM11	River Mile 2.50 (EM11)	5/2/2016 9:25	R-1605020011	Turbidity		275	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	10/27/2016 11:00	R-1610270013	E. coli		193650	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	10/20/2016 10:45	R-1610200003	E. coli		40280	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	10/20/2016 10:45	R-1610200003	Turbidity		38.9	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	9/30/2016 10:13	R-1609300002	E. coli		6467	MPN/100 mL	30-Sep-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	9/30/2016 10:13	R-1609300002	Turbidity		8.83	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	9/27/2016 12:20	R-1609270008	E. coli	>	241260	MPN/100 mL	27-Sep-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	9/19/2016 9:35	R-1609190002	E. coli		3198	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	9/19/2016 9:35	R-1609190002	Turbidity		6.61	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	9/7/2016 9:30	R-1609070007	E. coli		58600	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	9/7/2016 9:30	R-1609070007	Turbidity		57.4	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	8/25/2016 11:15	R-1608250009	E. coli		12819	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	8/25/2016 11:15	R-1608250009	Turbidity		15.6	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	8/10/2016 10:30	R-1608100007	E. coli		145400	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	8/10/2016 10:30	R-1608100007	Turbidity		56.5	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	7/18/2016 9:35	R-1607180005	E. coli		244200	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	7/18/2016 9:35	R-1607180005	Turbidity		98.1	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	6/6/2016 9:35	R-1606060003	E. coli		483920	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	6/6/2016 9:35	R-1606060003	Turbidity		19.7	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	5/13/2016 10:10	R-1605130010	E. coli		43520	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	5/13/2016 10:10	R-1605130010	Turbidity		13.5	NTU				EPA 180.1
Shaw Brook	EM12	River Mile 0.40 (EM12)	5/2/2016 9:35	R-1605020008	E. coli		19740	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Shaw Brook	EM12	River Mile 0.40 (EM12)	5/2/2016 9:35	R-1605020008	Turbidity		28.3	NTU				EPA 180.1

2016 Consent Decree In-Stream Environmental Monitoring

Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Spring Creek	EM13	River Mile 0.30 (EM13)	10/27/2016 11:50	R-1610270007	E. coli		8948	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	10/27/2016 11:50	R-1610270007	Turbidity		10.6	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	10/20/2016 9:35	R-1610200008	E. coli		22120	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	10/20/2016 9:35	R-1610200008	Turbidity		17.4	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	9/29/2016 9:25	R-1609290003	E. coli		13540	MPN/100 mL	29-Sep-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	9/27/2016 9:05	R-1609270006	E. coli		19680	MPN/100 mL	27-Sep-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	9/19/2016 10:10	R-1609190009	E. coli		64985	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	9/19/2016 10:10	R-1609190009	Turbidity		6.25	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	9/7/2016 11:03	R-1609070014	E. coli		240660	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	9/7/2016 11:03	R-1609070014	Turbidity		36.5	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	8/25/2016 10:50	R-1608250005	E. coli		10219	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	8/25/2016 10:50	R-1608250005	Turbidity		8.44	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	8/10/2016 11:05	R-1608100011	E. coli		3610	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	8/10/2016 11:05	R-1608100011	Turbidity		10.9	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	8/1/2016 9:30	R-1608010005	E. coli		6532	MPN/100 mL	1-Aug-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	8/1/2016 9:30	R-1608010005	Turbidity		8	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	7/18/2016 10:00	R-1607180010	E. coli		86200	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	7/18/2016 10:00	R-1607180010	Turbidity		35	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	6/6/2016 11:20	R-1606060010	E. coli		8340	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	6/6/2016 11:20	R-1606060010	Turbidity		6.21	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	5/31/2016 10:17	R-1605310003	E. coli		13015	MPN/100 mL	31-May-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	5/13/2016	R-1605130005	E. coli		7800	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	5/13/2016	R-1605130005	Turbidity		9.75	NTU				EPA 180.1
Spring Creek	EM13	River Mile 0.30 (EM13)	5/2/2016 9:50	R-1605020003	E. coli		34520	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Spring Creek	EM13	River Mile 0.30 (EM13)	5/2/2016 9:50	R-1605020003	Turbidity		33.8	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	10/27/2016 11:00	R-1610270010	E. coli		9639	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	10/27/2016 11:00	R-1610270010	Turbidity		70.8	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	10/20/2016 11:45	R-1610200012	E. coli		9450	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	10/20/2016 11:45	R-1610200012	Turbidity		63.4	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	9/29/2016 10:33	R-1609290007	E. coli		4280	MPN/100 mL	29-Sep-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	9/29/2016 10:33	R-1609290007	Turbidity		19.1	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	9/19/2016 10:20	R-1609190006	E. coli		676	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	9/19/2016 10:20	R-1609190006	Turbidity		1.79	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	9/7/2016 10:05	R-1609070011	E. coli		6026	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	9/7/2016 10:05	R-1609070011	Turbidity		8.7	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	8/25/2016 9:10	R-1608250003	E. coli		5257	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	8/25/2016 9:10	R-1608250003	Turbidity		53.2	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	8/10/2016 9:30	R-1608100003	E. coli		8452	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	8/10/2016 9:30	R-1608100003	Turbidity		27	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	8/1/2016 9:50	R-1608010006	E. coli		545	MPN/100 mL	1-Aug-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	8/1/2016 9:50	R-1608010006	Turbidity		2.14	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	6/17/2016 9:23	R-1606170006	E. coli		2600	MPN/100 mL	17-Jun-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	6/17/2016 9:23	R-1606170006	Turbidity		6.51	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	5/31/2016 11:17	R-1605310005	E. coli		748	MPN/100 mL	31-May-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	5/13/2016	R-1605130007	E. coli		6830	MPN/100 mL	13-May-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	5/13/2016	R-1605130007	Turbidity		17.5	NTU				EPA 180.1
West Creek	EM14	River Mile 1.95 (EM14)	5/2/2016 8:48	R-1605020010	E. coli		15180	MPN/100 mL	2-May-16	1		SM 9223 Colilert
West Creek	EM14	River Mile 1.95 (EM14)	5/2/2016 8:48	R-1605020010	Turbidity		237	NTU				EPA 180.1

2016 Consent Decree In-Stream Environmental Monitoring

Waterbody	Site ID	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Treadway Creek	EM15	River Mile 0.40 (EM15)	10/27/2016 11:35	R-1610270008	E. coli		1428	MPN/100 mL	27-Oct-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	10/27/2016 11:35	R-1610270008	Turbidity		32.2	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	10/20/2016 9:52	R-1610200009	E. coli		16150	MPN/100 mL	20-Oct-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	10/20/2016 9:52	R-1610200009	Turbidity		97	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	9/29/2016 9:00	R-1609290002	E. coli		4510	MPN/100 mL	29-Sep-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	9/27/2016 8:45	R-1609270005	E. coli		1380	MPN/100 mL	27-Sep-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	9/19/2016 10:35	R-1609190010	E. coli		943	MPN/100 mL	19-Sep-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	9/19/2016 10:35	R-1609190010	Turbidity		3.05	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	9/7/2016 10:41	R-1609070013	E. coli		172300	MPN/100 mL	7-Sep-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	9/7/2016 10:41	R-1609070013	Turbidity		31.4	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	8/25/2016 11:20	R-1608250007	E. coli		16780	MPN/100 mL	25-Aug-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	8/25/2016 11:20	R-1608250007	Turbidity		32.8	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	8/10/2016 10:42	R-1608100010	E. coli		9920	MPN/100 mL	10-Aug-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	8/10/2016 10:42	R-1608100010	Turbidity		7.66	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	8/1/2016 9:10	R-1608010004	E. coli		4837	MPN/100 mL	1-Aug-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	8/1/2016 9:10	R-1608010004	Turbidity		10.6	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	7/18/2016 9:40	R-1607180009	E. coli		11460	MPN/100 mL	18-Jul-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	7/18/2016 9:40	R-1607180009	Turbidity		25.9	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	6/6/2016 11:00	R-1606060009	E. coli		3422	MPN/100 mL	6-Jun-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	6/6/2016 11:00	R-1606060009	Turbidity		20.7	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	5/31/2016 10:48	R-1605310004	E. coli		1215	MPN/100 mL	31-May-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	5/13/2016	R-1605130004	E. coli		2315	MPN/100 mL	13-May-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	5/13/2016	R-1605130004	Turbidity		6.32	NTU				EPA 180.1
Treadway Creek	EM15	River Mile 0.40 (EM15)	5/2/2016 9:30	R-1605020002	E. coli		963	MPN/100 mL	2-May-16	1		SM 9223 Colilert
Treadway Creek	EM15	River Mile 0.40 (EM15)	5/2/2016 9:30	R-1605020002	Turbidity		15	NTU				EPA 180.1

Attachment 2

Green Ambassador Slavic Village Demonstration Project – Phase 2 Site-Specific monitoring data and overview

Green infrastructure monitoring,75th Street, Slavic Village are of Cleveland OH: a report of provisional analyses

November 2016

USGS Ohio Water Science Center, Columbus OH; USEPA Office of Research and Development , Cincinnati OH

USGS
science for a changing world

Basic motivations and conditions of this monitoring effort

- There is much interest in the effectiveness of green infrastructure (GI) and the role(s) that it plays in the local hydrologic cycle
- Intentional sewershed, landscape characterization preceded installation of GI practices along E. 75th St. in Slavic Village
- EPA and USGS recognized early on that pre- and post-GI construction monitoring is essential to determine the functionality of GI, and the conditions under which it is most effective
- This data collection activity and subsequent analysis has been carried out by the USGS under an interagency agreement with USEPA-ORD (IA#14-95831101-5)
- Other groups that have been involved include: The Ohio State University, Cleveland Botanical Gardens, NEORSD
- Data since Nov. 1 2016 have been cleared, approved, and archived by USGS
- While considered accurate and based on best practices, the analysis and techniques used to create these summaries are to be considered provisional

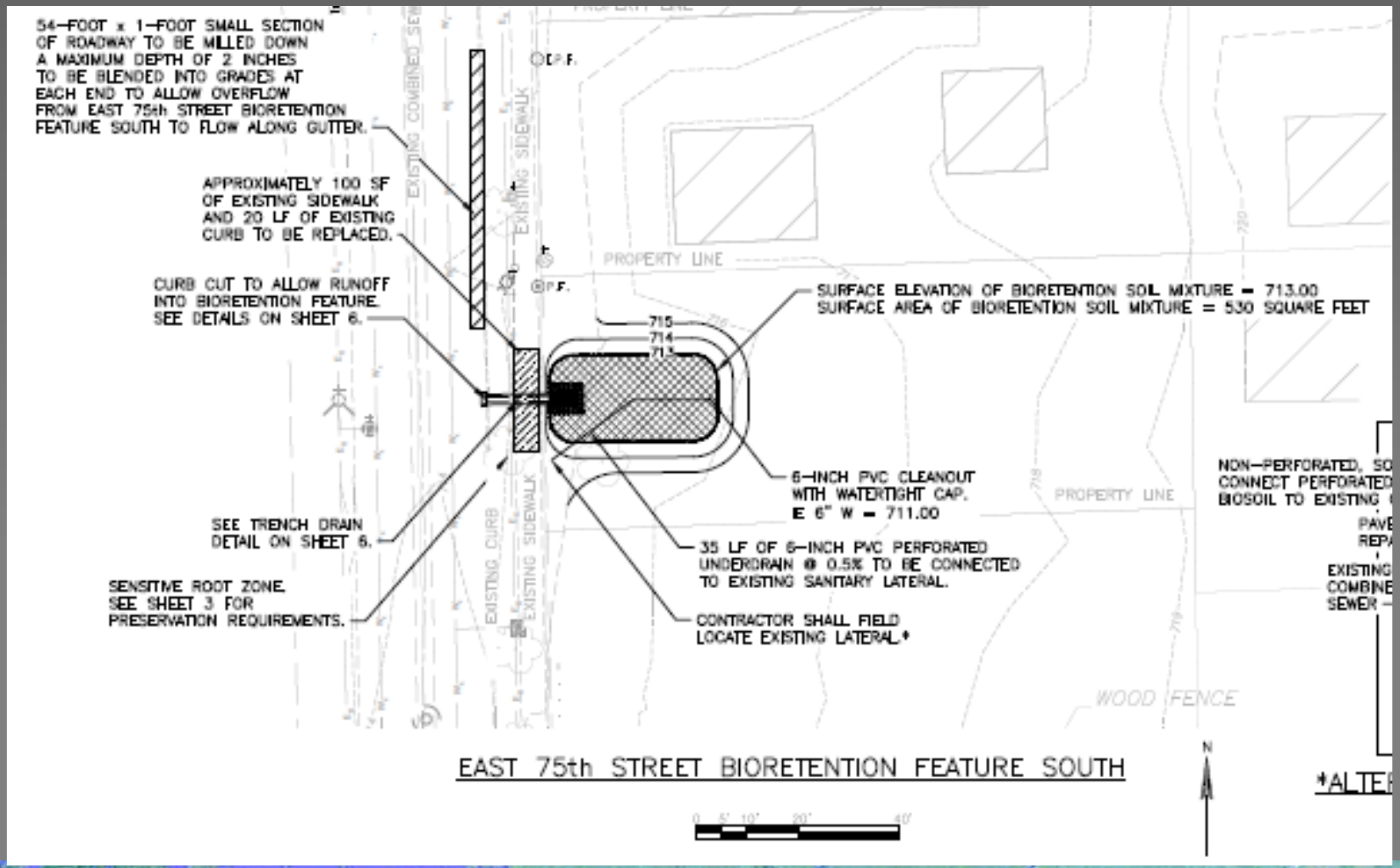
What data was collected ?

- Groundwater, start: Fall 2013
  - Hourly water levels in 19 wells
    - 5 “regional” and 14 local wells
  - Hourly specific conductance and temperature in 2 wells
- Meteorological, start: Spring 2014
  - Two sites; 72nd north and 76th south
  - Hourly solar radiation, wind speed and direction, air temperature, relative humidity, barometric pressure, and potential evapotranspiration
  - 5-minute precipitation (unheated tipping bucket)
  - Focus on warm season hydrologic responses
- Rain gardens, start: 2015
  - 75th North and 75th South

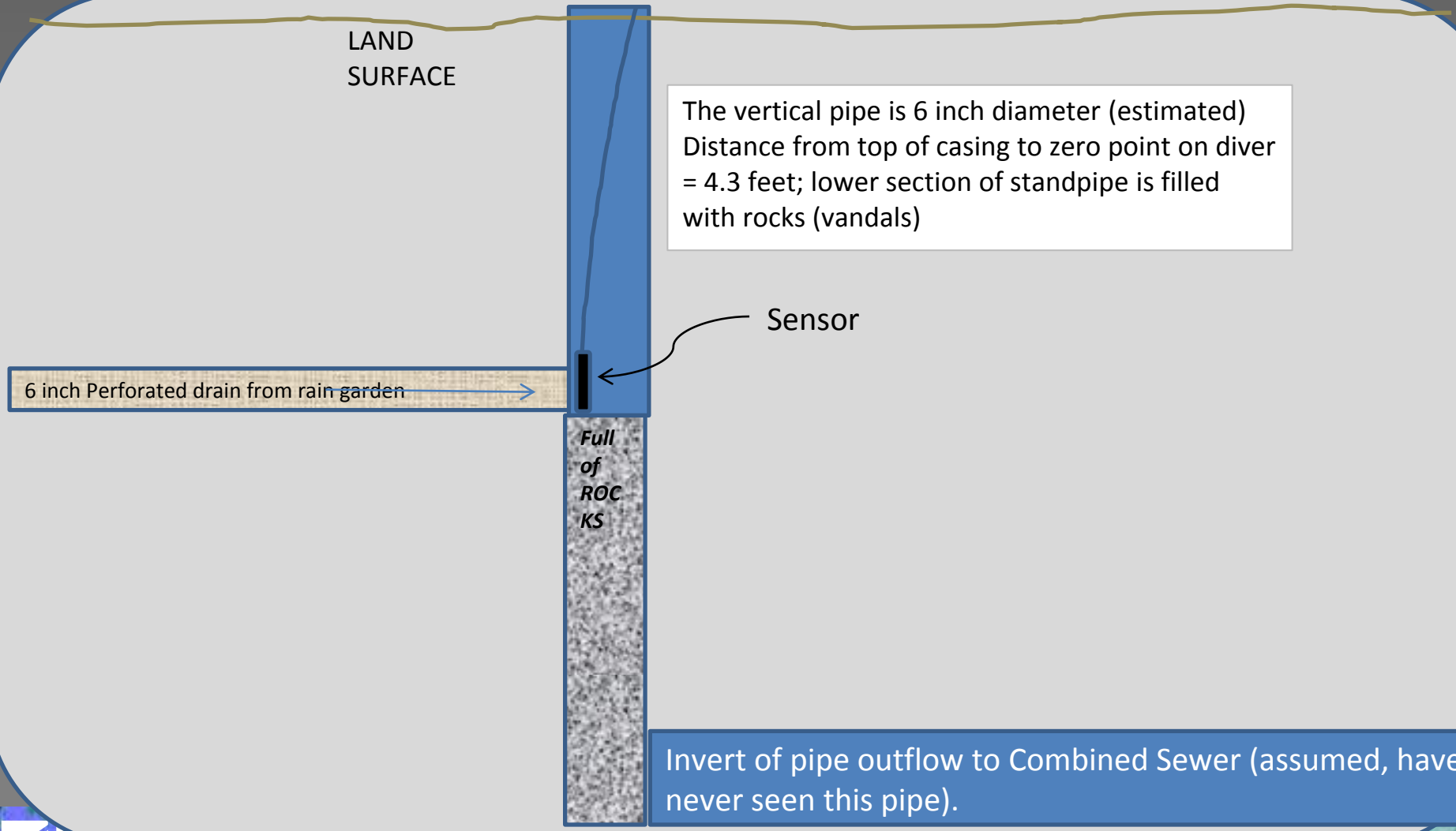
75th Street SOUTH Overview

- Rain Garden with an area of 600 ft^2
- Receives water from ~7.6 acres, much of this directly-connected impervious surface
- 1 ft. of gravel underlain by 1.5 ft. of engineered soil
- Subsurface drains connected to an overflow to combined sewer collection system

75th Street SOUTH Construction Detail



75th Street SOUTH Construction Schematic - OUTFLOW



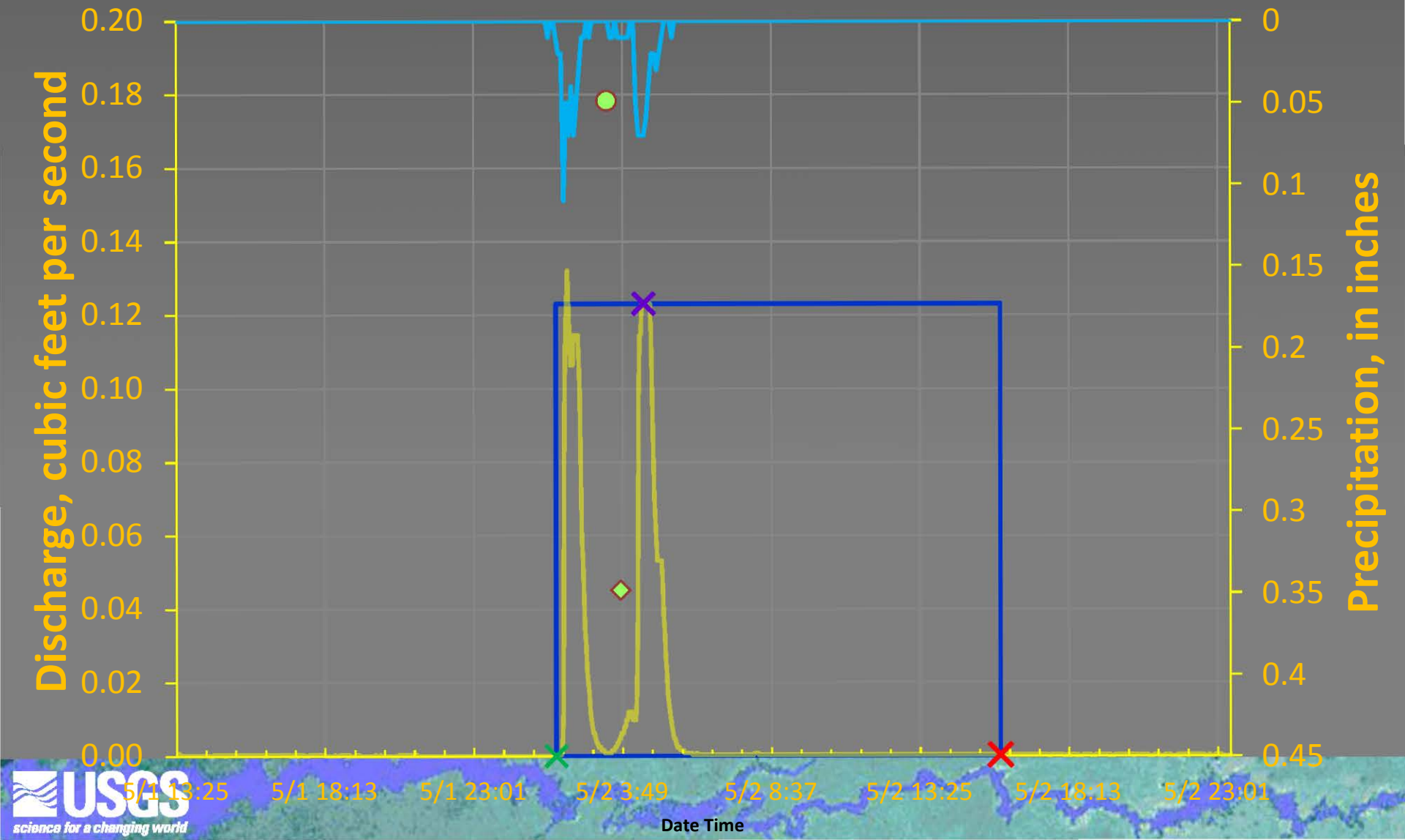
75th Street SOUTH Time Line

- **Inflow data from 5/14/2015 to present**
  - 0.5 ft. H-Flume w/ detached stilling well
  - Datalogger recording every 2 minutes
  - Stage – bubbler pressure sensor
  - Specific conductance and water temperature
    - Used to detect false events and freezing conditions
- **Crest stage gauge (CSG) data from 2/13/2015 to 9/21/2016 (lost to vandalism)**
  - Stick and cork to check maximum values
  - Non-vented pressure transducer for timing and duration (15 minute interval)
- **Outflow (stage only) data from 3/24/2016 to present**
  - Non-vented pressure transducer for timing and duration (15 minute interval); due to lack of knowledge about standpipe connection to combined sewer system, specific hydraulics are unknown

USGS
science for a changing world

Preliminary Information-Subject to Revision. Not for Citation or Distribution

75th Street SOUTH, typical inflow event analysis via USGS hydrograph analysis spreadsheet



Calculation of flow into the rain garden: these parameters are derived from USGS spreadsheet hydrograph analysis algorithm

Rain Start	5/2/2016 1:25	
Rain End	5/2/2016 5:25	
Rain Duration	4.1	hours
Total Depth of Rain	1.05	inches
Flume Start	5/2/16 1:40	
Flume End	5/2/16 16:00	
Start Lag*	15	minutes
Flow Duration	14.3	hours
Centroid Lag*	27	minutes
Volume of Inflow	606	cubic feet
	4,500	gallons

Preliminary Information-Subject to Revision. Not for Citation or Distribution

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* positive Lag indicates flume centroid after precipitation centroid

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75th Street SOUTH Summary - Inflow

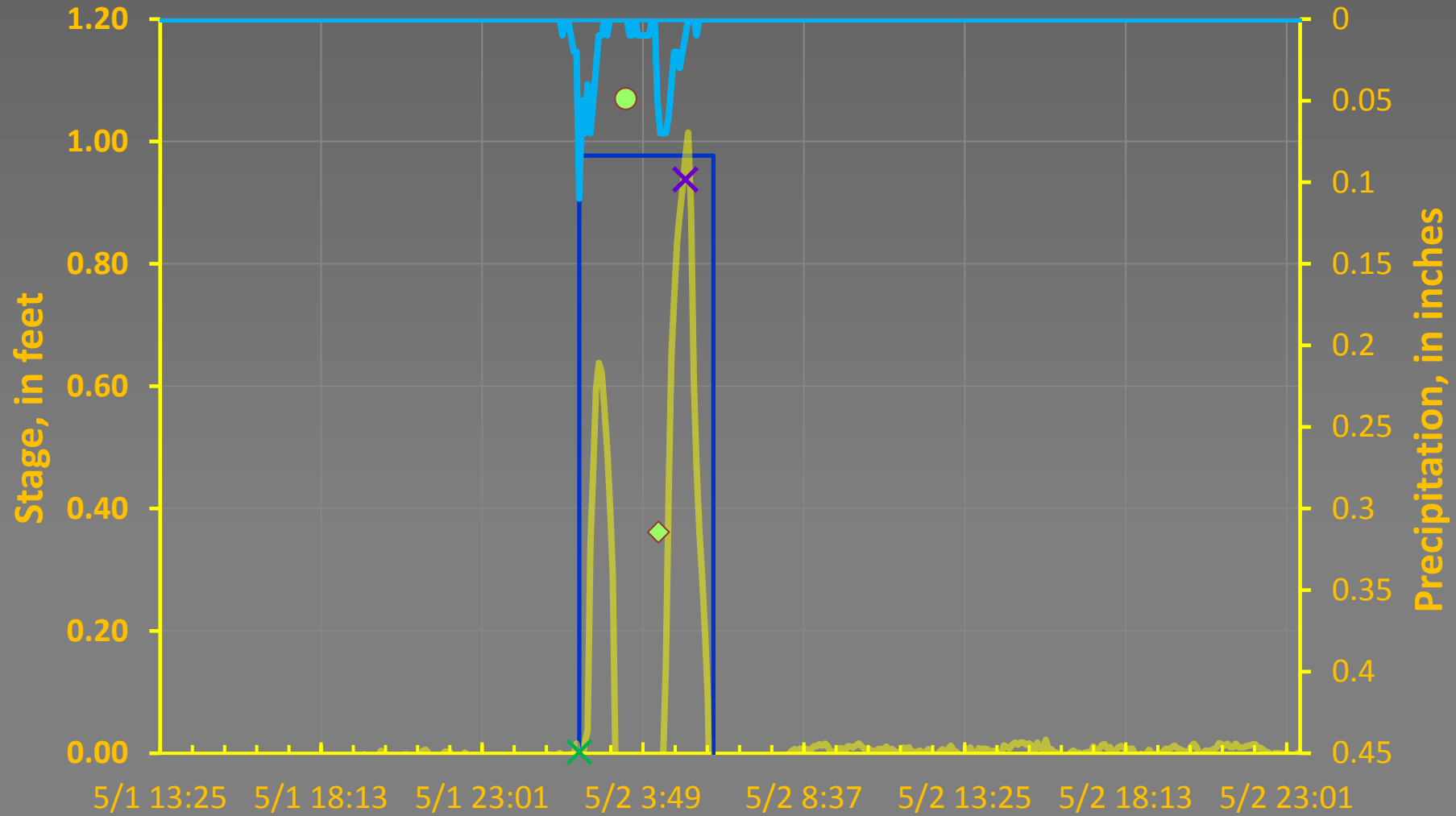
- Starting on 5/15/2015 and ending 10/31/2016
- 183 rain events that produced measurable inflow
- 23 rain events that did not produce measureable flow (or data was not sufficient)
- Total event rain falls ranged from 0.02 to 4.45 inches
- Total rain of 66.19 inches
- Flow into the rain garden through the curb cut 245,000 gallons
  - Does not include overland runoff or direct precipitation onto the rain garden

Where is the water going?

- Some gets intercepted by the perforated drain an goes straight to the combined sewer
  - Due to factors mentioned earlier the volume cannot be determined
- Some goes to groundwater
- Some is used by the plants
  - Mostly during the growing season

Preliminary Information-Subject to Revision. Not for Citation or Distribution

75th Street SOUTH
Typical Event - Outflow



Preliminary Information-Subject to Revision. Not for Citation or Distribution

75th Street SOUTH Summary - Outflow

- Starting on 3/24/2016 and ending 10/31/2016
- Total of 85 rain events
- Total event rain falls ranged from 0.02 to 1.70 inches
- Total rain of 27.02 inches
- Flow from the rain garden on 26 occasions
- Total duration of outflows of 58 hours was about 1/5 of the total duration of inflows, which was ~308 hours
- Many of these outflows were very small

Preliminary Information-Subject to Revision. Not for Citation or Distribution

75th Street SOUTH Summary - Ponding

- Starting on 8/13/2015 and ending 9/21/2016 (CSG vadalized sometime after this visit)
- Total of 138 rain events
- Total event rain falls ranged from 0.02 to 1.85 inches
- Total rain of 31.77 inches
- Measurable standing water on 13 occasions
- Maximum ponding depth of ~0.4 ft
- Total duration of ponding ~22.5 hours
- Zero point on CSG about 0.1 ft above bottom of rain garden so some localized puddles may occur that are not detected
- The CSG is place near the middle of the RG so there were most likely events that had ponding near the inflow but the ponding did not reach the CSG.

Shift gears to 75th Street *North* Summary

75th Street *North* Summary - Inflow

- Starting on *8/18/2015* and ending 10/31/2016
- 158 rain events that produced measurable inflow
- 32 rain events that did not produce measureable flow (or data was not sufficient)
- Total event rain falls ranged from 0.02 to 1.85 inches
- Total rain of 45.79 inches
- Flow into the rain garden through the curb cut 230,000 gallons
  - Does not include overland runoff or direct precipitation onto the rain garden

Preliminary Information-Subject to Revision. Not for Citation or Distribution

Preliminary Information-Subject to Revision. Not for Citation or Distribution

75th Street NORTH Summary - Outflow

- Starting on 10/15/2015 and ending 10/31/2016
- Total of 137 rain events
- Total event rain falls ranged from 0.02 to 1.85 inches
- Total rain of 41.54 inches
- Flow from the rain garden on 88 occasions
- Total duration of outflows of 637 hours, however total duration of inflows during this time was ~499 hours
  - Assessment of full dataset indicates that flow can and does backup into the monitored outfall
  - Based on groundwater records, water that infiltrates and reaches the water table, where groundwater flow tends to the west, and is likely intercepted by the adjacent “french drain” to CSO conveyance

75th Street NORTH Summary - Ponding

- Design ponding depth from NEORSD = 0.75 ft
- The Diver stage logger drifts quite a bit over the period of record so we had to use some averaging/differential routines to smooth out the data.
- We can pick out events but the magnitude and duration of the ponding is at best qualitative
- water ponded to a depth that reached the diver (about 0.1 ft. above the surface of the RG) but we cannot quantify the max depth or duration of the event.
- Zero point on CSG is about 0.1 ft above bottom of rain garden so some localized ponding may occur that are not detected
- The CSG is placed near the middle of the RG so there were most likely events that had ponding near the inflow, but the ponding did not reach the CSG.

Preliminary Information-Subject to Revision. Not for Citation or Distribution

Attachment 3

Hydrologic and Hydraulic Modeling for Combined Sewer Systems Standards and Protocols Version 3.0

Northeast Ohio Regional Sewer District

Hydrologic and Hydraulic Modeling for Combined Sewer Systems

Standards and Protocols

Version 3.0

Version History

Version	Date	Description of Revisions
0.00	8/16/2011	Draft release for review.
0.01	9/27/2011	Official release for distribution with review comments addressed.
0.02	3/22/2012	Updated sections 2.4, 4.1, 6.4 (Table 6-1), and 6.6.
1.00	11/15/2013	Extensive revisions to reflect 2013 model conversions and updates.
1.01	12/27/2014	Added sections 2.7, 10, and Appendix J. Updated sections 4.2 (second bullet), Figure 4-1, Table 4-1, section 5, and section 7.6.
2.00	7/20/2015	Updated sections 6.5 and 7.6, Appendix A, C, and E.
3.0	12/2/2016	Extensive revisions summarized as follows: • Minor editorial/grammatical updates made throughout. • Section 1: added more clarification on project model submittal expectations. • Section 2: added clarification regarding vertical datums, monitoring data, and outfall boundary conditions. • Section 3: extensive updates, added clarification regarding subcatchment delineations/handling splitting of existing subcatchments, add new language on RDII and subcatchment naming convention (sections 3.8 and 3.10), • Section 4: added clarification regarding vertical datums, node naming convention (section 4.2), Hazen Williams roughnesses (Table 4-1). • Section 5: extensive revisions to improve clarification regarding calibration criteria and documentation. • Section 6: revised protocols for simulating Typical Year events with treating 20 events as back-to-back simulations (section 6.5). • Section 7: expanded model naming convention to include GI scenarios. • Appendix H: added more clarification to expected calibration documentation. • Appendix K: added details on new node naming convention.

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1.0 Introduction

1.1 Purpose of the Document

This document describes the standards and protocols to be used for refinements and future updates of the Northeast Ohio Regional Sewer District (NEORSD/the District) combined sewer system models and the associated combined sewer overflow (CSO) evaluations. Standardization of the modeling procedures will facilitate meeting the objectives established by the District's Long Term Control Plan (LTCP) as negotiated in the Consent Decree Agreement. The intent of this document is to not provide generic descriptions or information that could be easily found in reference books and/or user manuals, but to assist in developing a consistent and uniform modeling practice to meet the needs of the District. This document is directed to District staff and Consultants who have experience with the two main modeling software platforms (i.e., InfoWorks ICM (IW) and MIKE URBAN (MU)) and a general understanding of the District's service area and combined sewer system.

This document will be updated as needed to address the District's future modeling requirements and to adapt to future software updates throughout the course of the LTCP modeling efforts. The Consultant shall confirm that the most recent version of this document is being used prior to project/contract kick-off.

1.2 Model Management and Distribution

The District collection system models have been developed for the various service areas and scenarios over many years. The models were initially developed in a range of model frameworks and with various modeling assumptions, as summarized in **Table 1-1**. The District has been converting the combined sewer models into a consistent framework, and the current model frameworks are also summarized in **Table 1-1**.

The District oversees use of, and updates to the Master Models which represent the official versions of the combined sewer models. Consultants under contract with the District to perform work that requires access to the District's combined sewer models will be provided a copy of any applicable Master Model, referred to herein as the Project Model. Upon completion of the project, the Consultant shall indicate in a submittal letter with the Project Model and associated support files that the modeling protocols have been adhered to and include an explanation of any variances. At that time, the District and its designated Model Manager will either adopt the Project Model as the new Master Model or incorporate the Project Model changes into the Master Model, whichever is more appropriate. To assist Consultants in the submittal process, a Project Model Submittal Checklist has been developed and included with this document as an electronic attachment in fillable Adobe PDF format. A sample of the checklist is provided in **Figure A-1** in **Attachment A**. Consultants are expected to complete and include this checklist with each Project Model submittal cycle (e.g., 30%, 60%, 90%, Final, etc.) as required in the contract scope.

Table 1-1. Summary of District Collection System Models.

WWTP	Interceptor Model	System Type	Scenario	Modeling Software Platform		Notes
				Original	Current	
Easterly	Easterly	Combined	Baseline	SWMM4/ MOUSE99	InfoWorks ICM	Converted to ICM per 2012 Model Upgrades
			Consent Decree	SWMM4/ MOUSE99	InfoWorks ICM	Converted to ICM Sept 2013.
	Doan Valley	Combined	Baseline	HydroWorks	InfoWorks ICM	Obsolete - Merged with Easterly Oct 2013.
			Consent Decree	HydroWorks	InfoWorks ICM	Obsolete - Merged with Easterly Oct 2013.
	Heights-Hilltop	Separated	Existing	InfoWorks CS	InfoWorks CS	No schedule for conversion
			Baseline	InfoWorks CS	InfoWorks ICM	Converted to ICM per 2012 Model Upgrades
			Future	InfoWorks CS	InfoWorks ICM	Converted to ICM per 2012 Model Upgrades
Southerly	Big Creek	Combined	Baseline	SWMM4/ MOUSE99	InfoWorks ICM	Converted to ICM per 2012 Model Upgrades
			Consent Decree	SWMM4/ MOUSE99	InfoWorks ICM	Converted to ICM Sept 2013.
	Mill Creek	Combined	Baseline	SWMM4	InfoWorks CS	No schedule for conversion
			Rec. Plan	SWMM4	InfoWorks CS	No schedule for conversion
			Collection System	n/a	InfoWorks ICM	Rebuilt per 2012 Model Upgrades
	Southerly	Combined	Baseline	SWMM4/ MOUSE99	InfoWorks ICM	Converted to ICM per 2012 Model Upgrades
			Consent Decree	SWMM4/ MOUSE99	InfoWorks ICM	Converted to ICM Sept 2013.
	Cuyahoga Valley	Separated	Existing	SWMM4/ MIKE URBAN	SWMM4/ MIKE URBAN	No schedule for conversion
			Baseline	SWMM4/ MIKE URBAN	SWMM4/ MIKE URBAN	No schedule for conversion
			Future	SWMM4/ MIKE URBAN	SWMM4/ MIKE URBAN	No schedule for conversion
	Southwest	Separated	Baseline	XPSWMM	SWMM4/ MOUSE99	In progress per OPT1 contract (to InfoWorks ICM)
			Future	XPSWMM	SWMM4/ MOUSE99	No schedule for conversion
Westerly	Westerly	Combined	Baseline	HydroWorks	InfoWorks ICM	Converted to ICM per 2012 Model Upgrades
			Consent Decree	HydroWorks	InfoWorks ICM	Converted to ICM per 2012 Model Upgrades

1.3 Requests for Variance of Standards and Protocols

The modeling standards and protocols have been developed to ensure consistency in modeling practices to support achieving the District's Consent Decree objectives. Situations may exist where the standards and protocols presented in this document may not cover all possible conditions. Variances may be granted upon request by the District in special cases if

justification for a variance can be demonstrated by the Consultant. Any granted variances should be clearly documented in the Project Model Submittal Checklist (**Attachment A**) provided with each submitted Project Model.

1.4 Requests for Additional Information

Conditions may exist where the Consultant may have questions or need additional clarification regarding the model(s) or standards and protocols from the District. Consultants shall direct all requests to the District's Project Manager for their respective project. Such requests may address questions regarding the model representation or results, such as changes to the collection system since the model was developed, apparent ambiguities in system configurations or model setup, or other questions pertaining to the specific Master Model(s) and/or modeling standards and protocols.

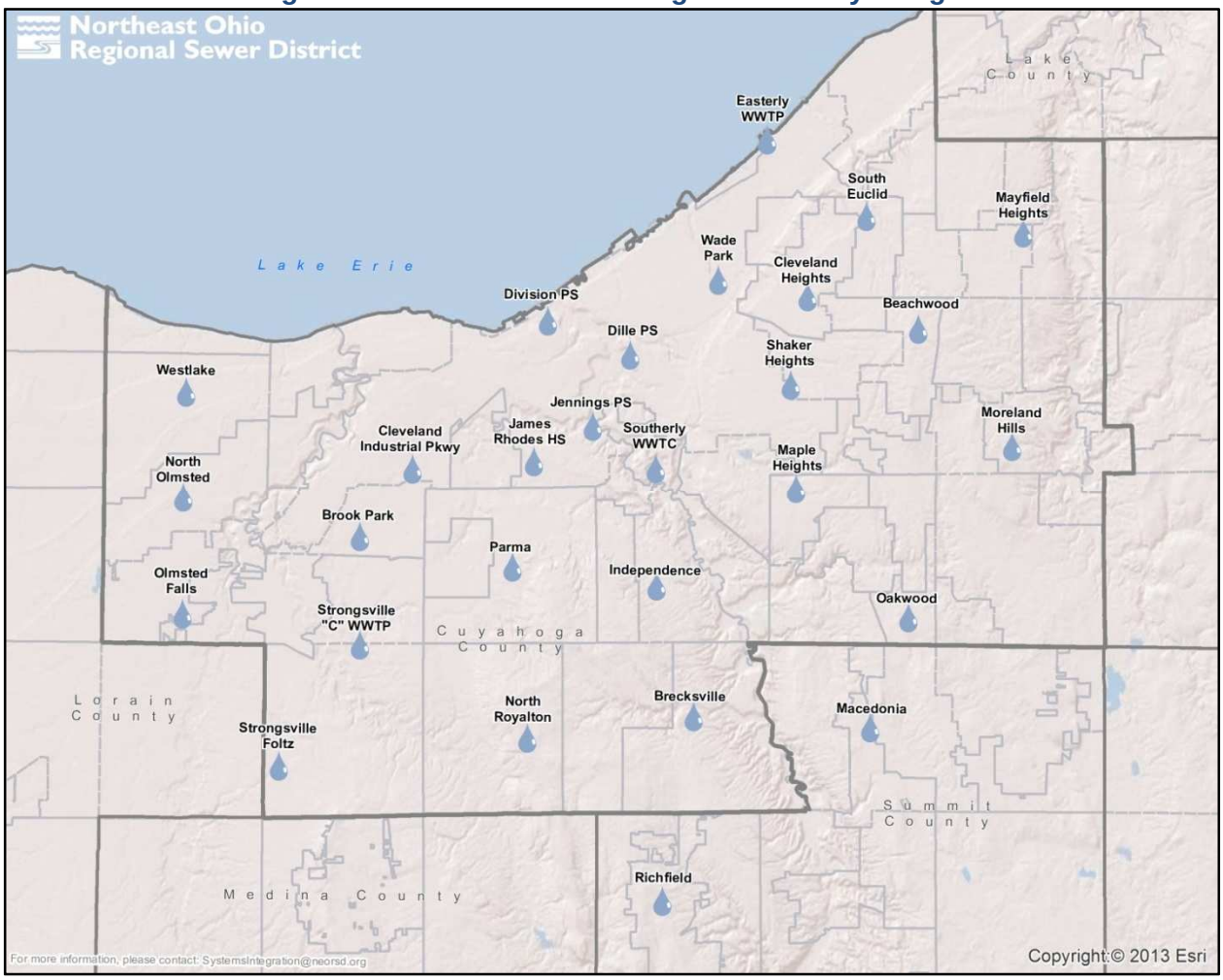
2.0 Data Sources

This section describes the various data sources that shall be used to refine the District's CSO Models. This list is not all-encompassing, but rather a recommended starting point for data collection. The Consultant shall coordinate all information requests through the District's Project Manager.

2.1 Precipitation

- The rainfall hyetographs for synthetic design storms including the 1-month, 6-hour through the 5-year, 6-hour events and the 1-year, 1-hour through the 100-year, 1-hour events have been developed and applied previously as part of the District's CSO facilities planning. **Appendix B** provides these hyetographs. Note that these design hyetographs are based on 1-hour rainfall increments.
- Design storm hyetographs for 15-minute rainfall increments are also available for use if deemed necessary for a specific project need. A summary of available design storm hyetographs in 15-minute rainfall increments is provided in **Appendix B**. Consultants must request approval from the District via the District's Project Manager if the 15-minute or finer resolution is deemed necessary.
- A synthetic typical year rainfall time series was developed in 1995 as part of the District's CSO facilities planning effort. This synthetic typical year consists of 121 representative events compiled predominately from recorded rainfall that occurred in 1991 and 1993. **Appendix B** provides Table C-1 from the NEORSD CSO Facilities Planning Summary Report which summarizes the dates and rainfall characteristics of the 121 events which make up the District's typical year. The typical year rainfall has been used to estimate the annual CSO frequencies and volumes. Typical year events with a 1991 year stamp were changed to 1993 in the Master Models to standardize and simplify the model simulation setup and results reporting. Like the design hyetographs, typical year storm hyetographs are based on 1-hour rainfall increments.
- Historical rainfall data recorded by the District's Rain Gage Network, shown in **Figure 2-1**, could also be available. Consultants should contact the District's Project Manager for information on the length and quality of data record for individual gauges in the network.
- Additional historical recorded rainfall data may be available from post-construction monitoring and performance compliance activities required under Appendix 2 of the District's CSO Consent Decree.

Figure 2-1. NEORSD Rain Gauge Network by Gauge ID.



2.2 NEORSD GIS

- The District's Engineering Information & Technology (EIT) Group maintains GIS information that can be made available to Consultants working with the CSO Models. Consultant should request information from the District's EIT Group through the District Project Manager.
- Updates to the model based on the District GIS should be flagged using the appropriate Data Flag described in Section 7.
- The Consultant should communicate any discrepancies to the District's EIT Group or Model Manager through the District Project Manager.
- The primary goal is to have model and GIS data that coincide and are updated in parallel as system changes occur and inaccuracies are resolved.

2.3 Sewer Record Drawings

- The District maintains record drawings, as-built drawings, and posted construction drawings for the collection system that can be made available to Consultants working

with the CSO Models. The Consultant shall coordinate information requests through the District's Project Manager.

- Note: Record drawings obtained from the District may express elevations in terms of various vertical datums due to age and/or location (i.e., plant versus collection system project). Consultants are responsible for verifying the vertical datum for each source used for their project and apply the appropriate conversions in accordance with the District's models. See Section 4.1 for further information on converting vertical datums to support the District's modeling efforts.

2.4 Facilities Drawings/Reports/OM Manuals

- The District maintains a variety of drawings, reports and documentation regarding the collection system and LTCP facilities that can be made available to Consultants working with the CSO Models. The Consultant shall coordinate information requests through the District's Project Manager.
- Note: Facilities drawings, reports, and manuals obtained from the District may express elevations in terms of various vertical datums due to age and/or location (i.e., plant versus collection system project). Consultants are responsible for verifying the vertical datum for each source used for their project and apply the appropriate conversions in accordance with the District's models. See Section 4.1 for further information on converting vertical datums to support the District's modeling efforts.
-

2.5 Monitoring Data (Dry Weather, Base Flow, and Wet Weather)

- A variety of historical monitoring data collected as part of previous initiatives may be available from the District to support specific project needs. Consultants should coordinate with their respective District Project Manager to determine whether such data is available, reliable, and/or appropriate for supporting project needs. The following is a list of potential sources of historical monitoring data potentially available:
  - Permanent monitoring sites: The District has installed and maintained several permanent monitors throughout its collection, automated regulators, and treatment facilities. Location of these permanent monitoring locations are identified in a GIS layer in the District's GIS system.
  - Original model calibration sites: Temporary monitoring sites installed and maintained in previous facilities planning efforts supporting model development and/or recalibration may be available.
  - Pre- and post-construction monitoring sites: Temporary monitoring sites installed and maintained supporting performance compliance activities required under Appendix 2 of the CSO Consent Decree may be available.
- If additional monitoring data is required, Consultants shall develop a flow monitoring plan and submit to the District for approval. The plan should indicate the location of flow monitors, the time frame of monitoring, data recording method, type of equipment, field activities and confirmation reporting, data QA/QC protocols, and data analysis

method. Consultants should refer to the District's Flow and Rainfall Monitoring for Engineering and Construction Projects Standards and Protocols document for additional details.

2.6 Outfall Boundary Conditions

- For historical storm simulations (e.g., for model calibration/verification), observed river/lake water elevation obtained during the same monitoring period shall be used. The following list of potential data sources for Consultants to consider for historical information related to boundary conditions for the District's models:
  - Phase II CSO Facilities Plan Reports: Locations of potential gauging stations are provided.
  - The US Army Corps of Engineers' Great Lakes Water Levels: Provides historical wealth of statistics on lake levels (http://www.lre.usace.army.mil/Missions/Great-Lakes-Information/Great-Lakes-Water-Levels/).
- Consultants are responsible for identifying the most appropriate data source for boundary conditions to be applied to their project models. Consultants should coordinate with the District PM for final approval.

2.7 Master Model Modification Tracking Lists

The District is committed to actively managing its CSO Models and will perform routine maintenance to ensure system representations are adequately represented based on the project status or modeling standards. As part of this effort, a master modification and recommendations tracking list is maintained which provides the status of current and potential planned updates to the models. Consultants are responsible for familiarizing themselves with these lists to confirm how identified update needs may impact their respective projects.

3.0 Hydrologic Modeling and Dry Weather Flows

This section describes the hydrologic and dry weather flow representation for the District's CSO Models. The Consultant is responsible to document model changes and updates as described further in Section 7, and to follow the QA/QC protocols as described further in Section 8.

3.1 Area Delineation

- Area delineations should be based on sewer connectivity, ground surface contours that affect overland flow, and uniform land use (as reasonably possible). Subcatchment boundaries should generally be drawn at hydraulic control points such as flow splits (CSO regulators, flow dividers, tunnel diversion structures, etc.), hydro brakes, pump stations, significant junctions, and flow monitor locations.
- For planning level models, the size of the subcatchments is generally 30 to 50 acres. Justification for use of significantly larger subcatchments should be provided by Consultants and documented in model.
- For design level models, the size of the subcatchments should be determined based on the level of detail appropriate for the project.
- Total acreage for each subcatchment should be calculated in GIS. This value should not be adjusted as part of model calibration.
- Contributing area should be derived from model calibration efforts based on flow monitoring data.
- Subcatchment delineations should be included in the model for future reference. A GIS layer of the delineations should be submitted to the Model Manager with submittal of the project model(s).
- Note to model users: Current subcatchment delineations from original models are considered planning level and may appear to be potentially inaccurate or lack sufficient resolution/detail. The contributing area values used in the hydrology calculations were derived through model calibration based on flow monitoring data. Critique of these values should consider this when comparing to GIS calculated areas. Refinement of these delineations are expected as individual project supported refinements are available and integrated into the master models. Gaps or overlaps between refined delineations and adjacent original delineations are anticipated.
- During the conversion of the original models into the IW platform, some of the original subcatchments were split based on their pervious and impervious composition to minimize the influence of a parameter rounding issues caused by the inherent difference between the SWMM4 and IW platforms. Thus, duplicate polygon delineations were created and identified by assigning a suffix of '_Perv' and '_Impv' to the original subcatchment ID. Consultants are responsible for removing these duplicate representation as targeted flow monitoring and model recalibration efforts are performed supporting design projects.

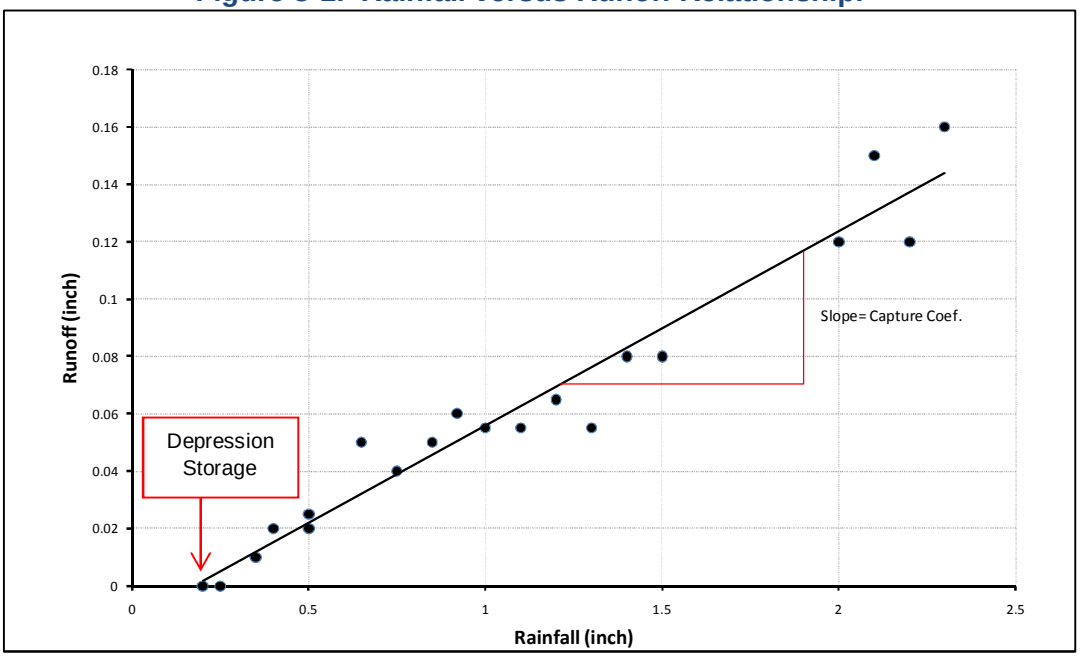
3.2 Drainage Area Width, Length, and Slope

- Subcatchment flow lengths should be estimated in GIS based on subcatchment delineations. This value is to be used to calculate subcatchment width parameter (referred to as Dimension in ICM) in absence of flow monitoring data to support model calibration. If calibration is performed, Consultants are expected to be cognizant of the degree in which the estimated flow lengths varies in comparison to final flow lengths based on the calibrated subcatchment widths.
- Subcatchment width (i.e., Dimension parameter) is defined as the ratio of a subcatchment's contributing area to its flow length (Width [ft] = Contributing Area [sqft] / Length [ft]). Widths are anticipated to be adjusted within reason during model calibration to mimic the shape and time of concentration of the metered hydrographs if flow monitoring data is available.
- The average overland flow slope should be calculated using the latest available Cuyahoga County two-foot contour data. The calculated estimates may be adjusted during calibration to more accurately represent the shape and time of concentration of the metered hydrographs if flow monitoring data is available.

3.3 Directly Connected Impervious Area

- The impervious area percentage should be calculated for each subcatchment for comparison to observed flow monitoring data if available or to estimate the amount of Directly Connected Impervious Area (DCIA) if flow monitoring data is not available. The impervious area can be determined using GIS information as follows:
    1. Intersect the subcatchment delineations with either impervious GIS data (building footprints and street delineations) or land use delineations from which impervious estimates could be made.
    2. Calculate the percent impervious for each model subcatchment from the individual areas of the intersection.
    3. If multiple subareas are tributary to a meter location, the percent impervious should be aggregated for the meter area using an area-weighted average percent impervious from the tributary subareas.
- For subareas that are being calibrated or recalibrated to new flow monitoring data, an analysis of the observed flow monitoring data should be performed to determine an approximate DCIA percent prior to the actual model calibration. The runoff coefficient can be calculated from the flow meter data by dividing the wet weather flow volume by the rainfall depth and the meter area for multiple rainfall events observed during the flow monitoring program. **Figure 3-1** illustrates this approach by plotting runoff versus rainfall volume. The slope of the best-fit line represents the runoff coefficient after adjusting for initial abstraction. The runoff coefficient is approximately equal to the DCIA for the meter area for smaller rainfall events when pervious areas do not contribute significant runoff.

Figure 3-1. Rainfall versus Runoff Relationship.



- The DCIA should be calibrated to the flow monitoring data using either the GIS impervious area or calculated runoff coefficient as a starting point. If there are significant differences between the calibrated DCIA, GIS impervious area, and calculated runoff coefficient, these differences should be noted and justified to the District's PM in a model calibration report/TM or other means approved by the District.

3.4 Depression Storage

- If available, flow meter data should be examined to determine the minimum amount of rainfall required to trigger an runoff response (intercept in the Q vs I graph shown in **Figure 3-1**) and to verify the appropriate values of pervious and impervious depression storage values.
- Under dry antecedent moisture conditions, the depression storage for impervious surfaces typically ranges between 0.02 and 0.06 in for previous District model calibrations. If sufficient monitoring data is not available, a default value of 0.04 inches is recommended for impervious surfaces.
- Under dry antecedent moisture conditions, the depression storage for pervious areas surfaces typically ranges between 0.10 and 0.25 in. If sufficient monitoring data is not available, a default value of 0.10 inches is recommended for pervious surfaces. The magnitude of soil losses for pervious areas is also heavily influenced by the soil infiltration parameters as discussed in Section 3.7.
- An evaporation rate of 0.1 inch/day was applied to the District's standard Typical Year and 6-hr design simulations in the original development of most of the District's Models. This evaporation rate is now consistently applied to all models to provide a standard approach regardless of modeling platform. This evaporation rate has been

incorporated into the District's standard Typical Year and design rainfall hyetographs distributed with the master models in IW.

3.5 Manning's Roughness

- The existing models have a range of Manning roughness values as determined from the flow monitoring data and hydrologic calibrations performed during the original Phase II facilities planning efforts. The manning roughness values for impervious and pervious runoff surfaces have been used to calibrate the shape of the runoff hydrographs.
- If subcatchments are being revised without new monitoring data to support parameter development, consideration should be made to maintain the original model parameters for the particular subareas being revised.
- If the models are being revised using new monitoring data, either the roughness parameters from the existing model or the following default parameters are recommended as initial parameters to be adjusted based on the calibration. Likewise, these are considered reasonable parameters that can be used for new areas being added to the models when monitoring data or original model calibration information is available:
  - Impervious surfaces = 0.013.
  - Pervious surfaces = 0.045.

  It should be noted the above default parameters represented initial parameters used in several of the District's original facilities plan models that were eventually adjusted based on model calibration.

3.6 Soil Infiltration Parameters

- The original Phase II facilities planning models were developed using a range of parameters and varying approaches for calculating infiltration. The Big Creek, Easterly, and Southerly models used the Horton infiltration method within SWMM RUNOFF. The parameters provided in **Table 3-1** were used as initial model parameters based on soil type, but the parameters were further adjusted based on model calibration. These parameter values are only to be used when new monitoring data or previous calibrated values from the original facilities planning models are not available or determined appropriate.

Table 3-1. Initial Big Creek, Easterly, and Southerly Infiltration Values.

Soil Type	Initial Infiltration Rate (in/hr)	Minimum Infiltration Rate (in/hr)	Infiltration Decay Constant (sec^{-1})
A	10	1.00	0.00115
B	8	0.50	0.00115
C	5	0.25	0.00115
D	3	0.10	0.00115
U	3	0.10	0.00115

Three of the collection system models were developed with a different representation than the Horton infiltration method within SWMM RUNOFF:
    - Westerly used the SWMM RUNOFF routing approach, but used the IW Horton approach for pervious infiltration (modified Horton method).
    - Doan Valley and Heights Hilltop used a fixed runoff surface, which accounts for depression storage but doesn't account for pervious infiltration.
- The IW platform offers two Horton Infiltration algorithms for estimating infiltration losses based on the theoretical Horton Infiltration Method. These options are referred to as Horton and HortonSWMM in IW.
    - The Horton algorithm is based on the modified Horton equations.
    - HortonSWMM algorithm is based on the traditional Horton equations which were used in the EPA SWMM4 and SWMM5 programs.
- If subcatchments are being revised without new monitoring data to support parameter development, consideration should be given to the original model methodology and parameters for the particular subareas being revised.
- If the models are being revised using new flow monitoring data, the HortonSWMM algorithm should be used for all new or recalibrated subcatchments in IW to support transition to a consistent system-wide approach. The starting point for the infiltration parameters should be the values provided in **Table 3-1** with consideration of soil type, and the parameters should be further calibrated based on the flow meter data. In addition, a recovery factor of 0.414/hr should be used, which correlates to a value of 0.1 for the REGEN parameters in the B4 line in the original Big Creek, Easterly, and Southerly SWMM4 input files. Likewise, the values in **Table 3-1** are considered reasonable parameters that can be used for new areas being added to the models without supporting monitoring data or previous model calibration of adjacent subareas of comparable soil type and land use.

3.7 Seasonal Variations

- Seasonal variation of hydrologic parameters has not been used for the development of the District Master Models to date. However, seasonal/monthly variations in the hydrologic parameters should be evaluated if justified by the available calibration data.
    - The hydrologic parameters that typically vary by season are pervious soil infiltration and capture coefficients for separate sanitary systems.
    - Flow monitoring data should be collected to support the development of these seasonally varying parameters.
- Design storm simulations shall utilize summer hydrologic parameters with appropriate antecedent moisture conditions based on the design storm duration.

3.8 Rainfall Dependent Inflow/Infiltration

The District does not currently have prescribed standards or protocols for modeling rainfall dependent inflow and infiltration (RDII) in separated sanitary sewers due to a limitation in the

current version of IW. The District does not believe the current IW version (ICM version 7.0.5) adequately supports RDII estimation and the derivation of its parameter values, specifically RTK values, since the effects of initial abstraction cannot properly be accounted for. Consultants will be expected to adhere to the following RDII standards once an acceptable RTK algorithm is available which allows for the effects of antecedent moisture conditions to be adequately accounted for as part of the derivation of the R, T, and K parameters. This section is provided at this time to allow Consultants to preview the District's intentions.

- The RTK method will be the preferred method for modeling the RDII response for separated sanitary sewer systems in the District's models. Consultants are expected to replace current methods in the District's modeled separated sewer representations when new flow monitoring data is available.
- This method uses up to three triangular unit hydrographs to estimate the actual RDII hydrographs derived from observed rainfall and sewer flow data.
- Each unit hydrograph is characterized by three parameters (R, T, and K) as illustrated in **Figure 3-2** and defined as follows:
    - R = Fraction of rainfall volume that enters system as RDII, also referred to as capture coefficient. The sum of the three unit hydrographs (R1, R2, and R3) allocates total R.
    - T = Time from the start of rainfall event to the peak of the unit hydrograph
    - K = Ratio of time to recession of the unit hydrograph to the time to peak
- The first unit hydrograph represents direct inflows to the sewer system via depressed manhole lids and frames, downspouts, sump pumps, foundation drains, area way drains and cross-connections with storm sewers.
- Inflow typically occurs shortly after a rainfall starts and recedes quickly once it stops and typically accounts for the major component of the RDII peak flow.
- The second unit hydrograph represents the transition of direct inflow responses to delayed infiltration responses to the systems.
- The third unit hydrograph represents the delayed response due to infiltration through soil and enters the sewer via damaged pipes, leaky joints, and/or poor manhole connections.
- During the original model development of the District's models, unique subcatchments representing the slow RDII response from combined areas using DCIA parameters were incorporated into the models. As targeted model recalibration efforts are performed, Consultants are expected to replace these DCIA slow response representations by adding a third unit hydrograph only set of RTK parameters to simulate the delayed infiltration response observed in the meter data in the system.
- The following general guidelines are recommended in selecting R, T, and K parameters:
    - Total R value = $R_1 + R_2 + R_3$.
    - T and K parameters for subcatchments tributary to a common flow monitor since they dependent of the geometry and sewer system layout.
    - In all cases, $T_1 < T_2 < T_3$.
    - In most cases, $K_1 < K_2 < K_3$.

- **Table 3-2** below presents general ranges of T and K values for the three unit hydrographs as published by the EPA. These values are provided as general reference for Consultants to use as initial starting values. Consultants will not be expected to be strictly adhered these ranges if reliable monitoring data is available to support deviation.

Figure 3-2. RTK Unit Hydrograph Method.

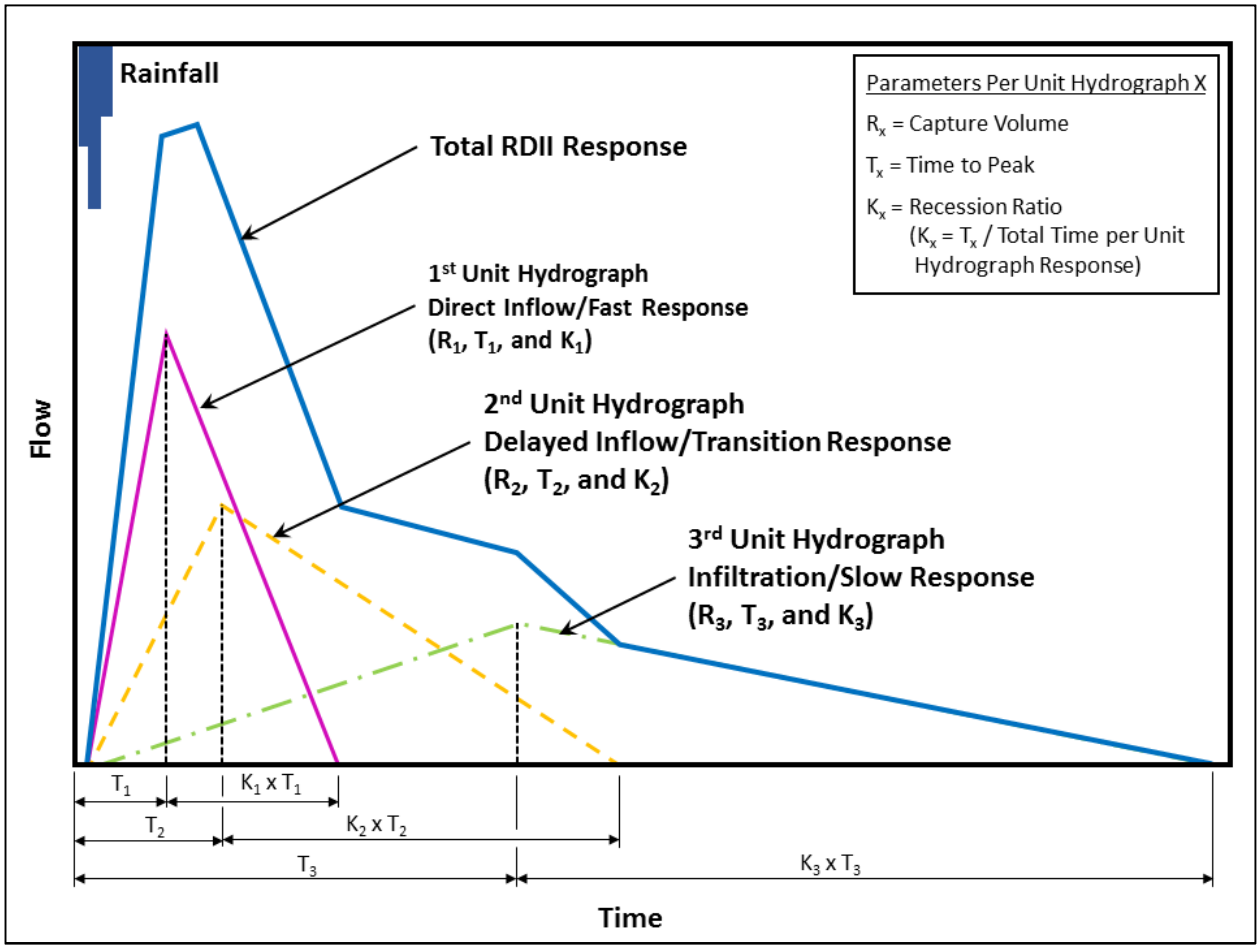


Table 3-2. General Ranges of T and K Values Provided by EPA for Reference.

Unit Hydrograph	T (hr)	K
1	0.5 – 2	1 – 2
2	3 – 5	2 – 3
3	5 – 10	3 – 7

3.9 Dry Weather Flow Representation

3.9.1 Dry Weather Flow and Diurnal Pattern

- The following methodology should be applied when dry weathers flows are revised based on available monitoring data:
    - Develop population estimates for each subcatchment using the methodology outlined in **Appendix C**. This procedure determines an average population per building within each Census block to better approximate the spatial variation of population.
    - Use the most recent census data from the U.S. Department of Commerce Bureau of the Census to determine subcatchment populations. Original facilities planning models were based on 1990 U.S. Census data.
    - Obtain and review the District's Water Quality and Industrial Services (WQIS) Group water user data and discharge permit information for major commercial and industrial sewer customers to account for potentially significant dry weather flows that would not be estimated from population alone. Depending on the anticipated daily variation of usage, these flows could either be accounted for with a diurnal variation or with a constant infiltration/baseflow rate, whichever is deemed more appropriate.
    - Use an average wastewater generation rate that is currently used in appropriate Master Model for calculating the sanitary dry weather flow. This value could be adjusted based on available calibration data.
    - Traditionally, standard diurnal patterns have been developed common to land use coverage or on a system-wide basis for each of the six CSO models.
    - Adjustment of the current diurnal patterns should be based on available calibration data with a minimum of two separate 7-day periods of consecutive day periods of dry weather conditions representative of the entire flow monitoring period. Three separate 7-day periods are recommended.
    - The modeled diurnal patterns should be used for all typical year and design storm simulations rather than a simplification such as a constant flow.

3.9.2 Dry Weather Flow Infiltration

- The Master Models do not explicitly account for temporal/seasonal variation of groundwater or baseflow infiltration rates. Therefore, dry weather infiltration shall be represented as a fixed rate into the collection system unless a variation is required to support a specific project.
- Dry weather infiltration should be calculated as the difference between observed flow and the sanitary dry weather flow calculated from population and other wastewater sources.
- If the dry weather flow simulated by the model is less than the observed flows indicated by the monitoring data (and not attributable to flows generated by populations or industries), infiltration flows should be added in terms of baseflow to account for the difference.

- If the dry weather flow simulated by the model is greater than the observed flows indicated by the monitoring data, a generation factor lower than 70 gallons per capita may be used to more accurately reflect the observed dry weather flow.
- Flow monitoring data preceded by at least three days of no rainfall should be used to quantify dry weather infiltration to avoid the influence of wet weather inflow.

3.10 Subcatchment Naming Convention

- The following naming convention for subcatchments shall followed when performing model calibration based on new monitoring data:
  - Subcatchment IDs shall contain the monitor ID in which its calibrated hydrology parameters were primarily based on. For example, two subcatchments were calibrated based on flow monitor DV45-U1. Individual subcatchment IDs should be DV45U1-01 and DV45U1-02.
  - Land use IDs for contain the monitor ID in which its calibrated hydrology parameters (runoff surfaces) were primarily based on. For example, land use ID associated with monitor DV45-U1 shall be DV45U1.

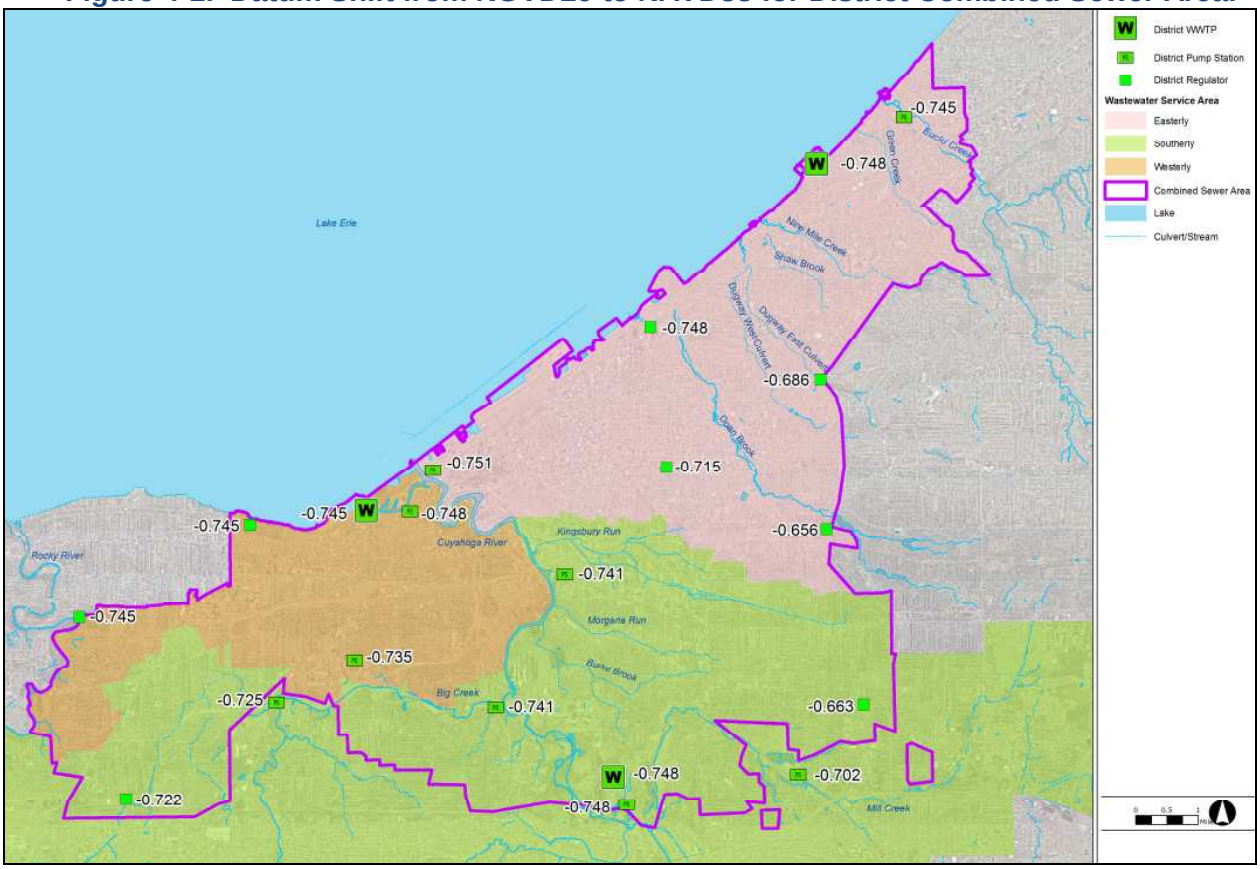
4.0 Hydraulic Modeling

This section describes the hydraulic representation used in the District's CSO Models. The Consultant is responsible to document model changes and updates as described further in Section 7 and to follow the QA/QC protocols as described further in Section 8.

4.1 Geographic Coordinates and Units Convention

- Northing and Easting coordinates used to describe the modeled collection systems shall conform to the Ohio State Plane Coordinates System, North Zone and the North American Datum 1983 (NAD83) datum, measured in U.S. Survey foot. All District Master Models have been developed with this spatial coordinate system.
- Elevations shall be expressed in feet based on the North American Vertical Datum of 1988 (NAVD88). The original District Master Models were developed based on the National Geodetic Vertical Datum of 1929 (NGVD29), but have since converted to NAVD88. The differences between the datums are shown in **Figure 4-1** for select locations within the District combined sewer area. The datum conversion was performed using both the VERTCON and CORPSCON software tools and identical results were obtained. The VERTCON program is available as an element of the National Oceanic and Atmospheric Administration Geodetic Toolkit to support the transformation between the NAVD88 and NGVD29 datums based on the Latitude and Longitude of the location of interest (http://www.ngs.noaa.gov/TOOLS/Vertcon/vertcon.html). The US Army Corps of Engineers CORPSCON software is available free of charge (http://crunch.tec.army.mil/software/corpscon/corpscon.html). As shown in the figure, the vertical datum difference is not a constant value and varies across the service area. However, the variation is small enough that a constant value may be assumed without a significant difference in accuracy. Consultants are permitted to apply a -0.70 feet datum shift to convert from NGVD29 to NAVD88.
- Drawings obtained from the District's EIT group may express elevations in terms of an old City of Cleveland datum. Consultants shall add 574.12 ft to the elevations from these sources to convert to the North American Vertical Datum 1988 (NAVD88).
- The English system of units shall be used for all other parameters used in the model to describe the collection system and its generated results. Flow rates shall be reported in million gallons per day (MGD) and volume shall be reported in million gallons (MG).

Figure 4-1. Datum Shift from NGVD29 to NAVD88 for District Combined Sewer Area.



4.2 Manholes/Model Nodes

- Consultants shall follow the following naming convention when updating the models:
  - Proposed structures for design projects shall follow the naming convention provided in **Appendix K**. Consultants are also expected to implement this naming convention in development of their respective design drawings so model and drawings agree. Consultants shall contact the District PM for additional clarification and/or questions regarding this convention.
  - Existing District-owned manhole structures shall follow a naming convention consistent with the IDs provided in the District's GIS manhole feature class layer when expanding and/or modifying structures within the models. Consultant are encouraged to update existing node IDs within their respective project area based on GIS manhole IDs provided in the District's GIS.
  - Existing community-owned manhole structures shall follow a naming convention based on the combining of the street name in which the sewer is located within or parallels with respect to the direction of flow and a unique numerical ID (i.e., Woodland-01).
  - Existing District regulator and flow divider structures shall follow a naming convention consistent with the IDs provided in the District's GIS regulator feature

class layer when expanding and/or modifying structures within the models (e.g., E-47X).
    - Consultants shall track previous model node IDs by populating the "Asset ID" field in the model framework with the previous node ID that was replaced.
    - For regulator/flow divider structure components: In many cases, additional nodes will be required at regulator structures to account for weirs, orifices, or other control structures. The name of the additional nodes shall contain the name of the regulator structure with which it is associated, appended with "-SW" or "-DW" to indicate stormwater outlet or dry weather outlet, respectively. For example, if the dry weather outlet from a regulator consists of an orifice, then a dummy node named as the regulator node followed by -DW shall be created to model the point of connection of the orifice to the dry weather outlet sewer.
    - For all other dummy nodes: Dummy nodes can also be used to model changes in pipe slope, diameter, and/or blind connections. The name of the dummy node shall contain the name of the next upstream manhole with which it is associated, appended with "-DN". If more than one dummy node is necessary along a specific sewer segment, then a sequential numbering system after the "-DN" may be used, such as "-DN1", "-DN2", etc.
- Entrance and exit head losses in manholes should be set to zero as default. Upstream and downstream conduit loss types should be set to "None" in IW. In special circumstances, such as sharp angles in a pipe network, additional manhole losses may be considered. Note that user-specified head losses due to the transition between manholes and conduits are assigned to the individual nodes in MU. For consistency in the converted models in IW, the head losses have been assigned to the upstream ends of the individual conduits in IW.
- By default, manholes shall be represented as "Stored" in IW and "Normal" in MU. This option allows the software programs to store excess flows exceeding the rim elevation during flooding conditions and return back to the conveyance system when capacity is available. The size of the floodable area above the rim elevation shall be defined by software program defaults if site-specific knowledge is not available. Other flood types are permitted if justified.
- Bolted manholes and force main junctions shall be represented as "Sealed" nodes to allow the HGL to exceed rim elevation without surface flooding.
- Break nodes in IW should be avoided unless a compelling case can be made for their use. The Consultant should demonstrate that using break nodes does not cause model instabilities.
- Rim and invert elevations and geometry of existing manholes shall be based on the most recent record drawings available. Other sources, such as field inspections and surveys, could be permitted if justified. For planned projects or alternative evaluation modeling, this information should be estimated based on the best information available.
- Standard manholes should have a diameter of four feet, or a cross-sectional area of 12.56 square feet (sf) as the default value. If the manhole is larger and represented in

the model, the actual surface area should be specified in IW or the equivalent diameter should be specified in the MU platform.

- Storage nodes should be used to represent available storage in regulator structures as deemed necessary and for control facilities such as RTB and EHRT facilities. Stage-storage relationships shall be based on the most recent record drawings available. For planned projects or alternative evaluation modeling, this information should be estimated based on the best information available. Tunnels should be represented explicitly as conduits. Model celerity (Preissmann slot width) may need to be adjusted in IW to avoid excessive artificial storage volume in the storage tunnel conduits.
- "System Type" in IW and "Network Type" in MU shall be appropriately specified. The Consultant shall refer to the District's GIS to confirm designated system type.
- For all other manhole parameters, default software generated values shall be permitted if no other information is available. The Consultant is responsible for ensuring the software generated default values are reasonable.

4.3 Conduits

- Conduits should be defined by the upstream node name, a dot, and a number or letter defining if it was the first link to be defined from the node ("1"), the second ("2"), and so on. For example, the first link to be defined out of node *BCUSA010* would be named *BCUSA010.1.*
- A variation of this was used in previous modeling efforts for the MU-based CSO models where the symbol "l" was used in place of a dot. The use of the symbol "l" is no longer acceptable when adding new link elements to the MU models. It is the District's intention to eventually revise the existing pipe IDs over time to conform to the official naming convention.
- Invert elevations shall be based on the most recent record drawings available. Other sources, such as field inspections and surveys, could be permitted if justified. For planned projects or alternative evaluation modeling, this information should be estimated based on the best information available. Section 2 describes the data sources that may be used to support model revisions.
- Conduit length, shape, and size should be based on the latest available field survey and/or record/as-built drawings. Section 2 describes the data sources that may be used to support model revisions.
- Hydraulically equivalent conduits may be used when necessary for model stability or otherwise. The minimum computational length in MU was set as 32.8 feet, and the software automatically lengthened any conduit with shorter length to assist in satisfying the Courant Criteria to reduce the possibility of model instabilities. The software did not perform any additional changes to the inverts or roughness factor, and the slope and capacity were therefore changed with the lengthening. Therefore, the lengths in the Master Models that have been converted from MU to IW were manually changed to 32.8 feet to provide the same capacity as represented in MU. For any new conduits added to the models that need to be lengthened for stability purposes, an equivalent Manning roughness coefficient should be calculated to maintain the true full pipe

capacity. Data flags should be used to identify these conduits and documentation should clearly explain the reason for using the equivalent conduits and the method of calculation used.

- Hydraulic friction losses for all new conduits, except those specified as a pressurized conduit and/or force main, should be calculated based on Manning's roughness. It should be noted that previous modeling efforts for the Westerly and Doan Valley IW models specified the Colebrook-White method for calculating the friction losses. This method is no longer acceptable for use with the District's CSO Models. All new links, except those specified as a pressurized conduit and/or force main, should specify the Manning's roughness for calculating friction losses. The District anticipates that the existing links with the CW methodology specified will be revised over time to agree with the current modeling standards.
- **Table 4-1** below provides recommended values of Manning's roughness coefficients for pipe materials typically encountered in the District's collection system. The list is primarily based on roughness values used in previous CSO modeling efforts. The Consultant shall use this list of roughness values when only the pipe material information is available. Deviation from these values may be permitted to support calibration of flow depth and/or to account for structural deterioration and deposits of gravel and debris in the model.

Table 4-1. Recommended Values of Roughness Coefficient.

Conduit Material	Abbreviation	Manning Roughness	Hazen Williams
ABS	ABS	0.0125	140
Brick	BRK	0.017	100
Cast In Place Concrete	CIP	0.0143	120
Cast Iron Pipe	CAS	0.0143	100
Centrifugally Cast Fiberglass Reinforced Polymer Mortar/HOBAS	FRP	0.013	140
Concrete Pipe (non-reinforced)	CP	0.015	120
Corrugated Metal Pipe	CMP	0.024	100
Ductile Iron Pipe	DIP	0.0143	100
Polyethylene	PE	0.0143	140
Polyvinyl Chloride	PVC	0.0125	140
Reinforced Concrete Pipe	RCP	0.015	120
Reinforced Plastic Pipe (Truss Pipe)	RPM	0.0143	140
Segmented Block	SBK	0.020	100
Steel Pipe	SP	0.0143	110
Stone	STN	0.017	100
Vitrified Clay Pipe	VCP	0.0143	110

- Hydraulic friction losses for all new links specified as pressure and/or force mains should be calculated based on the Hazen-Williams method. **Table 4-1** provides recommended values of Hazen-Williams' roughness coefficients for pipe materials

typically encountered in the District's collection system. Consultants shall use this list of roughness values when only the pipe material information is available. Deviation from these values may be permitted to support calibration and/or to account for structural deterioration in the model.

- "System Type" in IW and "Network Type" in MU shall be appropriately specified. The Consultant shall refer to the District's GIS to confirm designated system type.
- For all other conduit parameters, default software generated values shall be permitted if no other information is available. The Consultant is responsible for ensuring the software generated default values are reasonable.

4.4 Pump Stations

- Pump types, operational protocols, base levels, on/off levels and head-discharge relationships shall be represented based on District's pump station manuals or as-built drawings. Missing information should be obtained from the pump manufacturer as applicable.
- Each pump shall be represented as an individual pump element with its own operational protocol and characteristics curve. Representation of multiple pumps as a single pump element shall not be used unless justified by the Consultant and approved by the District.
- Pumps representing the firm capacity of the pump station shall be included (i.e., stand-by pumps should not be represented unless justified).
- Wet wells shall be represented as storage nodes and the geometry based on the latest available field survey and/or record/as-built drawings.
- "System Type" in IW and "Network Type" in MU shall be appropriately specified. The Consultant shall refer to the District's GIS to confirm designated system type.
- For all other pump station parameters, default software generated values shall be permitted if no other information is available. The Consultant is responsible for ensuring the software generated default values are reasonable.

4.5 Hydraulic Control Elements (Weirs, Orifices, Sluice Gates, User Controls, and RTC)

The following sections describe the standards pertaining to hydraulic control elements, including weirs, orifices, sluice gates, and user controls. The control elements are primarily used for flow control at regulator structures and flow dividers, which in most cases typically include an orifice or sluice gate to divert dry weather flow to the interceptor and a weir to divert wet weather flow to a storm sewer or a CSO treatment facility. The control elements could be static or dynamically operated based on Real Time Control (RTC) logic.

4.5.1 Weirs

- The shape of the weir, dimensions, crest elevation, and opening height (IW only) shall be based on the latest available field survey and/or record/as-built drawings.

- The various models have been developed using different assumptions for the discharge coefficients, and a range in values is likely to be found in the Master Models. However, if new structures are added or revised within the MU framework, the discharge coefficient should be evaluated. In general, the default discharge coefficients provided in both the IW and MU software packages are larger than typical values and shall not be used. Within the MU framework, a default weir discharge coefficient of 0.40 is recommended. Within the ICM framework, a default primary discharge coefficient of 0.56 and a default secondary discharge coefficient of 1.0 are recommended. A detailed explanation is provided in **Appendix D**. Different values are permitted if supporting documentation is provided with submitted project models.
- The naming convention for conduits shall be applied to the naming of weir elements in the District's CSO Models.
- "System Type" (referred to as "Network Type" in MU) shall be appropriately specified. The Consultant shall refer to the District's GIS to confirm designated system type.
- **Appendix E** provides guidelines for the modeling leaping weirs and leaping weirs with a downstream transverse weir component.

4.5.2 Orifices

- The shape of the orifice, dimensions, and invert elevation shall be based on the latest available field survey and/or record/as-built drawings.
- In MU, an orifice can be defined as circular, rectangular, or with a user-defined cross section. It should be noted that RTC controls cannot be applied to circular orifices in MU and orifices must therefore be represented as equivalent rectangular orifices if RTC logic is required. A user-defined cross section is discouraged due to erroneous orifice depth/flow calculations that have been observed in some cases. Assumptions shall be clearly documented in the model if an equivalent orifice representation is used.
- In IW, the shape of the orifice can only be defined as circular. Rectangular orifices are represented as sluice gate elements (discussed in the following section) or as a circular orifice with an equivalent diameter or flow area in IW. By default, a non-circular or non-rectangular shape should be represented with a sluice gate element with a height equal to the actual height and a width determined so that the total orifice area is equivalent to the actual orifice area. An explanation shall be provided and clearly documented in the model if an equivalent diameter or width is used. The calculation of flow and head through orifices in MU is rather complex and is based on a series of formulations rather than a standard orifice equation across the range of head and flow conditions. MOUSE uses a complex formulation derived from a combination of energy and/or momentum equations for a range of four flow conditions consisting of free overflow, submerged overflow, free underflow, and submerged underflow. A matrix of depth/flow relationship is generated for each orifice at the simulation start to describe the flow for a range of upstream and downstream water level conditions. The discharge coefficient, if specified in the MOUSE input file, does not correspond to a true discharge coefficient. Rather, it is actually a linear scaling factor for the computed

flows, to be applied for the entire range of possible hydraulic conditions. The MOUSE algorithm includes the effects of vertical and horizontal contraction, which implies that the default orifice coefficient of 1.0 should apply for an ideal sharp-angled orifice with a given geometry. To better assess the range of the equivalent orifice coefficients for submerged conditions as computed by the model, two example cases were examined by the PMO. It was found that the equivalent coefficients varied between the test cases even for similar ratios of head difference to upstream depth (ΔH/H). For smaller depth ratios under the submerged condition (ΔH/H of approximately 1/3), the equivalent discharge coefficient (Cd) ranged from approximately 0.71 to 0.78 for the two example cases when a modeled coefficient of 1.0 was applied. It is possible that more variation would also be observed for different configurations. The equivalent Cd decreased to a fixed value of approximately 0.6 as the depth ratio increased (ΔH/H of approximately 3/4 and above) with the modeled coefficient of 1.0. Therefore, based on this evaluation and technical support provided by DHI, the appropriateness of a default value of 1.0 has been determined to provide an equivalent orifice coefficient that is reasonable with respect to commonly published values. This value may be varied within published literature ranges if actual or proposed site specific conditions are known to justify a different Cd. Explanation for the use of a different Cd value shall be provided and clearly documented in the model.

- The IW orifice framework differs significantly from that in MU, with standard orifice and weir equations being applied rather than a depth-dependent formulaic representation.
  - The standard orifice equations are used when the upstream depth is above the orifice height, and the orifice discharge coefficient (Cd) value is specified with the primary coefficient, which has a default value of 1. When applied in the IW submerged orifice equation framework ($Q = \bar{C}_d\, A\, \sqrt{gH}$), the default value is equivalent to a Cd value of 0.71 in the framework of the standard orifice equation ($Q = C_d\, A\, \sqrt{2gH}$), since $\bar{C}_d = C_d / \sqrt{2} = 1/\sqrt{2} = 0.71$. This coefficient of 0.71 is within reasonable range of commonly used Cd values for different orifice geometries for the standard submerged orifice equation with respect to commonly published values. This value may be varied within published literature ranges if actual or proposed site specific conditions are known to justify a different Cd. Explanation for different values shall be provided and clearly documented in the model. When the models that were developed in MU were imported into IW, a value of 0.94 was used for the primary discharge coefficient to better match the previous MU results.
  - When the orifice is partially full upstream, the flow characteristics are determined by the thin plate rectangular weir model. The weir coefficient of discharge used is the secondary discharge coefficient, and an effective rectangular width is used as the weir width as defined by the orifice area divided by the orifice diameter. The default value of 1.0 is recommended for the secondary discharge coefficient. When the models that were developed in MU were imported into IW, a value of 1.0 was used for the secondary discharge coefficient to provide a reasonable match the previous MU results.

- The naming convention for conduits shall be applied to the naming of orifice elements in the District's CSO Models.
- "System Type" in IW and "Network Type" in MU shall be appropriately specified. The Consultant shall refer to the District's GIS to confirm designated system type.

4.5.3 Sluice Gates

- The shape of the sluice gate, dimensions, and invert elevation shall be based on the latest available field survey and/or record/as-built drawings.
- Sluice gates provide the functionality of representing a rectangular orifice element.
- Sluice gate elements are not available nor needed in MU since both circular and rectangular orifices can be defined with an orifice element.
- A value of 1 is used in IW as the default discharge coefficients for a sluice gate or orifice. The appropriateness of this default value has been evaluated and was determined reasonable with respect to commonly published values in the U.S. (refer to the previous Orifice section for additional explanation).
- The maximum opening should be set at the full height of the sluice gate unless recommended differently by the District.
- The minimum opening should be set at zero unless recommended differently by the District.
- In IW, the threshold should be set at 0 ft by default. The Consultant may adjust this value as necessary based on available calibration data to minimize gate oscillation.
- Recommended opening and closing speeds for all RTC controlled devices should be based on actual speeds if that information is available or determined at the time of the modeling. For proposed structures these values should be assigned based on the discretion of the designer. If the speed has not been determined, then a recommended default value is a five-minute duration to travel from the fully open position to its fully closed position or vice versa. For example, the speed for a 10-ft high sluice gate should be set at 0.033 ft/sec.
- The naming convention for conduits shall be applied to the naming of sluice gate elements in the District's CSO Models.
- "System Type" in IW and "Network Type" in MU shall be appropriately specified. The Consultant shall refer to the District's GIS to confirm designated system type.
- For all other sluice gate parameters, default software generated values shall be permitted if no other information is available. The Consultant is responsible for ensuring the software generated default values are reasonable.

4.5.4 User Controls

- The Consultant is encouraged to consider using the User Control elements for atypical hydraulic elements, such as vortex valves, where the hydraulics are better represented by head-discharge relationships rather than with the orifice, weir, or other built-in representations.

- Manufacturer's head-discharge relationships should be obtained from the District or directly from the manufacturer and used as the basis for developing a set of hydraulically equivalent elements.
- If the head-discharge relationship is not available, it should be developed via other methods (e.g., detailed calculations or software programs) and used as the basis for developing a set of hydraulically equivalent elements.
- The naming convention for conduits and nodes shall be applied to the naming of equivalent elements in the District's CSO Models.

4.5.5 Real Time Control (RTC) Logic

- Standard RTC protocols and associated set points used to operate existing sluice gates, weirs, pumps, and inflatable dams in the collection system should be obtained from the District. Any assumptions required should be discussed with the District and clearly documented in the model.
- RTC protocols that use multiple set points (primary and secondary) that could not be represented directly in IW or MU should be simplified and discussed with District. Documentation of the simplified protocol should be included in the model.
- Representation of RTC protocol should be verified to ensure that numerical instabilities are not introduced to the model.
- RTC protocols for proposed projects should be discussed with the District. Any assumptions should be approved by the District and clearly documented in the model.

4.6 Backflow Prevention/Flap Gates

- The shape of the flap gate, diameter, and invert elevation shall be based on the latest available field survey and/or record/as-built drawings. Any necessary assumptions should be discussed with District and documented in the model.
- The MU framework allowed the prevention of backflow through a conduit element without the need for a loss associated with the structure or for a separate element to represent the flap gate. The IW framework requires a separate element to represent the flap gate structure.
- The discharge coefficient for flap gates in IW differs from the orifice representation. In the case of flap gates, a discharge coefficient of 1 corresponds to a typical head loss through a flap gate. To reduce the head loss associated with the flap gate, the discharge coefficient needs to be less than 1. When the models that were developed in MU were imported into IW, a value of 0.01 was used for the flap gate discharge coefficient to reduce the losses to more closely match the previous MU results. For new flap gate modeling, a discharge coefficient of 1 should be used to provide a closer representation to standard hinged flap gates, unless other information is available. For example, if additional detail or refinement is necessary, such as a head-discharge relationship for Tide Flex flap gates, a flap gate with a coefficient of 0.01 can be incorporated downstream of a user control for representation of the hydraulic relationship. The head-discharge relationship should be obtained from the

manufacturer. If any assumptions are required, they should be discussed with the District and documented in the model.

- "System Type" in IW and "Network Type" in MU shall be appropriately specified. The Consultant shall refer to the District's GIS to confirm designated system type.
- For all other flap gate parameters, default software generated values are permitted if no other information is available. The Consultant is responsible for ensuring the software generated default values are reasonable.

4.7 Siphons

- The diameter and invert elevations shall be based on the latest available field survey and/or record/as-built drawings.
- Siphons shall be represented using conduits with dummy nodes if necessary to represent any change in invert slope.
- Manhole Type for dummy nodes should be set at "sealed" to allow for surcharge.
- Additional head losses may be incorporated into the representation if deemed necessary to represent the siphon hydraulics.
- The naming convention for conduits shall be applied to the naming of Siphon elements in the District's CSO Models.

4.8 Over-Under Sewers (Invert Plates)

- By default, it is assumed that all invert plates function as originally designed when modeling over-under sewers.
- If missing invert plates are to be represented in the model framework, the missing invert plate can be represented either as an orifice or with the guidelines for leaping weirs provided in **Appendix E**, whichever is deemed more appropriate for the particular scenario. With an orifice representation, the opening size should correlate to the dimensions of the invert plate, and the coefficient and orifice invert elevation should be determined to represent the local conditions. With a leaping weir representation, the opening size should correlate to the dimensions of the invert plate.
- The basis of the parameter values shall be clearly documented per protocols described in the Documentation Section.

4.9 Boundary Conditions

- A fixed water level of 573.8 ft NAVD88 shall be used for typical year and design storm simulations outfalls discharging to Lake Erie, Rocky River, and Cuyahoga River. This elevation was identified during the facilities planning studies as representing the 95th percentile water level elevation in these water bodies.
- For historical storm simulations (e.g., for model calibration/verification), observed river/lake water elevations obtained during the same monitoring period shall be used if it is available and if it is found to have an influence on the collection system hydraulics.

- Some of the District's CSO models require upstream level/time series boundary conditions from upstream CSO models to account for inter-basin connections. The District has developed the necessary level/time series and these will be provided as part of the Project Model.

5.0 Model Assessment and Calibration

Consultants shall implement the following standards and protocols when assessing existing model performance and conducting model calibrations for the District's collection system models when monitoring data is available. These standards and protocols are based on the standards published by the Chartered Institution of Water and Environmental Management's (CIWEM) Urban Drainage Group, formerly known as WaPUG, *Code of Practice for the Hydraulic Modeling of Sewer Systems version 3.001* with some criteria being more stringent as elected by the District.

These standards are more stringent than those established during the development of the District's original CSO models. Therefore, differences between these and the original CSO model calibration/verification process do exist. However, the District requests that these standards to be adhered to for future modeling activities to appropriately support design and Consent Decree compliance efforts.

5.1 Required Approach

Consultants are required to implement the following approach for model calibration and assessing existing model performances meet the District's performance criteria when comparing to available monitoring data.

- Consultants are required to familiarize themselves with all documentation and data associated with flow monitoring program.
- Final assessment of existing model performance and/or calibration quality in determining the models met the District's criteria are to be based on a continuous simulation of the entire monitoring period.
    - Consultants are permitted to perform preliminary checks while developing calibration parameters based on discrete simulations focusing on key observed events most representative of the District's typical year and/or design storms (see **Appendix B**) as part of initial/draft efforts.
- Documentation, as set forth in **Section 5.4**, shall be submitted to the District for all model assessments and calibration efforts.
- Model verification is <u>not required</u> since calibration efforts are to be performed based on continuous simulations of the entire monitoring period. Verification was only beneficial during traditional calibration efforts that were based on discrete simulations which focused on smaller selected group of observed rainfall events in developing an overall set of calibration parameters for a monitor.

5.2 Rainfall Event Criteria

Consultants shall confirm the available flow monitoring program provides sufficient data to adequately support model assessment and calibration of the District's CSO models. Ideally, the following criteria will be satisfied by the FMP. Due to the natural variability of rainfall and

limitations inherent by factors such as the duration of monitoring and data availability, the District realizes that it may be difficult to meet all of these criteria. The Consultant should coordinate with the District's PM to confirm agreement the data is adequate to support the District's modeling needs.:

- At least two dry weather periods are available to support DWF calibration, each lasting seven consecutive days and not within the same month.
- At least five (5) acceptable storm events are available at each monitor where confidence in the monitoring data is high. Ideally these events are of comparable size to the larger typical year rainfalls (Storm 54, 60, 86, and 88) and/or 5-yr, 6-hr design event.
- The period between events should be sufficient for the flow to return to dry weather conditions. An inter-event period of 12-hrs is a recommended standard to be used in developing rainfall event statistics.
- Calibration should include events representative of summer with dry antecedent moisture conditions to allow the development of the hydrologic parameters to be used with design storm simulations.

5.3 Expected Accuracy

5.3.1 Dry Weather Flow Criteria

- At least two dry weather periods, preferably three, are identified and used to support DWF calibration.
  - Each period lasting seven consecutive days and not within the same month.
- Observed versus predicted DWF calibration comparisons should closely follow each other both in shape and in magnitude.
- Flow hydrographs should meet the following criteria:
  - Timing of the peaks and troughs should be within 1 hr.
  - Peak flows should be in the range ±10%.
  - Volume of flow should be in the range ±10%.
  - Depth of flow shall be in the range ±0.33 ft.

5.3.2 Wet Weather Flow Criteria

- All rainfall events with a peak hourly rainfall intensity greater than or equal to 0.25 in/hr shall be used and held to criteria for wet weather calibration.
- Events with rainfall depths smaller than 0.20 inches and intensities smaller than 0.25 in/hr may be used for development of hydrologic parameters, such as depression storage, but are considered too small for model calibration.
- Observed versus model-predicted WWF calibration comparisons shall closely follow each other both in shape and in magnitude, until the flow has substantially returned to dry weather flow conditions.

- Observed and model-predicted hydrographs shall meet the following criteria in at least 60% of the rainfall events observed during the flow monitoring program meeting or minimum event criteria identified previously in this section.
    - Timing of the peaks and troughs shall be similar to the event durations.
    - Peak flows at each significant peak shall be in the range -15% to +25%.
    - Volume of flow shall be in the range -10% to +20%.
    - Surcharged flow depths shall be in the range -0.32 ft to +1.64 ft.
    - Unsurcharged flow depth shall be within the range ±0.33 ft.
- Predicted flooding locations shall be substantiated by some evidence of observed flooding or a clear explanation for there being none.
- An attempt should be made to reproduce flooding that was observed during flow monitoring. If observed flooding is not reproduced in the model, the potential cause(s) of flooding and potential reasons for not reproducing it in the model should be clearly identified and documented.

5.4 Documentation

- Documentation shall be provided to show the acceptability of the calibration efforts. Example documentation is provided in **Appendix H**.
- At a minimum, the documentation should include the following items:
    - Regression plots of model versus meter peak flow rates for the individual events. Plots should include best-fit trend line/equation and identification of outlier events.
    - Regression plots of model versus meter total event volumes for the individual events. Plots should include best-fit trend line/equation and identification of outlier events.
    - Time series plots of the all individual events showing model and meter time series for flow in addition to depth as appropriate. Time series plots should include comparison table of peak flows, peak depths, and total volumes.
    - Velocity-Depth scattergraph for each meter showing the model and meter time series for entire flow monitoring period.
    - Consultant is expected to identify individual events per meter location that do not meet the District's calibration criteria, referred to as outliers, and provide an explanation for not meeting criteria.
- Consultants are to provide a summary of calibration results per meter discussing the following, if applicable:
    - Number of events meeting the criteria for flow, depth, and volume.
    - Events identified as outlier events accompanied with an explanation justifying the decision.
    - Unforeseen issues not identified during the flow monitoring program that may have prevented the District's calibration criteria from being achieved.
    - Specific modeling techniques implemented into the model to support calibration performance.

6.0 Model Simulation Setup

This section describes the standards and protocols relevant to conducting simulations in the District's CSO Models. The Consultant is responsible to ensure QA/QC of the model set-up and results as described further in Section 8.

6.1 Software Version

- Consultants shall perform all modeling work using the same IW or MU software version as the District provided copy of the official CSO Model unless prior approval has been granted by the District.
- Consultants are responsible for obtaining the appropriate software versions with associated unicode date.
- Consultants may request permission to use a newer version of the District software if a newer version is more applicable to the specific project needs.
- Consultants must provide justification and obtain District written permission to use a different software version.
- Consultant must demonstrate to the District that the model results generated by the official and substituted software version are within acceptable agreement based on the following validation procedure outlined in **Appendix F**.

6.2 Time Step

- The simulation time step shall be set at 30 seconds for all simulations in IW. Time steps may be varied automatically by the software platform to ensure convergence of the iterative Newton-Raphson Method. A complete list of network simulation parameters, provided in **Appendix G**, shall be used to control the time step halving and iterations allowed.
- In MU, a variable time step can be specified to minimize the simulation time. The minimum and maximum simulation time steps shall be set at 1 second and 60 seconds, respectively for all simulations. The default value of 1.30 may be used for the "Increase Factor" which defines the increment at which the software varies (i.e., increase or decrease) the time step during iterative calculations until a valid solution is obtained.
- Reporting time steps for IW and MU shall be set at 5 minutes and 15 minutes, respectively, for all simulations used to quantify CSO statistics. This would equate to using a value of 10 for Reporting and Gauge Time Step Multipliers in IW.

6.3 Solution Techniques

- SWMM routing routine shall be used as the hydrology solution model.
- The St Venant equations are specified as the required flow routing solution method.

- **Appendix G** provides a complete list of network simulation parameters that shall be used for the District's CSO Modeling efforts in IW. A comparable set of network simulation parameters are not available for MU as these parameters are not user defined.

6.4 Design Storm Events

- 6-hour and 1-hour design storms have been developed to estimate required CSO control facilities sizes and used in previous water quality modeling efforts for receiving streams and Lake Erie. Hyetographs for these design storms are presented in **Appendix B**.
- Design storm hyetographs have been incorporated into the IW and MU modeling frameworks. In IW, this data is located in the Rainfall Group/Design Storms section. For MU, this information is located in the E3 lines of the SWMM4 input files that represent the hydrologic component of the MU Models.
- Design storm events shall be performed as single event simulations using the start and stop times as presented in **Table 6-1**.
    - Start times correspond to 6 hours prior to the start of rainfall.
    - Stop times correspond to 10 hours after rainfall ends for individual rainfall events. Consultants may extend simulation stop times to accommodate project needs if necessary.
- Hot start or state files shall not be used for any simulation for consistency with previous simulations. If the consultant feels that hot start files should be used to represent particular conditions, this should be discussed further with the District.

Table 6-1. Start and Stop Times for Design Storms and Typical Year Simulations.

Event	Simulation Start Date/Time	Rainfall Start Date/Time	Simulation Stop Date/Time	Duration (min)
5-yr, 6-hr	5/10/1999 18:00	5/11/1999 0:00	5/12/1999 6:00	2,160
2-yr, 6-hr	5/12/1999 18:00	5/13/1999 0:00	5/14/1999 6:00	2,160
1-yr, 6hr	5/14/1999 18:00	5/15/1999 0:00	5/16/1999 6:00	2,160
6-mon, 6-hr	5/16/1999 18:00	5/17/1999 0:00	5/18/1999 6:00	2,160
4-mon, 6-hr	5/18/1999 18:00	5/19/1999 0:00	5/20/1999 6:00	2,160
1-mon, 6-hr	5/20/1999 18:00	5/21/1999 0:00	5/22/1999 6:00	2,160
Typical Year	1/1/1993 0:00	varies	1/1/1994 0:00	525,600

- Standard design storm hyetographs based on 15-minute rainfall increments have been adopted and are available for Consultant use if needed for particular project needs. A summary of available design storm hyetographs in 15-minute rainfall increments is provided in **Appendix B**.

- These finer design hyetographs were borrowed from the District's 2006 Regional Intercommunity Drainage Evaluation (RIDE) Study which employed the Illinois State Water Survey Bulletin 71 and a SCS Type 2 distribution.
- District approval is required if finer rainfall time series is deemed necessary by the Consultant.

6.5 Typical Year

- The District's synthetic typical year rainfall consists of 121 individual rainfall events statistically derived from historical precipitation data obtained from the Hopkins Airport gauge. A summary of the 121 representative rainfall events that make up the District's typical year is provided in **Appendix B**.
- Typical year rainfall shall be used to quantify annual CSO frequencies and volumes, which are evaluated using discrete simulations to be consistent with original LTCP project development and CSO reporting.
    - There are 20 of the 121 events in the typical year rainfall that have been grouped into 10 pairs to be simulated as continuous back-to-back events (see **Appendix B**). These 10 back-to-back event pairs are to be setup and ran as discrete simulations in IW.
- An evaporation rate of 0.1 in/day is applied to each event in modeling simulations regardless of modeling software platform used.
- The typical year top eight events may be ran discretely using start and stop times as provided in **Table 6-2**.
    - Start times correspond to 6-hours prior to the start of rainfall.
    - Stop times correspond to 10 hours after rainfall ends for individual rainfall events. Consultants may extend simulation stop times to accommodate project needs.
- It is expected that CSO activations would not occur beyond these top 8 events for Consent Decree (i.e., recommended plan) conditions; however, Consultants are responsible for verifying that no additional CSO activations are predicted outside these 8 events for any unforeseen reason. Consultants evaluating CSO performance using Baseline Conditions Models should run the entire typical year events.

Table 6-2. Start and End Times for Top Eight Typical Year Storm Events.

Typical Year Storm	Start Time	End Time	Duration (min)
54	6/7/1993 9:00	6/8/1993 10:00	1,500
60	6/27/1993 11:00	6/28/1993 4:00	1,020
68-69	7/28/1993 10:00	7/30/1993 8:00	2,760
81	9/2/1993 1:00	9/3/1993 14:00	2,220
86	9/15/1993 13:00	9/16/1993 21:00	1,920
88	9/25/1993 9:00	9/26/1993 21:00	2,160
99	10/30/1993 3:00	11/1/1993 10:00	3,300

- It should be noted that the typical year was developed from a time series of 1-hr rainfall increments since that was the refinement of the original rainfall data. District approval is required if a finer rainfall time series is deemed necessary by the Consultant.

6.6 CSO Volume and Frequency Statistics

This section outlines the protocols for generating the CSO Volume and Frequency Statistics for the IW and MU software platforms.

- District or its designated Model Manager shall supply the Consultant with an MS Excel file that has been set up to assist in quantifying CSO volume and frequency statistics for the particular Project Model (See **Appendix I**).
- The Consultant is responsible for verifying that the identified list of weirs/conduits for quantifying CSO statistics is complete and appropriate for their specific project needs.
- CSO statistics shall be compiled using the built-in Statistical Reports tool following the steps outlined below:
  1. A pre-developed statistics template was developed and provided with the Project Models to assist in compiling CSO statistics. Consultants are responsible for verifying that all modeled weir elements associated with their project are accounted for and assigned to the appropriate permitted CSO before using the provided statistics template.
  2. Drag/drop all typical year simulation results, along with the statistical template, into the Statistical Reports tool to compile statistics.
  3. Copy/paste the entire “Exceedance Summary” table into the “PasteHere” worksheet with the curser positioned in cell A1 at the start.
  4. Verify all modeled overflow elements are accounted for and assigned to the appropriate permitted CSO in the “DataConsolidation” worksheet. Consultants using the spreadsheet template are responsible for all regulators and CSOs impacted by their project. The following criteria was used in defining a CSO event:
     a) Discharge over overflow weir must be greater than 0 MGD.
     b) CSO volume per event must be greater than or equal to 0.01 MG.
  5. Verify appropriateness of the individual typical year storm results in the ”DataConsolidation” worksheet which has been set up using two tables to allow some manipulation of the raw model results based on engineering judgment of the results. The table on the left, Columns DZ:IP, are the raw model results and are not to be edited. The table on the right, Columns E:DU, are intended to be the final presentation of the results. The volume results in the right table may be over-written if a detailed review of the model results indicates a false positive CSO activation. False positive activation can be caused by common modeling nuances, such as those listed below:
     a) Artificial flow is typically added to dry pipes by the software program to minimize numerical instabilities. This can cause a false positive CSO activation to be estimated for regulators that control CSO by a high invert SWO pipe and no weir.

b) The Consultant should be cognizant of any modeling instabilities that may be introduced into the model as a result of their Project. It is the Consultant's responsibility to remove and/or minimize model instabilities.

6. Consultants are responsible for reviewing the entire model results for each regulator/CSO location and provide explanations for changes in CSO statistics whether directly or indirectly impacted by their project work.

7.0 Documentation

Consistent and detailed model documentation by District and Consultants will help ensure that critical modeling decisions and changes to the models are readily identified and understood. Changes made to the CSO Models by Consultants shall be clearly documented. This section outlines the various approaches that Consultants must follow when refining the District's CSO Models. The Consultants should also apply this approach to the non-CSO hydraulic models. Various approaches for documenting modifications are discussed as follows:

- Naming Convention for Project Models and Associated Alternatives
- Data Flagging Scheme
- Consultant's Project Identification
- Additional Comments/Notes
- Project Model Submittal Requirements

7.1 Naming Convention for Project Models and Associated Alternatives

A file naming convention has been established for naming Project Models and associated alternatives. The nomenclature is presented below.

General Description:

[CSO Model ID][Condition ID][Version][Project ID]-[Alternative ID]

CSO Model ID Codes:

BC	Big Creek Interceptor Model
CV	Cuyahoga Valley Interceptor Model
DV	Doan Valley Interceptor Model (Obsolete)
ES	Easterly System Model
HH	Heights Hilltop
MC	Mill Creek Interceptor Model
SO	Southerly Interceptor Model
SW	Southwest Interceptor Model
WE	Westerly CSO Model

Condition ID Codes:

EX	Existing Conditions

BL Baseline Conditions

BG Baseline Conditions with Appendix 3 Green Infrastructure

CD Consent Decree Conditions

CG Consent Decree Conditions with Appendix 3 Green Infrastructure

CS Collection System

Version Codes:

Year/Month

Project ID Codes:

MM Master Model

XXXX Project Model (Project Identifier/Contract Acronym (Section 7.2))

Alternative ID Codes (optional):

00 Official Master Model Version

01 Project Model Alternative 1

99 Project Model Alternative 99

Example: Below is an example model file name for the Easterly CSO Model representing the consent decree conditions for alternative 2 developed for the DWIRS project. The official version of this model was adopted in July 2011.

EACD201107DWIRS-02

7.2 Data Flagging Scheme

- **Table 7-1** presents the formal data flagging scheme established to track the sources of asset data. The flagging scheme shall be strictly followed by the Consultants to facilitate model merging operations.
- Data flags are to be used to track the individual model element attribute data that has been modified or added by the Consultant. This differs from the Project Identifier flagging, as described in the following section, in that it applies to the individual data fields/modeling parameters (e.g., diameter, length, inverts, etc.) rather than the overall model element (e.g., conduit, orifice, weir, etc.).
- Both, IW and MU, have built-in data flagging capabilities to assist in tracking data sources. The term data flag is taken from IW, whereas MU's equivalent is referred to as "source codes". It should be noted for this document; the term data flags or flagging will be used synonymously for either software platform.
- Consultant shall not create/add additional data flags without District approval.

- Consultants will be assigned a unique project data flag to use in identifying project modifications. This project data flag should be used to flag the ID field of all model elements (e.g., conduit, weir, subcatchment, etc.) that were added or modified by the Consultant as part of the Project Model modifications.
- The remaining data flags should be used to track the source of the individual element parameters.
- Other than the #D flag, the built-in IW flags should not be used by the Consultants.

Table 7-1. Summary of Data Flagging Scheme.

IW Data Flag	MU Status Code	Description
#A	n/a	Asset Data
#D	1	System Default
#G	n/a	Data from GeoPlan
#V	n/a	CSV Import
AB	4	As-Built Drawings
AS	9	Assumed
CAL	n/a	Calibration
DD	5	Construction/Design Drawing (not as-built)
ES	8	Estimated
FC	6	Field checked (based partly on field measures)
FV	7	Field verified (measured and confirmed in field)
GI	n/a	Green Infrastructure
GS	2	Base on NEORSD GIS
OM	3	Original HydroWorks/MOUSE Model
RP	11	Based on LTCP Report/Memo
SP	12	Modeling Standards and Protocols
MU##	n/a	Model Updates as part of routine maintenance (## represents the year updates were performed)

7.3 Project Identifier

- The Project Identifier will be used by the Model Manager to quickly identify which modifications were made in the Consultant's Project Model and to assist with the migration of modifications into the District's Master Model.
- Project Identifiers shall be used to identify the individual model elements (e.g., nodes, subcatchments, conduits, etc.) that have been modified or added in the Project Model.
- Consultants will be assigned a Project Identifier, typically the District contract ID or acronym, which is a unique ID to be used for tagging/identifying the contract in which individual elements (e.g., nodes, subcatchments, conduits, etc.) were associated with.
- For projects with no District Contract ID or acronym, such as, non-District projects that impact the collection system (e.g., ODOT Innerbelt Bridge), the Consultant shall propose a project identifier to the District Project Manager or designated Model Manager, who will evaluate whether the name is unique for all service areas, and suitably clear for use.

- In IW, Consultants shall tag individual model element ids using the Project Identifier flag as described as follows:
  - For nodes, the node id shall be flagged.
  - For subcatchments, the subcatchment id shall be flagged.
  - For link elements (e.g., conduits, weirs, orifices, etc.), the upstream node id shall be flagged.
- In MU, Consultants shall flag individual model elements using the "Status", also called "Element_S" field in the attribute table interface, to flag individual model elements using the Project Identifier flag.

7.4 Data Source

- Consultants shall specify the primary data source of individual element parameters for each model element. The primary intention is to cite the appropriate record drawing or document with corresponding sheet or page number.
- Consultants shall adhere to the followings protocols established for the IW and MU software platforms when specifying data sources.

  In IW:
  - The "User Text 1" data field is reserved for storing the Project Identifier as illustrated in **Figure 7-1** below.
  - A syntax convention has been established for storing a Project Identifier in the "User Text 1" field as presented below.

  In MU:
  - The "Status" data field in the various Editor Menus in MU is reserved for storing the Project Identifier as illustrated in **Figure 7-2** below.
  - Unlike IW, only one Project Identifier can be tracked at one time for a model element.

Figure 7-1. Project Identifier Assigned in the "User Text 1" field in IW.

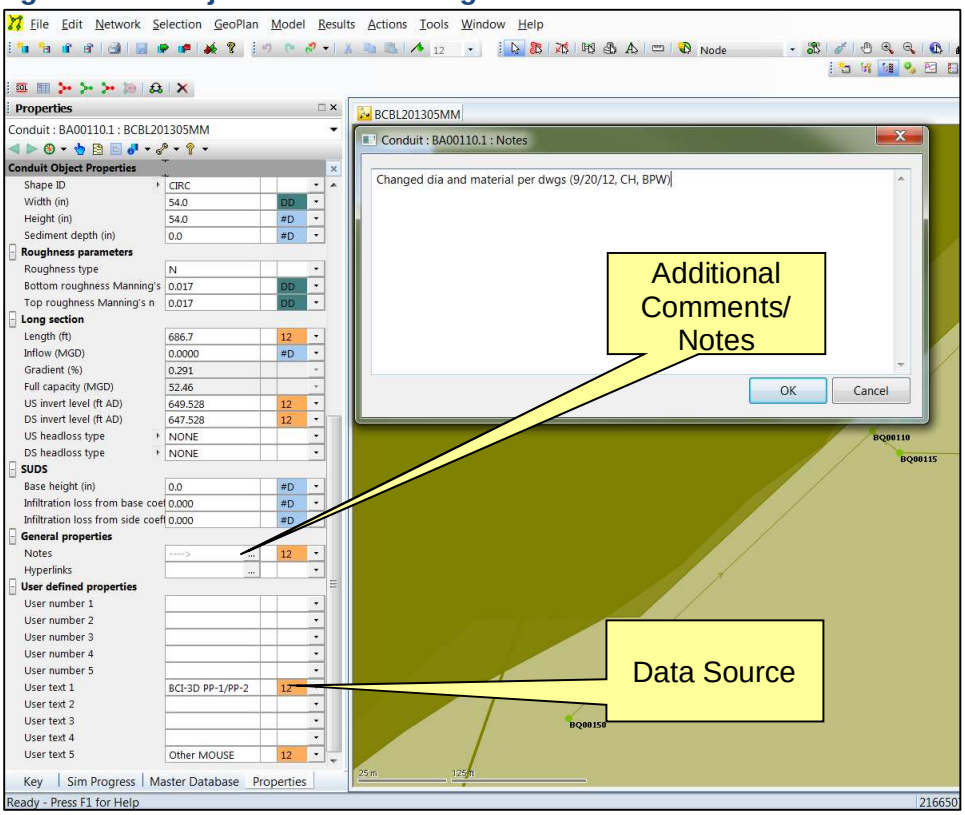
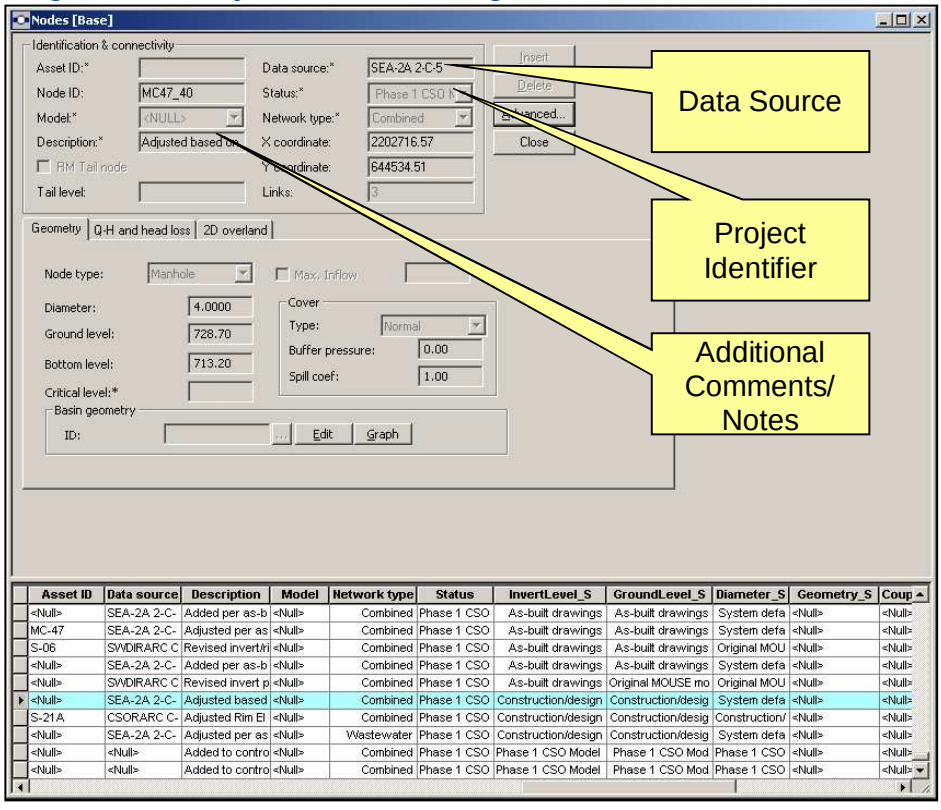


Figure 7-2. Project Identifier Assigned to the "Status" data field.



7.5 Additional Comments/Notes

- Consultants shall provide descriptions of all modifications made to the District models.
- All refinements/modifications shall be documented using the Notes (IW) or Description (MU) fields of the associated modeling element.
- Descriptive comments documenting the refinement/modifications shall be provided in format described below. An illustrative example is shown in **Figure 7-1** and **Figure 7-2**.
- All edits made to the SWMM4 hydrology input files should also comply with the following format with the comment placed above the edited line.

General Description

[Description of Change]-([Date],[Consultant],[Modeler Initials])

Description of Change: This field clearly describes what attribute(s) was changed and what the original value was, if applicable.

Date: This field represents the date that the change was made. A format of MM/DD/YYYY should be used.

Consultant: This field represents the name of the Consultant (e.g., the name of a consulting firm) that made the change. Standard company abbreviations are recommended. This is helpful when merging the models into the Master Model.

Modeler initials: This field represents the modeler that made or oversaw the change. This is helpful for understanding the change in the future if clarification is needed.

Below is an example of how changes to the original models shall be documented. Descriptive comments shall be provided in Notes (IW) or Description (MU) fields. If edits are made in the SWMM4 hydrology input file, the descriptive comment(s) shall be placed above the edited line.

Example – Represents a change in the weir crest elevation based on field survey collected in October of 2010. The change was made on January 1, 2011 by modeler ABC who works for firm XYZ.

Changed weir crest elevation from 600.0 to 601.25 due to Oct 2010 field survey-(01/01/11,XYZ,ABC).

7.6 Project Model Submittal Requirements

This section describes the Consultant responsibilities when submitting Project Models and associated support files to the District for review and approval.

- Consultants must provide a submittal letter/memorandum/report accompanying the Project Model and associated support files that the modeling protocols have been adhered to and include an explanation of any variances.
- A Project Model Submittal Checklist has been developed and provided in **Attachment A** as an electronic attachment in fillable Adobe Acrobat format to assist Consultants in this submittal process. Consultants must fill out and submit a copy of the Project Model Submittal Checklist with each submitted project model scenario.
- Consultants must provide a copy of the CSO statistics report for each project model scenario submitted for review. CSO statistics reports shall be based on the CSO statistics templates discussed in Section 6.6 and **Appendix I**.
- Consultants must develop a table listing all model elements that were added and/or modified as part of the Project Model effort. The table should include a summary of modifications for each individual element. This can be achieved by following the approach described here:
    - IW Approach:
        1. For each model element group table (i.e., nodes, subcatchments, conduit, weirs, orifices, etc.), sort element id by data flag.
        2. Select rows flagged with the Project Identifier (see section 7.3).
        3. Open the “Open Data Export Centre” menu.
        4. Export the selected data to csv file format using the “Selection Only” and “Auto-Map (with flags)” options.
        5. Once the table has been exported to csv format, open in MS Excel and delete all columns except for model element id (e.g., upstream node id plus suffix for link elements), asset ID, and Notes.
        6. Repeat for each model element group table in which modifications were made as part of the Project Model effort.
    - MU Approach:
        1. Open the Project Model database (mdb) in MS Access. Recommend making copy of the database file and opening the copy to avoid corrupting database for this exercise.
        2. Export all model element group tables (e.g., msm_weir) to MS Excel.
        3. Open in MS Excel and sort records per Element_S field.
        4. Delete all rows that were not assigned the project identifier data flag.
        5. Delete all columns except for model element id (i.e., MUID), Asset Name, and Description.
        6. Repeat for each model element group table in which modifications were made as part of the Project Model effort.
- Consultants working on design related projects are expected to submit a complete Project Model submittal package at the end of each design cycle (e.g., 30%, 60%, 90%, Final, etc.) as required in the District’s design contract scope.

8.0 Quality Assurance and Quality Control

All modeling work needs appropriate quality assurance/quality control (QA/QC) measures to verify that the model yields meaningful, accurate, and reliable results that meet the District objectives. It is intended that the CSO Models developed for each of the planning basins will be of consistent quality.

8.1 Responsibility

- Consultant's project manager is ultimately responsible for implementing the QA/QC procedures.
- Consultant shall identify a modeler in charge of QA/QC directly under the project manager with a minimum of 10 years of experience in modeling of combined sewer systems using IW and MU platforms.
- Consultant is to establish the QA/QC procedures that will be followed during the modeling process and the type of documentation that will be used to ensure that QA/QC procedures have been implemented. These procedures should include responsible staff for performing the QA/QC, the level of review and schedule at which QA/QC to be done as well as the documentation of the QA/QC process. These procedures shall be submitted to the District for approval.
- Consultant shall provide procedures to be implemented at the start of the project related to data management file organizational structure and file sharing. These procedures developed shall be submitted to the District for approval.

8.2 Standard Protocol

Complete QA/QC procedures are to be provided by the Consultant to the District for approval at the start of the project. The QA/QC procedures should include at minimum the following steps:

- Check for warnings and errors in the model output file. Some warnings and errors are not significant and can be ignored. All major warnings and errors shall be resolved.
- Check the report on the model run for any inconsistencies (unexpected large flows or volumes, etc.)
- Check the model overall continuity error – overall model continuity errors shall be generally within +/-2%. Several steps can be taken to address larger continuity errors. Resolve or justify large continuity errors (>5%).
- Check model stability using one or both of the following options:
  - Visually check the dynamic performance of the hydraulic grade line along profile views of the sewers.
  - Visually check output hydrographs at key hydraulic locations across the simulated area.
- Check for dry pipes under both dry-weather and wet-weather flow conditions. This can be an indication of an improperly loaded model.

- Check the performance of system appurtenances, such as pumps, weirs, orifices, and storage elements. Are pumps performing per documented performance parameters?
- Check manholes where flow is lost from the system. Do these make sense and is flow being lost at locations that make sense?

9.0 Level of Service Design Criteria

The Consent Decree agreement requires the District to achieve a targeted level of service (LOS) in terms of CSO control and surcharge/flood relief. This section presents the design criteria for Consultants to apply as the District's combined sewer system models are used to advance LTCP projects. The design criteria may be subject to change during the design phase based on project specific conditions.

9.1 CSO Control Performance

- Targeted CSO control performance is specified in Appendix 1 of the District's Consent Decree agreement, and is defined in terms of number of activations in a typical year by permitted CSO location.
  - Permitted CSO locations that were demonstrated to be fully controlled in a typical year (i.e., 0 overflows) under baseline conditions as part previous facilities planning modeling do not have a targeted CSO control level explicitly specified in the Consent Decree agreement. CSO control at these locations should continue to be fully controlled in a typical year as the District implements the LTCP.
  - Permitted CSO locations associated with the Mill Creek Interceptor service area pre-dated the Consent Decree agreement and therefore do not have a targeted CSO control level specified by the agreement. CSO control performance for these permitted CSO locations are targeting four overflows in a typical year.
- Compliance with the targeted level of control is demonstrated based on model-estimated activations using the District's combined sewer models and official synthetic typical year as described Section 6.5. A summary of the 121 representative events that make up the District's synthetic typical year is provided in **Appendix B**.
- Model-estimated CSO activations are defined as the occurrence of overflow at a single regulator with a volume greater than or equal to 0.01 MG for a single typical year storm.
- CSO activations estimated at multiple regulators associated with a common permitted CSO location are identified as a single activation if the overflows occur during the same typical year activation. Only one regulator has to have an estimated overflow volume greater than or equal to 0.01 MG during the typical year storm to be identified as a CSO activation.

9.2 Storage Performance

- Tunnels and retention basin facilities shall be sized to store captured CSO volume from typical year storm 68 as established in the previous facilities planning efforts unless requested otherwise by the District.

9.3 Conveyance Performance

- Tunnel diversion structures and conveyance sewers shall be sized to divert/convey typical year storm 60 peak flow rates to associated storage tunnels.
- Typical year storm 60 is the higher intensity event compared to storm 68 as demonstrated in previous facilities planning modeling efforts. However, storm 60 is a shorter duration event that produces less CSO volume compared to storm 68. As a result, a higher level of control was achieved by sizing diversion structures/conveyance sewers based on storm 60 flow rates.

9.4 Surcharge/Flood Relief Performance

- Surcharge/flood relief performance shall be assessed using the District's 5-yr, 6-hr design event as described in Section 6.4 which is based on 1-hour rainfall interval/intensities.
- Use of this design event is subject to change during the design phase based on project specific conditions.
- Previous facilities planning efforts have determined that this is the largest design event that the existing local collection system is likely to be able to convey to the District's interceptor system.
- The design level of service is to convey the 5-yr, 6-hr event with the peak hydraulic grade line (HGL) remaining 10 feet or more below rim elevation within the District's interceptor system.
- Consultants should exercise sound engineering judgment in project specific situations where providing the targeted LOS should be relaxed based on benefit/cost balance.

10.0 Green Infrastructure

This section provides guidelines for Consultants to follow when updating the District's CSO Models to represent the performance of GI projects. Additional considerations are offered to ensure the impacts of the proposed GI projects are appropriately evaluated.

10.1 General Guidance

- The District does not have specific design standards or protocols related to the design of individual GI controls at this time. Consultants are encouraged to refer to common industry standards and references (i.e., the ODNR Rainwater and Land Development Manual (http://www2.ohiodnr.com/soilwater/water-conservation/stormwater-management)) when designing GI controls/projects.
- Consultants are not required to use specific modeling software programs to design GI controls/projects at this time. However, official project performance under Appendix 1, 3, and 4 in the District's CD will be assessed based on the GI project representation as incorporated in the applicable District CSO Model(s) which are in the InfoWorks ICM platform. Supplemental flow monitoring for pre- and post-construction conditions may also be used to evaluate the project performance and the ICM model representation if available.
- Consultants are required to submit the final GI project representation and performance estimates based on the model representations in the InfoWorks ICM platform.
- Appendix 1, 3, and 4 GI projects must be directly represented in InfoWorks in which hydrologic and hydraulic impacts are dynamically computed within the InfoWorks platform. Flow hydrographs generated externally to the District's official CSO Model(s) and loaded into the InfoWorks platform to represent the GI project are not acceptable.
- GI project representations in InfoWorks should include sufficient model components to adequately estimate project performance for all of the District's standard rainfall events (i.e., Typical Year storms and design events) as presented in **Appendix B**.

10.2 Guidelines and Considerations

The following guidelines are provided for Consultants when developing and/or incorporating GI controls into the District's CSO Models. Not all steps may be required for every project depending on the level of design (i.e., planning level, advanced facilities planning, or final design) to be accomplished.

1) Identify Primary Receiving Body/CSO Facility in Which GI Control Will Discharge To
   - Consultants shall classify and identify GI stormwater discharge locations:
     - To existing combined sewer infrastructure (e.g. combined sewer/culvert or CSO outfall upstream of future overflow control facility)
     - To environment by removing contribution from combined sewer infrastructure (e.g. groundwater, separate storm sewer, open channel, stream, lake, or CSO outfall downstream of future overflow control facility)

- Consultants are responsible for verifying the downstream CSO facility(s) has sufficient capacity to support post-GI project conditions for all District synthetic rainfall events as provided in **Appendix B**.
- Consultants are responsible for confirming proposed GI project(s) do not negatively impact receiving body (i.e., CSO sewers, culverts, and stream). Consultants should coordinate with District's Project Manager if a lower level of service is anticipated and/or no cost-effective solution is available.

2) Assess Subcatchment Delineations in CSO Model(s) Provided by District
   - Consultants shall review the subcatchment delineations and model parameters for the GI project area.
   - Consultants should note the following regarding current subcatchment delineations provided in the Districts CSO Models:
     - The GIS delineations were originally developed to support the District's Phase II CSO Facilities Planning model development. However, the delineations were not directly incorporated into the original models for much of the District service area due to limitations in the software frameworks available at that time.
     - Subcatchment delineations were imported into the District's CSO Models from available GIS delineations in 2011/2012 as part of the District's CIP Program Management Program effort. GIS delineations were primarily matched with modeled subcatchments based on subcatchment names. For unmatched delineations, geographical extents were compared to inflow node locations and acreages to reduce the number of unmatched GIS delineations/modeled subcatchments. Modeling comments in the original EPA SWMM input files were also reviewed and considered. Some modeled subcatchments could not be paired with an available GIS delineation.
     - For subcatchments matched from the name, modeled subcatchment parameters (i.e., total area, percent imperviousness, slopes, etc.) do not always show exact or close agreement with GIS estimates. For example, the amount of modeled impervious area may differ from the amount of impervious area determined from a GIS analysis. In some cases, such as the Doan Valley Interceptor system model, the sum of the three runoff surface area parameters which describe the runoff from impervious and pervious surfaces in a subcatchment do not add up to 100% of the total subcatchment area, indicating that the contributing area is less than the delineated area. It is assumed differences in parameter values are a result of typical adjustments that were made during model calibration based on flow monitoring data.
   - Consultants are responsible of verifying whether their proposed GI project area is impacted by such discrepancies or modeled inflows without GIS delineations.

3) Approach to Modify Parameters for Areas without Supplemental Flow Monitoring Data
   - GI project areas are typically smaller subsets or portion of current modeled subcatchments. Consultants should subdivide existing modeled subcatchment(s) as needed to separate the proposed GI project area from the remaining portion of the original subcatchment area.

- In most cases, it should be assumed that the total flow response for subdivided subcatchments remains the same as the original subcatchment to represent the GI projects in InfoWorks without available flow monitoring data. The hydrograph shape and volume should remain unchanged, but the flows should be allocated among the GI project and the remaining subcatchment. The total subcatchment area, total imperviousness area, and subcatchment flow length are anticipated to remain the same as the original subcatchment. The individual areas and percent impervious may be adjusted and reallocated for the GI project and remaining area as appropriate, but the total area, impervious area, and pervious area should remain unchanged. It should be assumed that the GI tributary area has hydrograph shape parameters (slope and roughnesses), initial loss parameters (depression storages), and soil infiltration parameters typical of the entire subcatchment to divide the subcatchment into smaller subcatchments while maintaining the same total inflow response.
- Subcatchment percent imperviousness in the District's CSO Models is defined by the three runoff surface parameters.

  - Runoff Surface 1 = Percent of total contributing subcatchment area that is covered by impervious surfaces with depression storage (e.g., roads and parking lots)
  - Runoff Surface 2 = Percent of total contributing subcatchment area that is covered by impervious surfaces without depression storage (e.g., roofs)
  - Runoff Surface 3 = Percent of total contributing subcatchment area that is covered by permeable surfaces (e.g., lawns)

  Consultants are expected to adjust these parameters when reallocating the percent imperviousness (Runoff Surface 1 and/or 2) versus perviousness (Runoff Surface 3) to represent the impact of GI controls within a subcatchment. Discrepancies between the impervious area determined through GIS analysis and the modeled impervious area should be considered for the reallocation of area. For example, if the modeled impervious area is less than the GIS analysis, and the GI tributary area is impervious from the GIS analysis, it might not be appropriate to assume that all of the GIS impervious area is tributary to the GI project site. In addition, the sum of areas for Runoff Surface 1, 2, and 3 for all divided catchments should be the same as the original catchment to create the same amount of total inflow. The separation of impervious surfaces into Runoff Surface 1 and 2 is typically a fixed ratio from the original model development, and this allocation should remain for each sub-divided area. **Appendix J** provides additional guidance for the allocation of runoff surface parameters to the subdivided catchments.
- When splitting existing subcatchments, Consultants should maintain the original modeled flow length to maintain the same hydrograph shape and peak flow rate for the sum of the areas as the original subcatchment. The flow length is calculated by dividing the original subcatchment area by the dimension parameter, also

referred to as the subcatchment width. The flow length of the new/smaller subcatchments should equal the flow length of the original subcatchment. **Appendix J** provides additional guidance for the calculation of flow lengths. If the flow length is long relative to the GI tributary area and results in small subcatchment widths, then special considerations may be made to the adjustment of the flow length for the GI catchment and the remaining catchment.

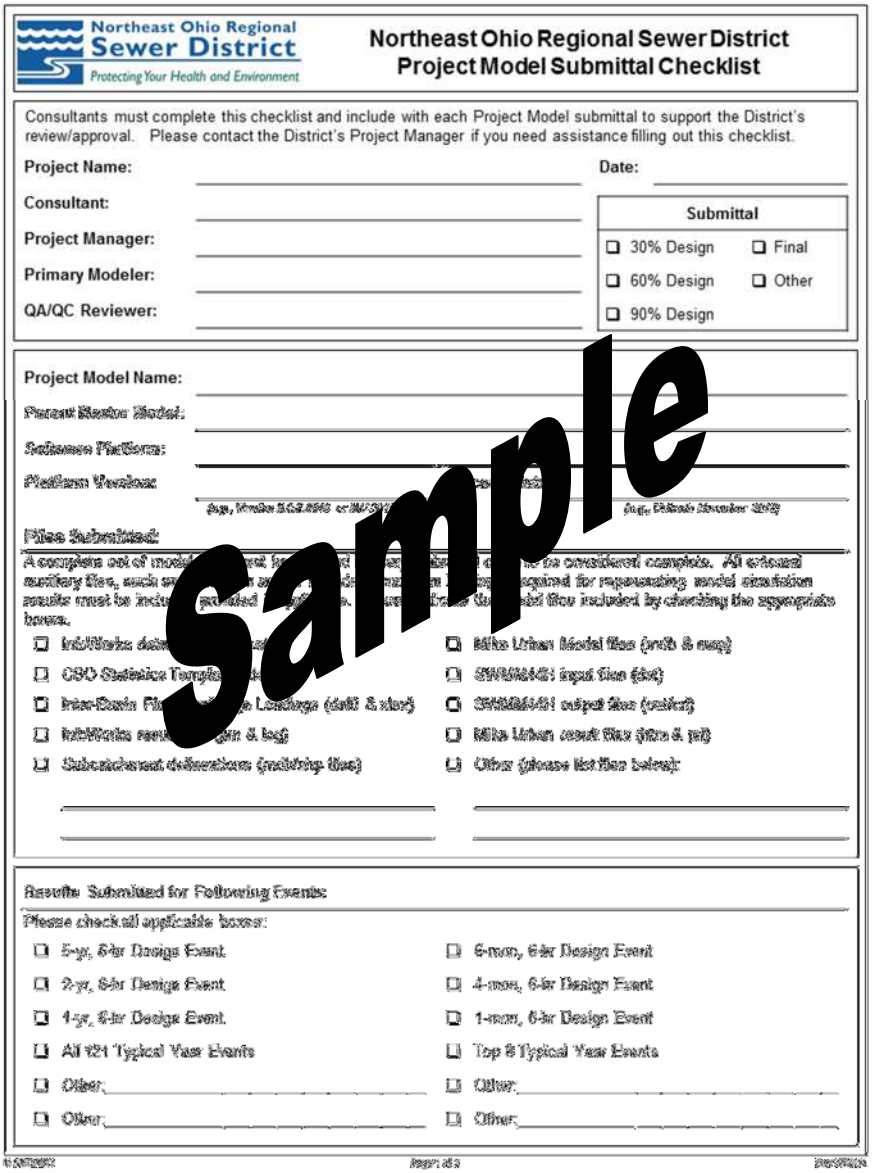
- Consultants should assume a 90%/10% allocation to split subcatchment area and runoff between storm/sanitary sewers respectively if the proposed GI control is sewer separation and no flow monitoring data is available. For this allocation, 90% of the tributary area should be directed to the separated storm sewer system while the remaining 10% of the area is tributary to the sanitary system along with the dry weather flow component.

4) Approach to Modify Parameters for Areas with Supplemental Flow Monitoring Data
   - The need for and extent of pre-construction flow monitoring (PreCFM) to validate model performance and support recalibration will be determined on a project by project basis. For CSO Consent Decree GI projects, it shall be assumed that some level of PreCFM will be required. Any recalibration should follow the modeling standards provided in this document.
5) Modify Hydraulic Representation As Needed
   - Consultants are responsible for expanding the hydraulic representation of the CSO Models as necessary to properly represent the GI project design and performance.
   - Consultants shall adhere to the standards and protocols outlined in **Section 4** on hydraulic representations when incorporating the GI projects into the District's CSO Models.
   - Development of example hydraulic representations of various GI projects is being considered but is not available at this time.
6) Estimate Overall GI Performance
   - Consultants shall adhere to the standards and protocols outlined in **Section 6** on CSO statistics when estimating the performance of GI projects using the District's CSO Models.
7) Submit Final Recommendation to District for Review and Approval
   - Consultants shall adhere to the standards and protocols outlined in **Section 7** on documentation when updating the CSO Models to reflect GI projects.

Appendix A. Project Model Submittal Checklist

Consultants are required to submit Project Models and associated support files to the District for review and approval. A Project Model Submittal Checklist Form has been developed to assist Consultants to ensure a complete Project Model submittal package is being provided. An electronic version of this document in pdf format is included with the delivery of the Project Models to Consultants for use. The Project Model Submittal Checklist shall be completed and included with each submittal cycle (e.g., 30%, 60%, 90%, Final Design) when the Consultants submits a copy of the Project Model to the District for review.

Figure A-1. Sample of Project Model Submittal Checklist.


Northeast Ohio Regional Sewer District
Protecting Your Health and Environment

Northeast Ohio Regional Sewer District
Project Model Submittal Checklist

Consultants must complete this checklist and include with each Project Model submittal to support the District's review/approval. Please contact the District's Project Manager if you need assistance filling out this checklist.

Project Name: _____ Date: _____

Consultant: _____

Project Manager: _____

Primary Modeler: _____

QA/QC Reviewer: _____

Submittal
- ☐ 30% Design
- ☐ 60% Design
- ☐ 90% Design
- ☐ Final
- ☐ Other

Project Model Name: _____

Parent Master Model: _____

Software Platform: _____

Platform Version: _____

Files Submitted:

A complete set of model input files is required for each submittal to be considered complete. All critical auxiliary files, such as [illegible] required for reproducing model simulation results must be included. Indicate the model files included by checking the appropriate boxes.

- ☐ InfoWorks data [illegible]
- ☐ CSO Statistics Template [illegible]
- ☐ Inter-Basin Flow [illegible] Loadings (dat & xlsx)
- ☐ InfoWorks results (gpkg & log)
- ☐ Subcatchment delineations (multiring file)
- ☐ Mike Urban Model files (mdb & sqlite)
- ☐ SWMM5/EPA input files (inp)
- ☐ SWMM5/EPA output files (rpt/out)
- ☐ Mike Urban result files (gdbs & rst)
- ☐ Other (please list files below):

Results Submitted for Following Events:

Please check all applicable boxes:

- ☐ 5-yr, 6-hr Design Event
- ☐ 2-yr, 6-hr Design Event
- ☐ 1-yr, 6-hr Design Event
- ☐ All 121 Typical Year Events
- ☐ Other: _____
- ☐ Other: _____
- ☐ 6-mon, 6-hr Design Event
- ☐ 4-mon, 6-hr Design Event
- ☐ 1-mon, 6-hr Design Event
- ☐ Top 8 Typical Year Events
- ☐ Other: _____
- ☐ Other: _____

Sample

In addition to the submittal checklist, Consultants are required to submit the following items:

- Consultants must provide a submittal letter/memorandum/report accompanying the Project Model and associated support files that the modeling protocols have been adhered to and include an explanation of any variances.
- A Project Model Submittal Checklist has been developed and provided in **Attachment A** as an electronic attachment in fillable Adobe Acrobat format to assist Consultants in this submittal process. Consultants must fill out and submit a copy of the Project Model Submittal Checklist with each submitted project model scenario.
- Consultants must provide a copy of the CSO statistics report for each project model scenario submitted for review. CSO statistics reports shall be based on the CSO statistics templates discussed in Section 6.6 and **Appendix I**.
- Consultants must develop a table listing all model elements that were added and/or modified as part of the Project Model effort. The table should include a summary of modifications for each individual element. This can be achieved by following the approach described here:
    - IW Approach:
        1. For each model element group table (i.e., nodes, subcatchments, conduit, weirs, orifices, etc.), sort element id by data flag.
        2. Select rows flagged with the Project Identifier (see section 7.3).
        3. Open the “Open Data Export Centre” menu.
        4. Export the selected data to csv file format using the “Selection Only” and “Auto-Map (with flags)” options.
        5. Once the table has been exported to csv format, open in MS Excel and delete all columns except for model element id (e.g., upstream node id plus suffix for link elements), asset ID, and Notes.
        6. Repeat for each model element group table in which modifications were made as part of the Project Model effort.
    - MU Approach:
        1. Open the Project Model database (mdb) in MS Access. Recommend making copy of the database file and opening the copy to avoid corrupting database for this exercise.
        2. Export all model element group tables (e.g., msm_weir) to MS Excel.
        3. Open in MS Excel and sort records per Element_S field.
        4. Delete all rows that were not assigned the project identifier data flag.
        5. Delete all columns except for model element id (i.e., MUID), Asset Name, and Description.
        6. Repeat for each model element group table in which modifications were made as part of the Project Model effort.
- Consultants working on design related projects are expected to submit a complete Project Model submittal package at the end of each design cycle (e.g., 30%, 60%, 90%, Final, etc.) as required in the District’s design contract scope.

Appendix B. Summary of District's Synthetic Design Storm and Typical Year Rainfall

Tables B-1 and **B-3** were obtained from Appendix C of the District's CSO Facilities Planning Summary Report dated March 2005. The Consultant shall refer to this report for additional information regarding the District's selected design storms and synthetic typical year hyetographs is needed. **Table B-2** summarizes the standard design storm hyetographs based on 15-minute rainfall increments have been adopted and are available for Consultant use if needed for particular project needs. District approval is required if finer rainfall time series is deemed necessary by the Consultant.

Table B-1. Official Design Storm Hyetographs Based on 1-Hour Rainfall Increments.

Return Period	Duration	Hourly Incremental Rainfall Depth (in)						Total Rainfall	Average Intensity
		Hour 1	Hour 2	Hour 3	Hour 4	Hour 5	Hour 6	(in)	(in/hr)
1-month	6-hour	0.06	0.15	0.09	0.09	0.08	0.09	0.56	0.09
4-month	6-hour	0.05	0.15	0.10	0.37	0.16	0.14	0.97	0.16
6-month	6-hour	0.01	0.06	0.02	0.73	0.26	0.02	1.10	0.18
1-year	6-hour	0.05	0.07	0.15	1.00	0.21	0.01	1.49	0.25
2-year	6-hour	0.12	0.04	0.14	1.17	0.18	0.10	1.75	0.29
5-year	6-hour	0.06	0.10	0.23	1.43	0.20	0.12	2.14	0.36
1-year	1-hour	1.00						1.00	1.00
5-year	1-hour	1.43						1.43	1.43
10-year	1-hour	1.69						1.69	1.69
25-year	1-hour	2.06						2.06	2.06
50-year	1-hour	2.40						2.40	2.40
100-year	1-hour	2.77						2.77	2.77

Table B-2. Design Storm Hyetographs Based on 15-Minute Rainfall Increments.

Return Period	6-Hour Duration[1]		24-Hour Duration[2]	
	Total Rainfall (in)	Peak 1-Hour Intensity (in/hr)	Total Rainfall (in)	Peak 1-Hour Intensity (in/hr)
1-month	0.56	0.36	0.79	0.36
2-month	0.79	0.51	1.12	0.51
3-month	0.93	0.59	1.31	0.59
4-month	1.01	0.65	1.43	0.65
6-month	1.17	0.75	1.65	0.75
9-month	1.33	0.85	1.88	0.85
1-year	1.45	0.92	2.04	0.92
2-year	1.77	1.13	2.50	1.13
5-year	2.20	1.40	3.10	1.40

(1) Distribution based on peak 6-hr duration of the SCS Type 2 24-hr distribution at 15-minute increments.

(2) From District's 2006 RIDE Study and ISWS Bulletin 71 and SCS Type 2 24-hour distribution.

Table B-3. Storm Events for Typical Year Continuous Year Simulation.

Storm Event	Date	Hour	Duration (Hrs)	Depth (In)	Average Intensity (In/Hr)	Maximum Hourly Intensity (In/Hr)
1	01/03/91	12	1	0.01	0.01	0.01
2	01/05/91	13	10	0.18	0.02	0.03
3	01/09/91	13	2	0.03	0.01	0.02
4	01/11/91	4	19	0.39	0.02	0.09
5	01/12/91	12	21	0.04	0.00	0.01
6	01/15/91	24	8	0.33	0.04	0.08
7	01/16/91	19	10	0.17	0.02	0.03
8	01/20/91	13	30	0.53	0.02	0.05
9	01/26/91	7	10	0.03	0.00	0.01
10	01/27/91	19	4	0.08	0.02	0.03
11	01/29/91	20	11	0.37	0.03	0.10
12	01/30/91	18	1	0.01	0.01	0.01
13	01/31/91	14	1	0.01	0.01	0.01
14	02/05/91	7	1	0.01	0.01	0.01
15	02/06/91	15	9	0.10	0.01	0.02
16	02/10/91	15	20	0.73	0.04	0.09
17	02/13/91	14	59	1.53	0.03	0.16
18	02/16/91	24	14	0.18	0.01	0.04
19	02/18/91	15	13	0.08	0.01	0.04
20	02/19/91	17	7	0.29	0.04	0.10
21	02/26/91	4	40	0.08	0.00	0.01
22	02/28/91	9	4	0.04	0.01	0.02
23	03/02/91	1	14	0.06	0.00	0.02
24	03/03/91	13	24	0.70	0.03	0.10
25	03/06/91	6	14	0.83	0.06	0.13
26	03/09/91	18	2	0.07	0.04	0.05
27	03/10/91	12	4	0.08	0.02	0.03
28	03/17/91	21	31	0.50	0.02	0.07
29	03/22/91	6	4	0.32	0.08	0.18
30	03/22/91	24	3	0.14	0.05	0.08
31	03/23/91	24	10	0.23	0.02	0.06
32	03/26/91	13	1	0.02	0.02	0.02
33	03/27/91	24	1	0.62	0.62	0.62
34	03/31/91	19	6	0.07	0.01	0.03
35	04/01/93	23	5	0.16	0.03	0.07
36	04/02/93	17	12	0.06	0.00	0.02
37	04/09/93	14	16	0.77	0.05	0.09
38	04/11/93	16	1	0.09	0.09	0.09
39	04/14/93	19	2	0.03	0.01	0.02
40	04/15/93	23	3	0.34	0.11	0.16
41	04/19/93	17	13	0.27	0.02	0.11
42	04/20/93	16	18	0.61	0.03	0.13
43	04/24/93	12	2	0.03	0.01	0.02
44	04/25/93	8	15	0.46	0.03	0.16
45	04/30/93	1	6	0.10	0.02	0.03
46	05/04/93	13	25	0.63	0.03	0.22
47	05/19/93	4	6	0.15	0.02	0.07
48	05/23/93	16	1	0.01	0.01	0.01
49	05/24/93	6	6	0.08	0.01	0.04
50	05/28/93	24	2	0.03	0.01	0.02
51	05/31/93	23	2	0.16	0.08	0.08
52	06/03/93	23	2	0.07	0.03	0.04
53	06/05/93	5	6	0.37	0.06	0.25
54	06/07/93	16	9	1.56	0.17	0.67
55	06/09/93	10	1	0.21	0.21	0.21
56	06/09/93	24	1	0.24	0.24	0.24
57	06/19/93	6	2	0.31	0.16	0.22
58	06/20/93	13	26	0.54	0.02	0.15
59	06/25/93	20	1	0.08	0.08	0.08
60	06/27/93	18	1	0.94	0.94	0.94
61	07/01/93	21	4	0.05	0.01	0.02
62	07/03/93	2	1	0.01	0.01	0.01
63	07/04/93	16	1	0.44	0.44	0.44
64	07/06/93	16	1	0.47	0.47	0.47
65	07/11/93	20	3	0.35	0.12	0.24
66	07/19/93	14	2	0.14	0.07	0.13
67	07/26/93	6	2	0.04	0.02	0.02
68	07/28/93	17	9	1.08	0.12	0.72
69	07/29/93	20	3	0.67	0.22	0.31
70	08/02/93	5	2	0.42	0.21	0.41
71	08/03/93	21	10	0.42	0.04	0.20
72	08/06/93	19	4	0.10	0.03	0.06
73	08/07/93	13	1	0.13	0.13	0.13
74	08/10/93	16	2	0.02	0.01	0.01
75	08/11/93	4	4	0.24	0.06	0.23
76	08/12/93	17	1	0.02	0.02	0.02
77	08/16/93	4	1	0.07	0.07	0.07
78	08/20/93	9	1	0.01	0.01	0.01
79	08/28/93	2	1	0.06	0.06	0.06
80	08/31/93	13	6	0.03	0.00	0.02
81	09/02/93	8	21	1.02	0.05	0.67
82	09/06/93	13	1	0.35	0.35	0.35
83	09/07/93	9	1	0.01	0.01	0.01
84	09/10/93	1	1	0.01	0.01	0.01
85	09/10/93	13	1	0.01	0.01	0.01
86	09/15/93	20	16	2.38	0.15	0.40
87	09/22/93	24	16	0.12	0.01	0.05
88	09/25/93	16	20	1.63	0.08	0.29
89	09/27/93	13	9	0.15	0.02	0.06
90	09/28/93	10	3	0.23	0.08	0.12
91	09/29/93	10	17	0.97	0.06	0.24
92	10/01/93	10	1	0.01	0.01	0.01
93	10/01/93	23	6	0.58	0.10	0.22
94	10/09/93	6	13	0.43	0.03	0.13
95	10/16/93	22	16	0.60	0.04	0.18
96	10/19/93	15	1	0.04	0.04	0.04
97	10/20/93	15	6	0.04	0.01	0.02
98	10/27/93	22	4	0.15	0.04	0.10
99	10/30/93	10	39	1.67	0.04	0.12
100	11/01/91	17	1	0.01	0.01	0.01
101	11/07/91	9	12	0.12	0.01	0.02
102	11/11/91	2	7	0.69	0.10	0.14
103	11/12/91	11	12	0.21	0.02	0.06
104	11/15/91	1	31	0.62	0.02	0.10
105	11/18/91	17	21	0.30	0.01	0.10
106	11/20/91	17	19	0.46	0.02	0.14
107	11/23/91	20	3	0.24	0.08	0.12
108	11/24/91	17	8	0.03	0.00	0.01
109	11/25/91	14	1	0.01	0.01	0.01
110	11/28/91	6	8	0.19	0.02	0.05
111	11/30/91	6	1	0.04	0.04	0.04
112	12/02/91	16	17	1.19	0.07	0.29
113	12/03/91	21	11	0.06	0.01	0.02
114	12/12/91	15	17	0.16	0.01	0.06
115	12/14/91	7	6	0.15	0.02	0.12
116	12/15/91	16	16	0.07	0.00	0.01
117	12/18/91	3	2	0.02	0.01	0.01
118	12/18/91	16	16	0.03	0.00	0.01
119	12/20/91	22	8	0.22	0.03	0.07
120	12/23/91	7	6	0.10	0.02	0.03
121	12/28/91	22	35	0.26	0.01	0.03
Total				37.51		

Individual rainfall events paired together for back-to-back/continuous simulations.

Appendix C. Procedure for Subcatchment Population Estimates

Subcatchment delineations typically include areas tributary to the combined/sanitary sewer system, which includes tributary buildings and open areas that have potential to contribute flows to the collection system. However, the US Census information, which is spatially distributed using the TIGER polygons for each census block, does not follow the same delineations. The Census polygons typically consist of houses/buildings as well as the open and undeveloped areas that may not be tributary to the collection sewer system. Populations are assigned to the overall areas in the census blocks and not the individual residences. To better account spatially for the population and to relate the populations to the subcatchment delineations, the following procedure is recommended for future modeling efforts that require updates/revisions to the current population estimates in the CSO Models.

This approach determines an average population per building within each Census block. The procedure counts the number of buildings in each census block and distributes the population to each building based on the total population and the number of buildings in each census block. The building locations and assigned population are then used with the subarea delineations to determine the total population contributing to each subarea.

Base Data:

The procedure uses the following GIS and database information:

- US Census Block Data for service area in question
- TIGER lines for US Census Block delineations
- Building polygons

Procedure:

The following outlines the procedure that was used within ESRI ArcMap GIS, version 9.0:

1) Join the US Census Block attribute table with TIGER delineations using “STFID” field

   => US_Census_Bloc.shp

2) In the building polygon shapefile (Building.shp), add a new field to calculate individual areas of building polygons in square feet.

3) In the building polygon shapefile (Buildings.shp) add field called “BldgID” and assign a unique ID to each building polygon.

4) Convert the building polygon shapefile (Buildings.shp) to centroid points.

   => Building_Centroids.shp

5) Remove buildings with area less than 500 square feet to remove potential garages or other small buildings that are typically not associated with population.

   => Bldg_Centrd_Clean.shp

6) Spatially join the building centroids larger than 500 square feet (Bldg_Centrd_Clean.shp) to the census blocks (US_Census_Bloc.shp) and sum attribute fields to determine the number of buildings per census block

   => Bldg_Centrd_Clean_CensusBlk.shp

7) In the shapefile of census blocks joined with the buildings (Bldg_Centrd_Clean_CensusBlk.shp), add a field called “HouseSize” and calculate values by dividing the population (e.g., POP2000) by the “Count” fields to determine the average number of people per building within the census block.

8) Spatially join the shapefile of census blocks joined with the buildings (Bldg_Centrd_Clean_CensusBlk.shp) to the building centroid shapefile (Building_Centroids.shp) to assign the average number of per building within the census block back to the individual buildings

   => Bldg_Population_Estimate.shp

9) Spatially join the complete building centroid shapefile that includes population estimates (Bldg_Population_Estimate.shp) with the subcatchment delineations and sum the attribute fields to determine the population per subcatchment. The “Sum_HouseS” field will have the estimated population per subarea.

   => Subcatchment_Population_Estimate.shp

Appendix D. Guidance for Weir Discharge Coefficients

Previous CSO modeling efforts relied extensively on the use of the default discharge coefficients provided in the InfoWorks CS/ICM and MU software packages. Based on software documentation and discussions with the software support staff, the default weir discharge coefficients in both MU and IW tend to be significantly larger than commonly published values for weirs. It is strongly recommended that Consultants do not use the default discharge coefficients for weirs in either software package. The following is a summary of recommended discharge coefficients to use if no additional information is available to identify more site-specific values. In addition, background is provided for the coefficients that were used in previous development of the models to document the range of values that exist in the current models.

MIKE URBAN

MOUSE/MIKE URBAN provides two different options for the computation of weir flow:

a. Flow computation based on the energy loss coefficient and weir orientation. This is applied if the field for the discharge coefficient on the weir dialog is left empty.
b. Flow computation based on a standard rectangular overflow weir formula with user-specified discharge coefficient. This is applied if a discharge coefficient is specified.

The majority of the weirs in the original District MOUSE models did not have weir discharge coefficients specified, and the first method was therefore applied. The discharge coefficients were calculated by the model using the outlet headloss coefficient, which is specified at the node upstream of the weir element. Headloss coefficients were not specified in all cases.

MOUSE applies different formulas under free discharge and submerged/drowned conditions. Under free discharge conditions, equations 2.13 and 2.14 of the MOUSE Pipe Flow Reference Manual [ref.1] are used to calculate the discharge coefficients used in the 2.12 weir formula.

$$Q_{weir} = \frac{2}{3} \cdot C_d \cdot B \cdot \sqrt{2g} \cdot (H)^{3/2} \qquad (2.12)$$

where C_d is a discharge coefficient, expressed for an orthogonal weir as:

$$C_d = \frac{3}{(2+K_c)^{3/2}} \qquad (2.13)$$

and for a 'side' overflow weir:

$$C_d = \frac{3}{(3+K_c)^{3/2}} \qquad (2.14)$$

The formula for drowned discharge conditions is slightly different because of the downstream depth:

or with energy loss coefficient, for orthogonal overflow weir:

$$Q_{weir} = B \cdot \sqrt{g} \cdot \left(\frac{2}{2+K_c} \cdot \Delta H\right)^{\frac{3}{2}} \cdot \frac{H}{\Delta H} \qquad (2.17)$$

and for a 'side' overflow weir (0°):

$$Q_{weir} = B \cdot \sqrt{g} \cdot \left(\frac{2}{3+K_c} \cdot \Delta H\right)^{\frac{3}{2}} \cdot \frac{H}{\Delta H} \qquad (2.18)$$

When the formulas are compared, there is an additional factor of $2^{3/2}/3$ in the submerged discharge equation, meaning that the submerged flow is slightly less efficient than the free discharge flow (the factor is equivalent to 0.94).

The MOUSE Pipe Flow Reference Manual does not specify if orifice flow ever occurs if the depth over the weir or the upstream depth reaches the top of the structure, and it is therefore assumed that the weir equations apply for the full range of head conditions in MOUSE.

When no head loss is specified at the upstream node, the free discharge coefficients correspond to equivalent weir discharge coefficients of 5.67 and 3.09 in the standard weir equation below for orthogonal weirs (90 degree orientation in MOUSE) and sidespill weirs (0 degrees in MOUSE) respectively.

$$Q = \bar{C}_d \, B \, H^{3/2}$$

Both of these values are considered high relative to textbook values. When head loss coefficients were specified at upstream nodes, the calculated weir coefficients corresponded more closely to standard textbook values. **Table D-1** summarizes the corresponding weir discharge coefficients depending on orientation and minor loss coefficient.

Table D-1. Equivalent Free Discharge Weir Discharge Coefficients in MOUSE/MU.

Weir Orientation	$K_c = 0$	$K_c = 0.25$	$K_c = 0.50$
Orthogonal (90 Degree Orientation in MU)	5.67	4.76	4.06
Sidespill (0 Degree Orientation in MU)	3.09	2.74	2.45

For some of the weir structures, particularly structures that had been updated in the Consent Decree models, a weir discharge coefficient was directly specified. In this case, the head-loss coefficient specified for the weir node, the weir orientation, and the free versus submerged condition are ignored in the weir computation. The discharge coefficient is used directly with the following equation:

$$Q_{weir} = C_H \cdot B \cdot \sqrt{2g} \cdot (H)^{\frac{3}{2}} \qquad (2.15)$$

The MU default value for the C_H discharge coefficient is 0.66. This value corresponds to an equivalent discharge coefficient of 5.3, which is considered high relative to textbook values. A value of 0.40 would correspond to an equivalent discharge coefficient of 3.2 and would be more consistent with traditional textbook values.

If new structures are added or revised within the MU framework, it is recommended that a discharge coefficient of 0.40 be specified for the weir element.

InfoWorks CS and ICM

The InfoWorks calculation of weir flow is similar to the MOUSE representation and different equations are applied to free discharge and submerged/drowned conditions, but only one discharge coefficient is used for the weir flow in either condition. The following equations are used for a Standard Thin Plate Weir (provided the Villemonte equation simulation parameter option is turned off):

For free discharge InfoWorks uses the governing model equation based on the Kindsvater and Carter equation:

$$Q_0 = C_d \sqrt{g}\, B\, D_u^{3/2} \qquad (1)$$

where:

- $\mathbf{Q_0}$ is the free outfall discharge
- $\mathbf{C_d}$ is the discharge coefficient
- $\mathbf{g}$ is the acceleration due to gravity
- $\mathbf{B}$ is the width of the weir
- $\mathbf{D_u}$ is the upstream depth with respect to the crest

For drowned discharge InfoWorks uses the Kindsvater and Carter equation where D_d is greater than zero:

$$Q = C_d\, B\, D_u \sqrt{g}\, (D_u - D_d)^{1/2} \qquad (2)$$

where:

- $\mathbf{D_d}$ is the downstream depth with respect to the crest

Comparison to the MOUSE framework (equations 2.12 and 2.17/2.18) shows that the equations are similar, but the InfoWorks framework does not include the (2/3) and $2^{0.5}$ factors. The InfoWorks discharge coefficient also remains the same for free discharge and drowned conditions and the primary discharge coefficient is used for all weir flow regardless of whether free or drowned. Therefore, the slight difference in MOUSE for the submerged coefficient cannot be replicated in InfoWorks.

The discharge coefficient in InfoWorks does not include the gravitational constant, and the value needs to be multiplied by a value of $g^{0.5}$ to correspond to a weir coefficient in the standard weir equation ($Q = CLH^{3/2}$).

InfoWorks also includes an additional formulation that allows for the transition to orifice flow if the depth over the weir or the upstream depth reaches the top of the structure. The discharge coefficient in this case is the secondary discharge coefficient.

The default primary discharge coefficient in IW is 0.85. Conversion from the IW framework to the standard weir equation by multiplying by $g^{0.5}$ gives a standard weir coefficient of 4.8. Since this is higher than typical textbook values, a lower value is recommended for the weir representation in IW. A primary discharge coefficient of 0.56 would correspond to an equivalent discharge coefficient of 3.2 and would be more consistent with traditional textbook values.

If new structures are added or revised within the IW framework, it is recommended that a primary discharge coefficient of 0.56 be specified for the weir element. The default value for the secondary discharge coefficient of 1.0 is reasonable to represent the hydraulic conditions when a weir transitions to orifice flow under high water surface conditions in the regulator structure.

Since many of the weir elements in the IW Master Models were incorporated from original MOUSE/MU models, the weir discharge coefficients were converted from those models to maintain a consistent representation. The converted primary discharge coefficient values are summarized in **Table D-2** for reference.

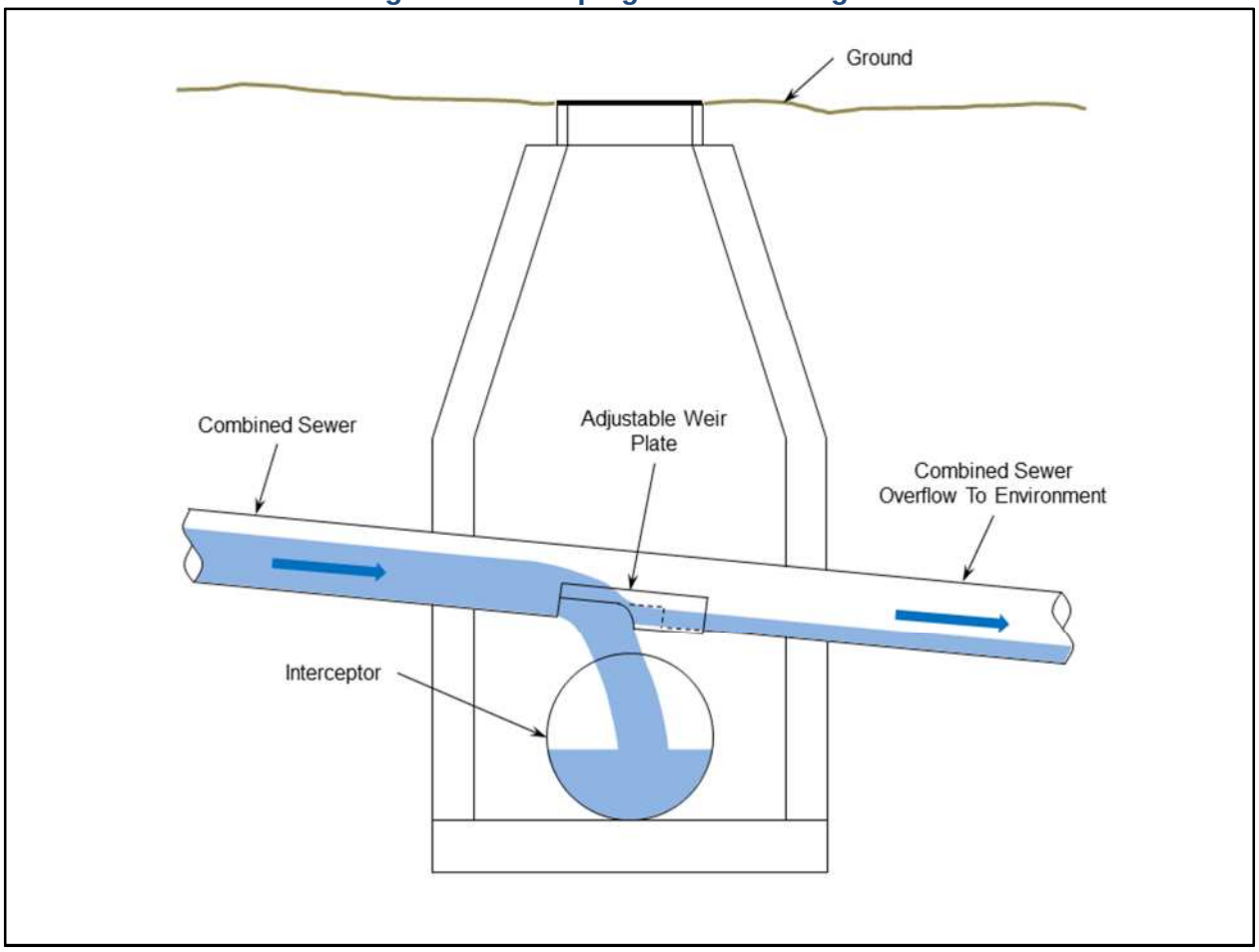
Table D-2. IW Primary Discharge Coefficients as Converted from MOUSE/MU.

Weir Orientation	No Discharge Coefficient Specified, Use of Minor Loss Factor			Discharge Coefficient (C_H) Specified
	$K_c = 0$	$K_c = 0.25$	$K_c = 0.50$	
Orthogonal (90 Degree Orientation in MU)	1.00	0.84	0.72	$C_H * (2)^{0.5}$
Sidespill (0 Degree Orientation in MU)	0.54	0.48	0.43	

Appendix E. Guidelines for Leaping Weir Representation

Leaping weirs consist of an opening located at the invert of the combined sewer that allows dry weather flows to drop through to a second sewer, which is typically an interceptor or a sewer connecting to the interceptor. During wet weather conditions, excess flow can leap over the opening and be conveyed through the overflow sewer to the environment. An adjustable weir plate is typically used to allow field adjustment of desired CSO control and/or the amount of flow conveyed to the interceptor. **Figure E-1** illustrates a traditional leaping weir configuration.

Figure E-1. Leaping Weir Flow Regulator.



Leaping weir representations used in development of the original CSO models were based on the trajectory methodology and observations drawn from a performance evaluation using flow monitoring data at Regulator I-09, as summarized in a May 13, 1999 technical memorandum from CH2M Gore & Storrie Limited (CG&S). The evaluation examined flow monitoring data relative to the theoretical calculated trajectory of flow and the activation depth. The activation depth is defined as the flow depth upstream of the leaping weir opening at which the length of the trajectory of the flow is equal to the leaping weir length, and at which point overflow would be expected to occur. The evaluation found that flows began to bypass the leaping weir for

depths less than the activation depth. The following observations were made as a result of the CG&S evaluation:

1) 95% of total flow was captured at a depth equivalent to 33% of the activation depth (AD);
2) 90% of total flow was captured at a depth equivalent to 75% of the AD; and
3) 75% of the activation flow was captured at the AD or greater.

A Leaping Weir Calculation Template was developed in MS Excel to assist in standardizing the modeling approach for representing leaping weirs. Leaping weir representations in District's combined models were based on trajectory methodology and observation drawn from a performance evaluation using flow monitoring data at Regulator I-09, as summarized in a 5/13/99 tech memo from CG&S. Evaluation observed 1) 95% of total flow was captured at a depth equivalent to 33% of the activation depth (AD), 2) 90% of total flow was captured at a depth equivalent to 75% of the AD, 3) 75% of the activation flow was captured at the AD or greater.

There will be a slight variation in the modeled depth-flow relationship in the upstream conduit relative to those calculated for normal depth here. That is, an identical flow will cause a slightly different depth in the model than is calculated here. Therefore, the flow at zero depth was set at the corresponding flow for the 33% of the activation depth in order to prevent activations prior to the depth of 33% of the activation depth. This assumption was slightly different than the approach summarized in the tech memo and used previously for the Southerly and Big Creek models, but it is expected to provide a more realistic activation.

The Leaping Weir Calculation Template generates a Depth-Flow relationship for a range of upstream depths based on the physical description of the upstream sewer and leaping weir slot opening. **Figure E-2** illustrates the Leaping Weir Calculation Template for Circular sewers. A similar template was developed for egg-shaped sewers as well. An electronic version of this spreadsheet is provided by the District with a copy of this document. Design consultants are expected to use this template when modifying existing leaping weirs if no flow monitoring data is available. Cells highlighted as green are required input parameters specific to the leaping weir regulator. Cells highlighted as yellow are the depth/flow relationship to be incorporated into the model representation of the leaping weir.

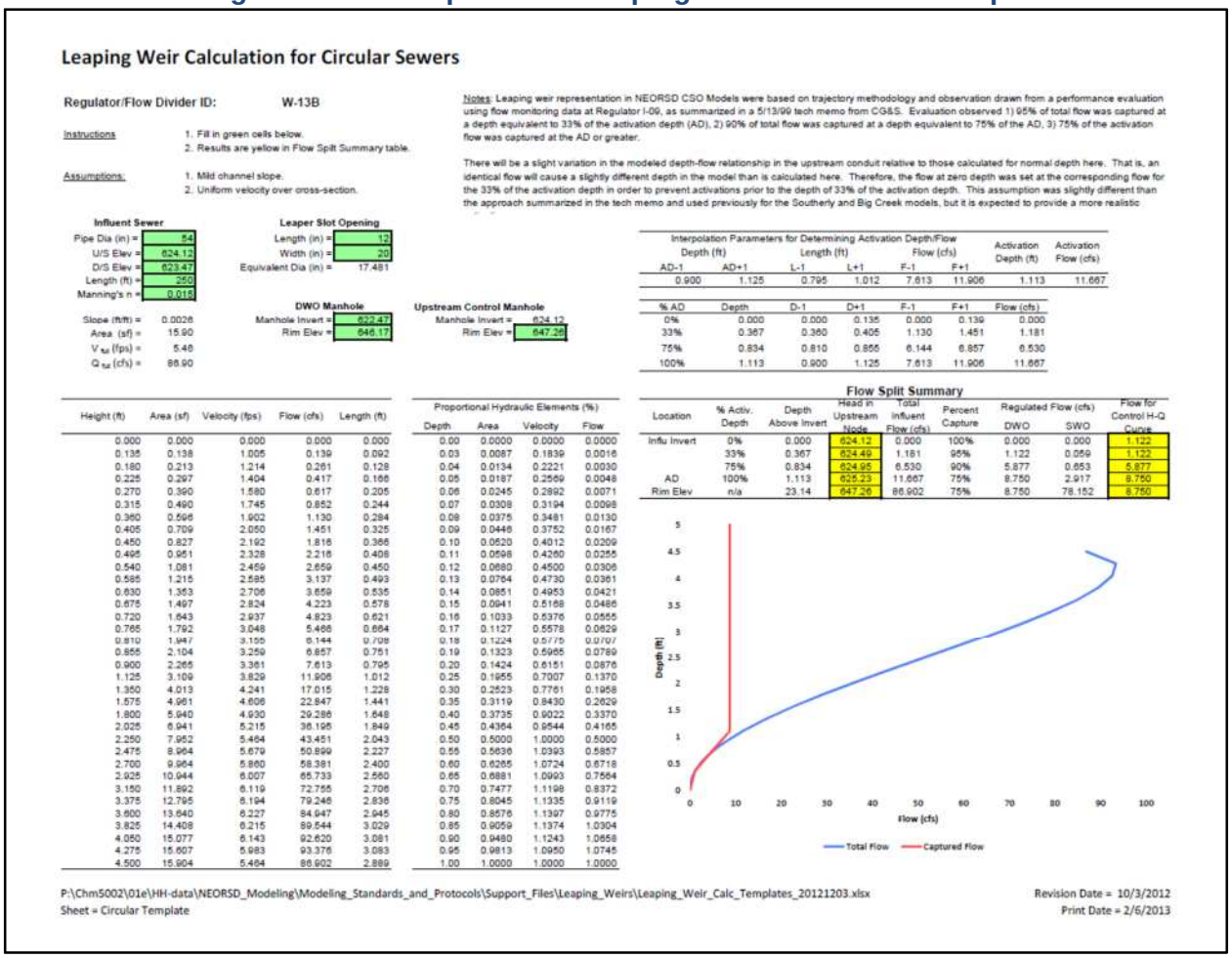
The following summary outlines the recommended protocols for representing leaping weirs in the District's InfoWorks ICM Models if flow monitoring data is not available:

- Leaping weirs should be represented using an orifice element with associated real-time controls (RTC) to simulation the head-discharge relationship developed in the provided Leaping Weir Calculation Template discussed above.
- The orifice element should be sized based on the existing DWO pipe size.
- The orifice invert elevation should be set equal to the upstream invert of the existing DWO pipe.
- Leaping weirs that were converted from MU were represented with primary and secondary orifice discharge coefficients of 10 in order to avoid creating significant additional head losses since the previous MU models did not account for additional

restrictions associated with the leaping weir opening size. If the hydraulic restriction associated with the leaping weir opening size is to be represented, then primary and secondary orifice discharge coefficients of 1 may be used.

- RTC rules should be set up to regulate the flow through the orifice element using the following criteria:
    - Upstream node of the influent sewer connecting to orifice element should be set as the sensor location.
    - The head-discharge relationship developed using the Leaping Weir Calculation Template should be used to regulate flow through orifice element.

Figure E-2. Example of the Leaping Weir Calculation Template.



Leaping Weir Calculation for Circular Sewers

Regulator/Flow Divider ID: W-13B

Instructions
1. Fill in green cells below.
2. Results are yellow in Flow Split Summary table.

Assumptions:
1. Mild channel slope.
2. Uniform velocity over cross-section.

Notes: Leaping weir representation in NEORSD CSO Models were based on trajectory methodology and observation drawn from a performance evaluation using flow monitoring data at Regulator I-09, as summarized in a 5/13/99 tech memo from CG&S. Evaluation observed 1) 95% of total flow was captured at a depth equivalent to 33% of the activation depth (AD), 2) 90% of total flow was captured at a depth equivalent to 75% of the AD, 3) 75% of the activation flow was captured at the AD or greater.

There will be a slight variation in the modeled depth-flow relationship in the upstream conduit relative to those calculated for normal depth here. That is, an identical flow will cause a slightly different depth in the model than is calculated here. Therefore, the flow at zero depth was set at the corresponding flow for the 33% of the activation depth in order to prevent activations prior to the depth of 33% of the activation depth. This assumption was slightly different than the approach summarized in the tech memo and used previously for the Southerly and Big Creek models, but it is expected to provide a more realistic

Influent Sewer
Pipe Dia (in) = 54
U/S Elev = 624.12
D/S Elev = 623.47
Length (ft) = 250
Manning's n = 0.015
Slope (ft/ft) = 0.0026
Area (sf) = 15.90
V full (fps) = 5.46
Q full (cfs) = 86.90

Leaper Slot Opening
Length (in) = 12
Width (in) = 20
Equivalent Dia (in) = 17.481

DWO Manhole
Manhole Invert = 622.47
Rim Elev = 646.17

Upstream Control Manhole
Manhole Invert = 624.12
Rim Elev = 647.26

Interpolation Parameters for Determining Activation Depth/Flow

Depth (ft)		Length (ft)		Flow (cfs)		Activation Depth (ft)	Activation Flow (cfs)
AD-1	AD+1	L-1	L+1	F-1	F+1		
0.900	1.125	0.795	1.012	7.613	11.906	1.113	11.667

% AD	Depth	D-1	D+1	F-1	F+1	Flow (cfs)
0%	0.000	0.000	0.135	0.000	0.139	0.000
33%	0.367	0.360	0.405	1.130	1.451	1.181
75%	0.834	0.810	0.855	6.144	6.857	6.530
100%	1.113	0.900	1.125	7.613	11.906	11.667

Height (ft)	Area (sf)	Velocity (fps)	Flow (cfs)	Length (ft)
0.000	0.000	0.000	0.000	0.000
0.135	0.138	1.005	0.139	0.092
0.180	0.213	1.214	0.261	0.128
0.225	0.297	1.404	0.417	0.166
0.270	0.390	1.580	0.617	0.205
0.315	0.490	1.745	0.852	0.244
0.360	0.596	1.902	1.130	0.284
0.405	0.709	2.050	1.451	0.325
0.450	0.827	2.192	1.816	0.366
0.495	0.951	2.328	2.216	0.406
0.540	1.081	2.459	2.659	0.450
0.585	1.215	2.585	3.137	0.493
0.630	1.353	2.706	3.659	0.535
0.675	1.497	2.824	4.223	0.578
0.720	1.643	2.937	4.823	0.621
0.765	1.792	3.048	5.466	0.664
0.810	1.947	3.155	6.144	0.708
0.855	2.104	3.259	6.857	0.751
0.900	2.265	3.361	7.613	0.795
1.125	3.109	3.829	11.906	1.012
1.350	4.013	4.241	17.015	1.228
1.575	4.961	4.606	22.847	1.441
1.800	5.940	4.930	29.286	1.648
2.025	6.941	5.215	36.195	1.849
2.250	7.952	5.464	43.451	2.043
2.475	8.964	5.679	50.899	2.227
2.700	9.964	5.860	58.381	2.400
2.925	10.944	6.007	65.733	2.560
3.150	11.892	6.119	72.755	2.706
3.375	12.795	6.194	79.246	2.836
3.600	13.640	6.227	84.947	2.945
3.825	14.408	6.215	89.544	3.029
4.050	15.077	6.143	92.620	3.081
4.275	15.607	5.983	93.376	3.083
4.500	15.904	5.464	86.902	2.889

Proportional Hydraulic Elements (%)			
Depth	Area	Velocity	Flow
0.00	0.0000	0.0000	0.0000
0.03	0.0087	0.1839	0.0016
0.04	0.0134	0.2221	0.0030
0.05	0.0187	0.2569	0.0048
0.06	0.0245	0.2892	0.0071
0.07	0.0308	0.3194	0.0098
0.08	0.0375	0.3481	0.0130
0.09	0.0446	0.3752	0.0167
0.10	0.0520	0.4012	0.0209
0.11	0.0598	0.4260	0.0255
0.12	0.0680	0.4500	0.0306
0.13	0.0764	0.4730	0.0361
0.14	0.0851	0.4953	0.0421
0.15	0.0941	0.5168	0.0486
0.16	0.1033	0.5376	0.0555
0.17	0.1127	0.5578	0.0629
0.18	0.1224	0.5775	0.0707
0.19	0.1323	0.5965	0.0789
0.20	0.1424	0.6151	0.0876
0.25	0.1955	0.7007	0.1370
0.30	0.2523	0.7761	0.1958
0.35	0.3119	0.8430	0.2629
0.40	0.3735	0.9022	0.3370
0.45	0.4364	0.9544	0.4165
0.50	0.5000	1.0000	0.5000
0.55	0.5636	1.0393	0.5857
0.60	0.6265	1.0724	0.6718
0.65	0.6881	1.0993	0.7564
0.70	0.7477	1.1198	0.8372
0.75	0.8045	1.1335	0.9119
0.80	0.8576	1.1397	0.9775
0.85	0.9059	1.1374	1.0304
0.90	0.9480	1.1243	1.0658
0.95	0.9813	1.0950	1.0745
1.00	1.0000	1.0000	1.0000

Flow Split Summary

Location	% Activ. Depth	Depth Above Invert	Head in Upstream Node	Total Influent Flow (cfs)	Percent Capture	Regulated Flow (cfs) DWO	Regulated Flow (cfs) SWO	Flow for Control H-Q Curve
Influ Invert	0%	0.000	624.12	0.000	100%	0.000	0.000	1.122
	33%	0.367	624.49	1.181	95%	1.122	0.059	1.122
	75%	0.834	624.95	6.530	90%	5.877	0.653	5.877
AD	100%	1.113	625.23	11.667	75%	8.750	2.917	8.750
Rim Elev	n/a	23.14	647.26	86.902	75%	8.750	78.152	8.750

P:\Chm5002\01e\HH-data\NEORSD_Modeling\Modeling_Standards_and_Protocols\Support_Files\Leaping_Weirs\Leaping_Weir_Calc_Templates_20121203.xlsx
Sheet = Circular Template

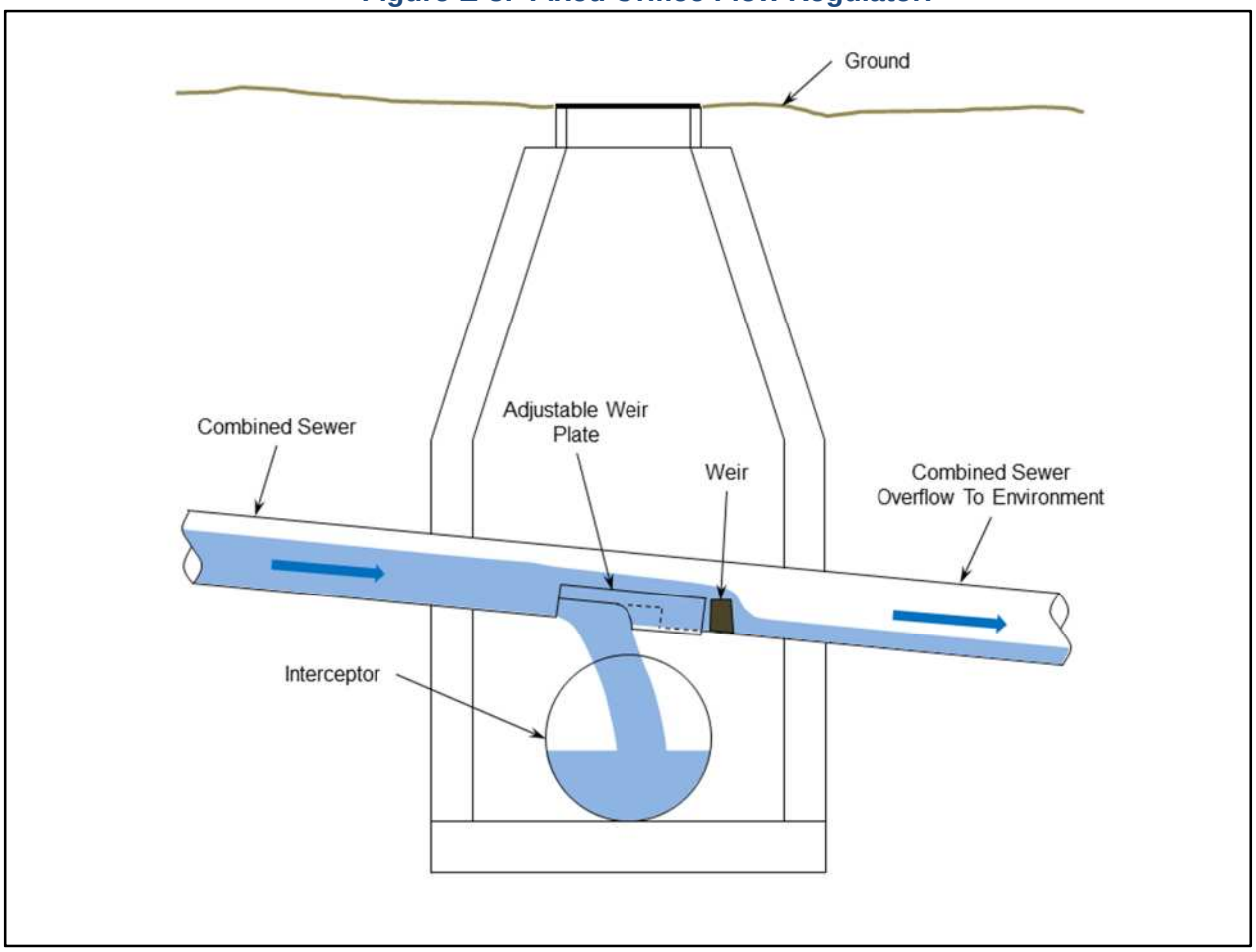
Revision Date = 10/3/2012
Print Date = 2/6/2013

The Leaping Weir Calculation Template is not applicable for leaping weirs with weir structures located downstream of leaping weir slot openings in the SWO pipe as illustrated in **Figure E-3**. In this scenario, the weir forces the leaping weir slot opening to behave as a bottom orifice and overflow is primarily controlled by the weir configuration. The following summary outlines the recommended protocols for representing this condition in the District's InfoWorks ICM Models:

- Leaping weirs should be represented using a sluice gate element. No real-time controls (RTC) to simulate the head-discharge relationship are necessary.

- The sluice gate element should be sized with an equivalent cross-sectional area to the slot opening in conjunction with a height opening of 3 inches.
- The sluice gate invert elevation should be set equal to the upstream invert elevation of the influent sewer.
- Primary and secondary orifice discharge coefficients should comply with standard protocols.

Figure E-3. Fixed Orifice Flow Regulator.



Appendix F. CSO Model Validation Standards and Protocol

Updating the CSO model network, or upgrading model software version, may cause unintended changes in model results or introduce errors (e.g., failure to properly connect proposed model changes to the existing model). The probability for unintended consequences can be reduced by validation procedures, including a comparison of new model results to the previous model results (e.g., results for the parent model). It is suggested that the 5-yr, 6-hr duration storm event be compared to previous model results upon check-in of the new model. An IW statistical template can be defined to compare representative locations in the model, for example:

- Peak flow and volume at overflow locations
- Peak level at loading nodes throughout the system.

Thresholds shall be defined for classifying model changes as negligible, minor, or potentially significant. Potentially significant changes should be explained based upon changes to the model network or other factors. The following table defines thresholds for classifying model changes.

Table F-1. Recommended Model Validation Thresholds.

Parameter	Negligible	Minor	Potentially Significant
Peak Flow	< 2 % Change	3% - 10%	> 10%
Total Flow	< 2 % Change	3% - 10%	> 10%
Peak Level	< 0.02 ft	0.02 – 0.1 ft	> 0.1 ft

Appendix G. Recommended Simulation Parameters of InfoWorks

Table G-1 is a complete list of network simulation parameters in IW recommended for use with the District's CSO Models. A comparable set of parameters are not available for MU.

Table G-1. IW Simulation Parameters.

Parameter	Value	
	Initialization	Simulation
Minimum Base Flow Depth (ft)	0.016	
Base Flow Factor	0.05	
Slope Where Base Flow Is Doubled (%)	10	
Minimum Space Step (ft)	1.64	
Maximum Space Step (ft)	328.08	
Conduit Width Multiplier	20	
Minimum Number Of Computational Nodes	5	
Minimum Slot Width (ft)	0.00328	
Celerity Ratio	14.41	
Lower Froude Number	0	
Upper Froude Number	1	
Start Timestep (s)	7.5	
Maximum Timestep (s)	1920	
Phase-in Time (min)	15	
Steady State Tolerance For Flow (MGD)	0.01141	
Steady State Tolerance For Depth (ft)	0.016404	
Maximum Number Of Timestep Halvings	10 *	10 *
Maximum Number Of Iterations	20	20
Maximum Number Of Iterations After Doubling	7	7
Tolerance For Flow	0.01	0.01
Flow Tolerance Scaling Factor	1	1
Tolerance For Depth	0.01	0.01
Depth Tolerance Scaling Factor	1	1
Tolerance For Level	0.01	0.01
Level Tolerance Scaling Factor	1	1
Minimum Depth In Conduits (ft)	0.03281	0.03281
Minimum Plan Area At Nodes (ft2)	0.8	0.8
Time Weighting Factor	1	0.65
Tolerance For Volume Balance	0	0.01
Volume Balance Tolerance Scaling Factor	1	1
Relax tolerance from run t/s	TRUE	TRUE
Stay pressurised	FALSE	
Don't linearise conveyance	FALSE	
No. of geometry table entries	15	
Use full area for headloss calculations	FALSE	
Inflow is lateral	FALSE	
Bottom of headloss transition	0	
Top of headloss transition	0	
Use Villemonte equation	FALSE	
Drop inertia in pressure pipes	TRUE	
Use 2d elevations instead of depths	FALSE	
* These values can be increased if needed for model convergence, but any increase must be noted in model documentation		

Appendix H. Model Calibration Example Documentation

This Appendix provides an example of the recommended level of documentation expected of Consultants in demonstrating the quality of their calibration work as discussed in Section 5.4. The actual documentation does not need to follow an identical format. At a minimum though, the documentation should include the following items:

- Regression plots of model versus meter peak flow rates for the individual events. Plots should include best-fit trend line/equation and identification of outlier events.
- Regression plots of model versus meter total event volumes for the individual events. Plots should include best-fit trend line/equation and identification of outlier events.
- Time series plots of the all individual events showing model and meter time series for flow in addition to depth as appropriate. Time series plots should include comparison table of peak flows, peak depths, and total volumes.
- Velocity-Depth scattergraph for each meter showing the model and meter time series for entire flow monitoring period.
- Consultant is expected to identify individual events per meter location that do not meet the District's calibration criteria, referred to as outliers, and provide an explanation for not meeting criteria.
  - Consultants are to provide a summary of calibration results per meter discussing the following, if applicable:
    - Number of events meeting the criteria for flow, depth, and volume.
    - Events identified as outlier events accompanied with an explanation justifying the decision.
    - Unforeseen issues not identified during the flow monitoring program that may have prevented the District's calibration criteria from being achieved.
    - Specific modeling techniques implemented into the model to support calibration performance.

Meter: DV17-U1

Total Tributary Area:
157.3 ac Combined
154.3 ac Sanitary
52.0 ac Storm

Upstream Meters: DV17-U2

Pipe Size: 84" Circular

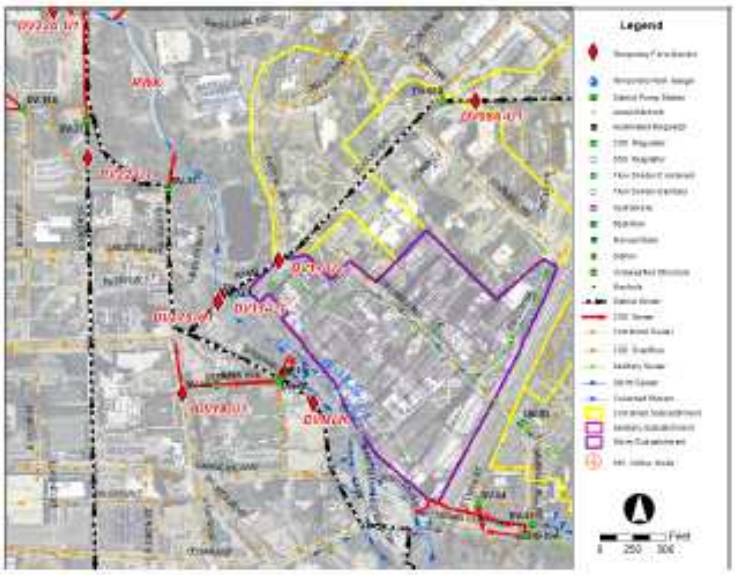
Material: Brick

Primary Purpose: Measure inflows to DV-17 and proposed MLK-2 shaft

Install Type: Standard

Date Installed: 3/30/2015

Date Uninstalled: 8/6/2015



Event Type	Calibration/ Validation Rainfall Events	Within Modeling Standards Criteria Per		
		Volume	Peak Flow	Peak Depth
DWF	3	2 (67%)	0 (0%)	2 (67%)
Calibration	10	9 (90%)	6 (60%)	6 (60%)
Verification	5	3 (60%)	3 (60%)	5 (100%)

DWF Calibration

- Total baseflow of 0.45 MGD was allocated to upstream subcatchments uniquely tributary to this meter based on an area-weighting approach.
- No population is uniquely tributary to this meter.
- Volume and peak depth comparisons fall within the District's targeted guidelines for DWF periods 1 (April 27th) and 2 (May 19th).
  - Peak flow in each DWF period was under-predicted due to inconsistent spikes in the metered diurnal patterns which skewed the comparisons.
  - DWF was shown to have increased in July compared to previous month thereby skewing volume and peak flow comparisons for the DWF period 3 (July 22nd).
- Calibration results indicated differences in model and meter for the three DWF periods are as follows:
  - Total volume: -9%, -7%, and -19%, respectively, with an overall average of -12%

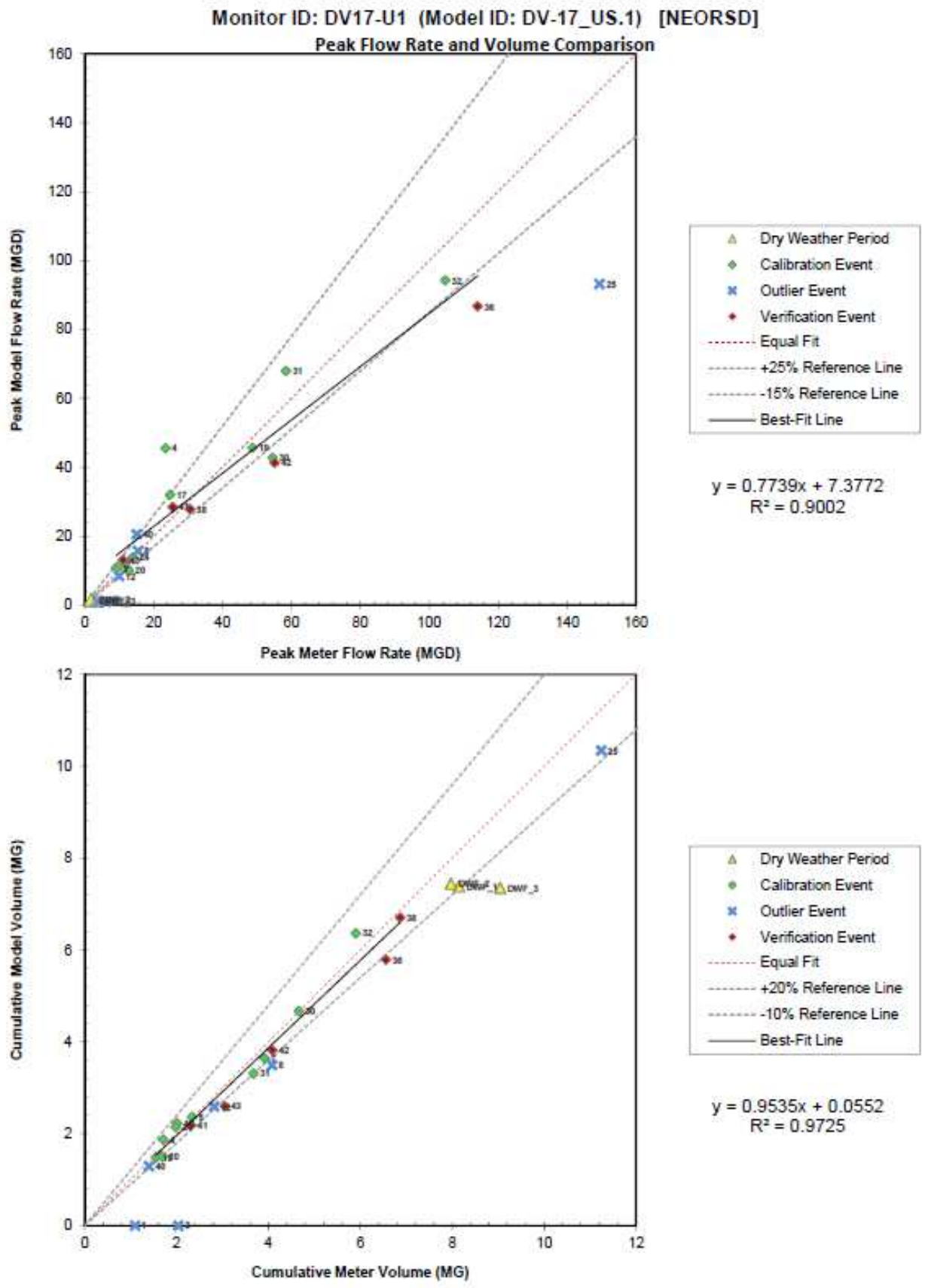
- Peak flows: -32%, -19%, and -59%, respectively, with an overall average of -37%
- Peak depths: -0.06 ft, -0.01 ft, and -0.48 ft, respectively, with an overall average of -0.18 ft

WWF Calibration

- Regression plot shows the comparison of total event volumes agreed well for both calibration and verification events with at least 60% meeting the District's targeted guidelines.
- Regression plot shows the comparison of peak flows agreed well for both calibration and verification events with at least 60% meeting the District's targeted guidelines.
- Velocity-depth scatterplots provide a more complete picture of the full range of hydraulic conditions throughout the monitoring period and not solely focused on individual event peaks. The scatterplot for this meter shows a reasonable agreement between the meter and model.
  - A 24 inch diameter orifice element was added to the DV-17 model representation to assist in matching the associated losses with the flow regulator structure (see figure below).

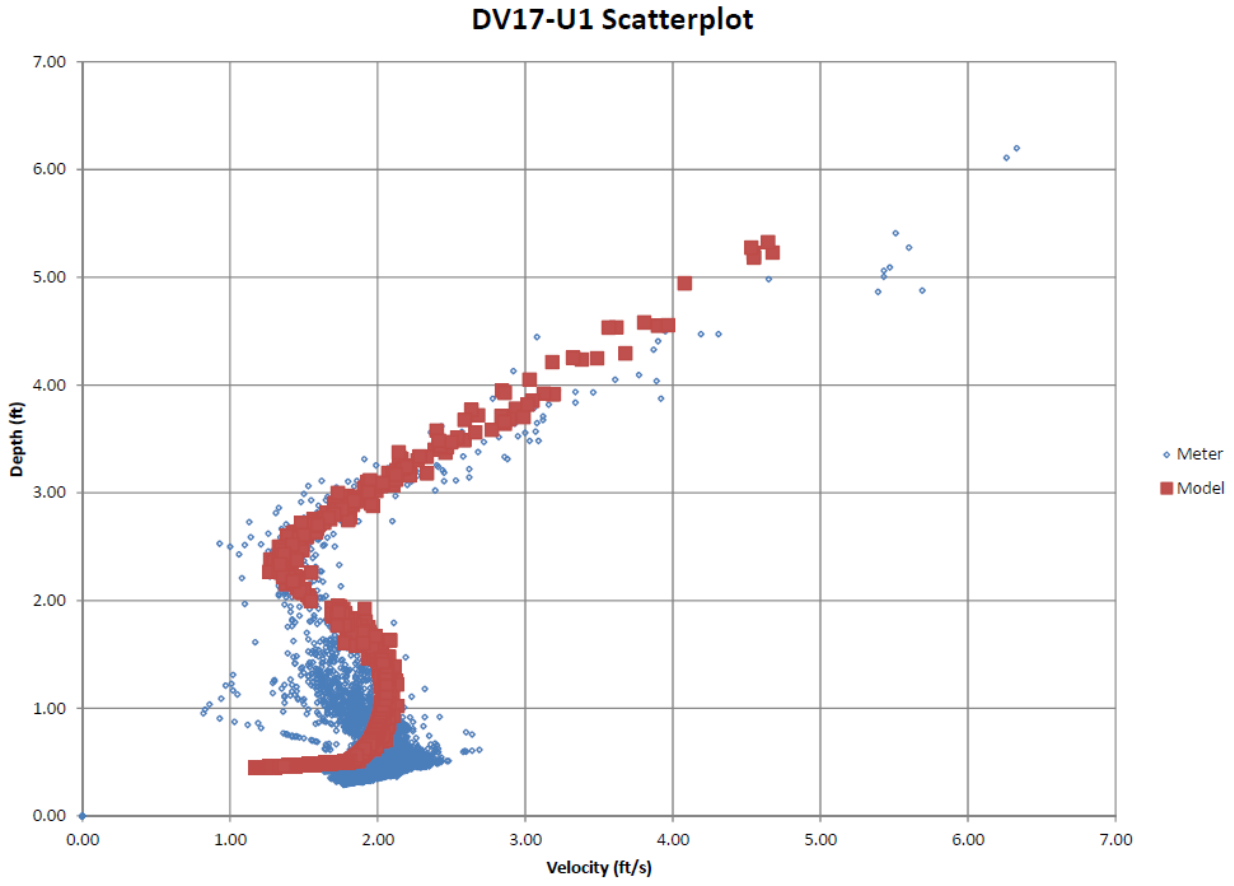
Outliers

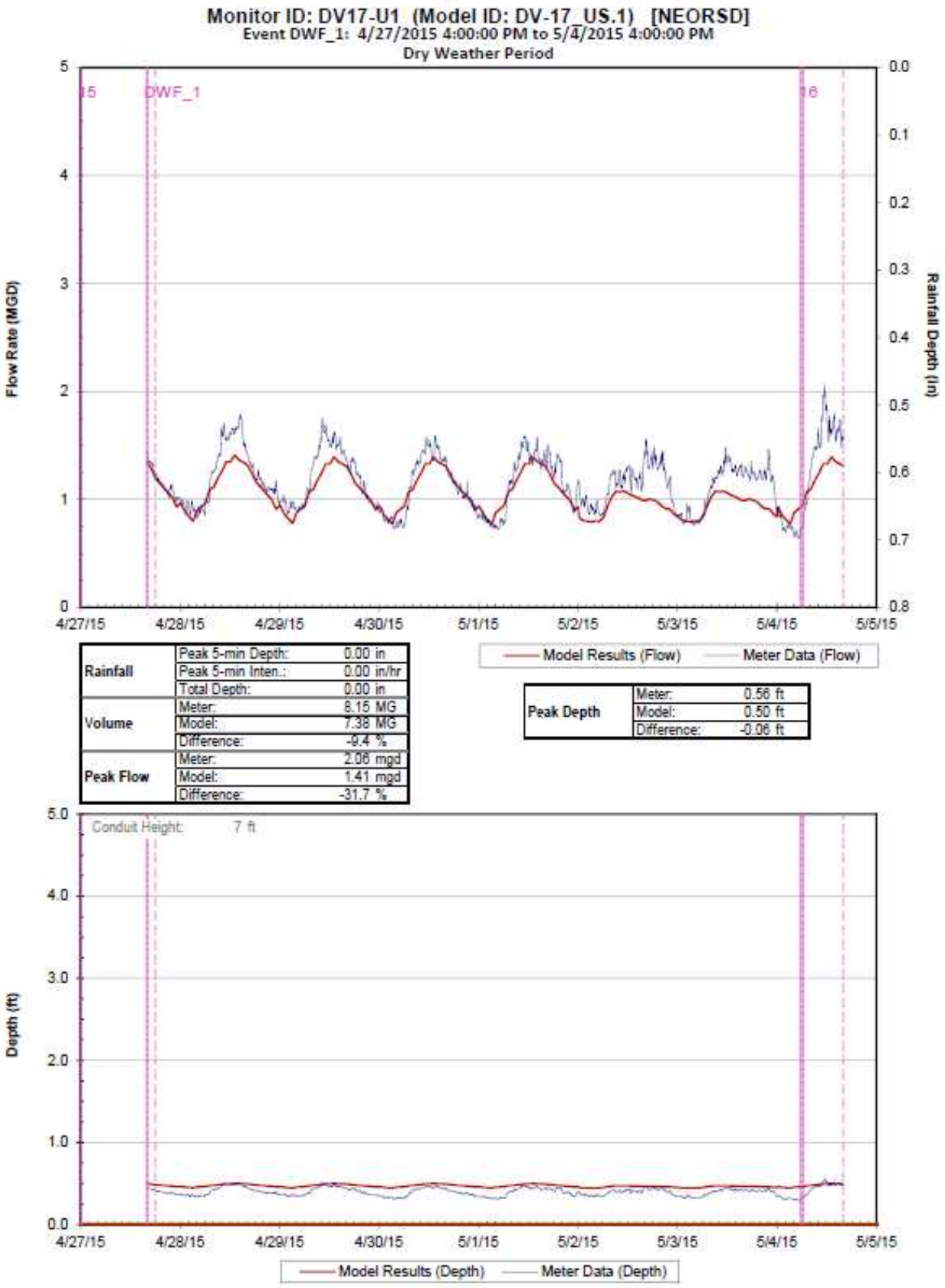
- Event 25 (May 30th): Recorded peaks in flow and depth were not proportional to the size of the rainfall event compared to other events, such as events 17, 38, and 32, which are similar or smaller in rainfall total volume and peak intensity. The same discrepancy is observed at several meters (DV17-U2, DV08A-U1, and DV59-U1) for the same event. This calls into question the reliability of the radar-rainfall during the event and supports that it is less likely flow meter performance issue.

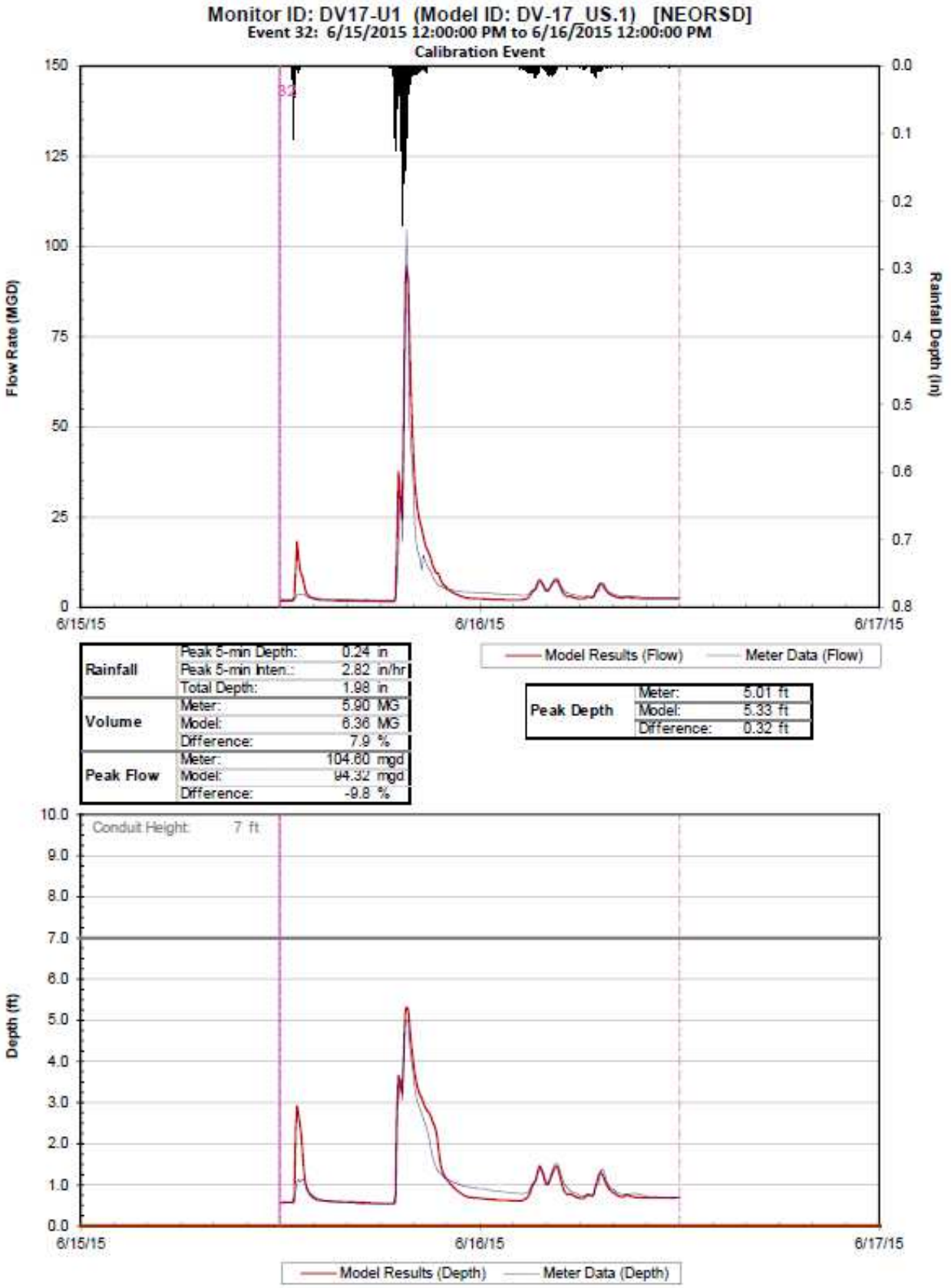

Monitor ID: DV17-U1 (Model ID: DV-17_US.1) [NEORSD]
Peak Flow Rate and Volume Comparison
Peak Model Flow Rate (MGD)
Peak Meter Flow Rate (MGD)
Dry Weather Period
Calibration Event
Outlier Event
Verification Event
Equal Fit
+25% Reference Line
-15% Reference Line
Best-Fit Line
y = 0.7739x + 7.3772
R² = 0.9002
Cumulative Model Volume (MG)
Cumulative Meter Volume (MG)
Dry Weather Period
Calibration Event
Outlier Event
Verification Event
Equal Fit
+20% Reference Line
-10% Reference Line
Best-Fit Line
y = 0.9535x + 0.0552
R² = 0.9725

Model Calibration and Verification Event Statistics for Meter DV17-U1

Event	Start Date/Time	End Date/Time	Volume (MG)			Peak Flow (MGD)			Peak Depth (ft)		
			Meter	Model	% Difference	Meter	Model	% Difference	Meter	Model	Difference
Calibration Events											
4	4/2/2015 12:00	4/3/2015 8:00	1.71	1.86	9.1%	23.44	45.57	94.4%	3.26	3.91	0.66
5	4/3/2015 12:00	4/5/2015 0:00	2.34	2.36	1.2%	9.13	10.85	18.8%	1.87	2.45	0.59
7	4/7/2015 0:00	4/9/2015 6:00	3.91	3.64	-6.7%	10.08	11.53	14.4%	2.04	2.51	0.47
17	5/5/2015 22:00	5/6/2015 14:00	2.01	2.23	11.0%	24.74	32.02	29.4%	3.22	3.49	0.27
19	5/11/2015 18:00	5/12/2015 6:00	1.55	1.48	-4.2%	48.66	45.70	-6.1%	3.94	3.92	-0.02
20	5/15/2015 8:00	5/16/2015 8:00	1.69	1.50	-11.1%	12.73	10.02	-21.3%	2.67	2.34	-0.33
24	5/27/2015 14:00	5/28/2015 12:00	1.98	2.15	8.4%	13.84	13.83	-0.1%	2.77	2.67	-0.10
30	6/12/2015 14:00	6/13/2015 21:00	4.65	4.67	0.3%	54.45	42.80	-21.4%	4.05	3.85	-0.20
31	6/14/2015 12:00	6/15/2015 12:00	3.67	3.31	-9.9%	58.39	68.02	16.5%	4.04	4.58	0.54
32	6/15/2015 12:00	6/16/2015 12:00	5.90	6.36	7.9%	104.60	94.32	-9.8%	5.01	5.33	0.32
Verification Events											
36	6/22/2015 17:00	6/24/2015 7:00	6.55	5.79	-11.6%	114.00	86.75	-23.9%	5.28	5.08	-0.20
38	6/27/2015 0:00	6/29/2015 13:00	6.86	6.70	-2.3%	30.55	27.82	-8.9%	3.34	3.33	-0.01
41	7/7/2015 12:00	7/8/2015 12:00	2.32	2.18	-5.9%	25.49	28.46	11.7%	3.24	3.33	0.10
42	7/9/2015 0:00	7/10/2015 8:00	4.08	3.82	-6.4%	55.14	41.36	-25.0%	4.03	3.80	-0.23
43	7/12/2015 12:00	7/14/2015 0:00	3.05	2.60	-14.8%	11.10	13.09	17.9%	2.48	2.62	0.13




Monitor ID: DV17-U1 (Model ID: DV-17_US.1) [NEORSD]
Event DWF_1: 4/27/2015 4:00:00 PM to 5/4/2015 4:00:00 PM
Dry Weather Period
15
DWF_1
16
Flow Rate (MGD)
Rainfall Depth (in)
4/27/15
4/28/15
4/29/15
4/30/15
5/1/15
5/2/15
5/3/15
5/4/15
5/5/15
Model Results (Flow)
Meter Data (Flow)
Rainfall
Peak 5-min Depth: 0.00 in
Peak 5-min Inten.: 0.00 in/hr
Total Depth: 0.00 in
Volume
Meter: 8.15 MG
Model: 7.38 MG
Difference: -9.4 %
Peak Flow
Meter: 2.06 mgd
Model: 1.41 mgd
Difference: -31.7 %
Peak Depth
Meter: 0.56 ft
Model: 0.50 ft
Difference: -0.06 ft
Conduit Height: 7 ft
Depth (ft)
Model Results (Depth)
Meter Data (Depth)


Monitor ID: DV17-U1 (Model ID: DV-17_US.1) [NEORSD]
Event 32: 6/15/2015 12:00:00 PM to 6/16/2015 12:00:00 PM
Calibration Event
Flow Rate (MGD)
Rainfall Depth (in)
150
125
100
75
50
25
0
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
6/15/15
6/16/15
6/17/15
Model Results (Flow)
Meter Data (Flow)
Rainfall
Peak 5-min Depth: 0.24 in
Peak 5-min Inten.: 2.82 in/hr
Total Depth: 1.98 in
Volume
Meter: 5.90 MG
Model: 6.36 MG
Difference: 7.9 %
Peak Flow
Meter: 104.60 mgd
Model: 94.32 mgd
Difference: -9.8 %
Peak Depth
Meter: 5.01 ft
Model: 5.33 ft
Difference: 0.32 ft
Conduit Height: 7 ft
Depth (ft)
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
6/15/15
6/16/15
6/17/15
Model Results (Depth)
Meter Data (Depth)

Appendix I. CSO Statistics Templates

CSO statistics templates have been developed in MS EXCEL format for each District CSO model to assist in quantifying CSO volume and frequency statistics. Electronic copies of these templates will be provided with each project model. Refer to Section 6.6 or the instruction tab within the excel file for instruction on how to use the CSO statistic template. Please contact the District's Project Manager if further assistance is needed.

Appendix J. Guidelines for Adjusting Original Modeled Hydrology Parameters that Do Not Reflect GIS Estimates for Green Infrastructure Controls

Consultants should apply the methodology described in this appendix if the following criteria apply to the original subcatchment in which GI controls are being considered:

- There is a significant difference in total subcatchment area used in the CSO model compared to what is estimated in GIS based on current subcatchment delineation.
- There is a significant difference in the percent imperviousness used in the CSO model compared to what is estimated in GIS based on current subcatchment delineation.

A subcatchments percent imperviousness in the District's CSO Models is defined by the three runoff surface parameters. Consultants are expected to adjust these parameters when reallocating the percent imperviousness (Runoff Surface 1 and/or 2) versus perviousness to represent the impact of GI controls within a subcatchment.

- Runoff Surface 1 = Percent of total contributing subcatchment area that is covered by impervious surfaces with depression storage (e.g., roads and parking lots)
- Runoff Surface 2 = Percent of total contributing subcatchment area that is covered by impervious surfaces without depression storage (e.g., roofs)
- Runoff Surface 3 = Percent of total contributing subcatchment area that is covered by permeable surfaces (e.g., lawns)

The method described below preserves the ratio of the original subcatchment area to percent of runoff surface types as determined during the original model calibration. This ratio can be thought of as the calibration ratio, and can be expressed as:

$$\frac{Modeled\ Subcatchment\ Area}{GIS\ Estimated\ Area} = \frac{\boldsymbol{Adjusted\ Model\ Parameter}}{GIS\ Estimated\ Parameter}$$

Where,

Modeled Subcatchment Area = Subcatchment acreage currently used in the CSO Model. This is understood to be the contributing area identified during the original model calibration as part of the District's CSO Phase II facilities planning.

GIS Estimated Area = Subcatchment acreage estimated in GIS based on the current delineation available in the CSO Model.

GIS Estimated Parameter = Subcatchment parameter (i.e., Subcatchment area, percent imperviousness (runoff Surface 1 or 2), percent perviousness (runoff surface 3)) estimated in GIS that is targeted to be adjusted to reflect impact of GI controls.

Adjusted Model Parameter = New subcatchment parameter to be incorporated into the CSO Model to reflect the impact of a proposed GI control.

Solving for the Adjusted Model Parameter yields:

$$\boldsymbol{Adjusted\ Model\ Parameter} = \frac{Modeled\ Subcatchment\ Area}{GIS\ Estimated\ Area} * GIS\ Estimated\ Parameter$$

The total amount of impervious and pervious area should remain the same for the subdivided catchments as for the original catchment. The following formulas illustrate the calculation.

$$RS1\%_{GI}\ x\ Total\ Area_{GI} + RS1\%_{\ remaining}\ x\ Total\ Area_{remaining} = RS1\%_{original}\ x\ Total\ Area_{original}$$

$$RS2\%_{GI}\ x\ Total\ Area_{GI} + RS2\%_{\ remaining}\ x\ Total\ Area_{remaining} = RS2\%_{original}\ x\ Total\ Area_{original}$$

$$RS3\%_{GI}\ x\ Total\ Area_{GI} + RS3\%_{\ remaining}\ x\ Total\ Area_{remaining} = RS3\%_{original}\ x\ Total\ Area_{original}$$

In addition to the adjustments for area and percent imperviousness of the subcatchment, adjustments should be made to the Dimension parameter (i.e., subcatchment width) to maintain the same flow length as identified in the Phase II model calibration using the following ratio:

$$\frac{Modeled\ Subcatchment\ Area}{Modeled\ Subcatchment\ Width} = \frac{GIS\ Estimated\ Area}{\boldsymbol{Adjusted\ Subcatchment\ Width}}$$

Appendix K. Naming Convention for New Structures

This Appendix provides the standard naming convention for Consultants to use when naming new/proposed structures for tunnels and relief sewer projects.

Naming Format for Tunnel Structures:

[*Project ID*] – [*Structure ID*] - [*Structure Type*] [*Numerical ID (optional)*]

Project ID = Project/contract acronym or tunnel segment if different from project acronym (Maximum of 4 characters).

Structure ID = Numerical ID with IDs in ascending order from downstream to upstream of projects most downstream point (Maximum of 2 characters). The numbers are associated with the number of sites on the project.

Structure Type = Abbreviation from table below indicating type of structure (Maximum of 3 characters).

Numerical ID = This portion is optional. Additional numerical ID to use if multiple structures of same type are tributary to a common downstream structure or each other (Maximum of 2 characters).

New Structure Type	Acronym
Tunnel Shaft	SH
Diversion Structure	DV
Drop Structure	DP
Gate Structure	GS
Overflow Structure	OF
Regulator (near surface)	RG
Flow Divider (near surface)	FD
Junction	JN
Manhole	MH
Backflow	BF
Gate Control Vault	GC
Ventilation Vault	VV

Example: The following is an example of a proposed manhole upstream of a tunnel shaft named DVT-2.

DVT-2-MH01

Naming Format for Near-Surface Sewer Structures:

[*Project ID*] – [*Structure Type*] [*Structure ID (optional)*]

Project ID =	Project/contract acronym or tunnel segment if different from project acronym (Maximum of 4 characters).
Structure Type =	Abbreviation from table above indicating type of structure (Maximum of 3 characters).
Structure ID =	This portion is optional. Additional numerical ID to use if multiple structures of same type are tributary to a common downstream structure or each other. IDs should be in ascending order from downstream to upstream (Maximum of 2 characters).

Example: The following is an example of a proposed manhole associated with the E140CRS design project.

E140-MH01

Appendix

Current CSO and Bypass Reports Submitted to OEPA (IX. Paragraph 46.d.)

CSO Permit eDMR Reports

Second Half of 2016

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18	1	0.1498					
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum	1.0	0.1498					
Maximum	1.0	0.1498					
Average	1	0.1498					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							1
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							1
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							1
2016-07-14							
2016-07-15							
2016-07-16							1
2016-07-17							
2016-07-18							1
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							1
2016-07-30							1
2016-07-31							1
Minimum							1.0
Maximum							1.0
Average							1
Count							8

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04	0.0495						
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08	0.0693						
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13	0.1303						
2016-07-14	0.0155						
2016-07-15							
2016-07-16	0.1135						
2016-07-17							
2016-07-18	1.204						
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29	8.276						
2016-07-30	0.5393						
2016-07-31	0.06						
Minimum	0.0155						
Maximum	8.276						
Average	1.16193						
Count	9						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31	1	0.2046					
Minimum	1.0	0.2046					
Maximum	1.0	0.2046					
Average	1	0.2046					
Count	1	1					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13	1	0.0088					
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29	1	0.0171					
2016-07-30							
2016-07-31							
Minimum	1.0	0.0088					
Maximum	1.0	0.0171					
Average	1	0.01295					
Count	2	2					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							1
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							1
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							1
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							1
Minimum							1.0
Maximum							1.0
Average							1
Count							4

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08	0.7134						
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13	0.2601						
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18	1.0027						
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31	0.7126						
Minimum	0.2601						
Maximum	1.0027						
Average	0.6722						
Count	4						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08	1	AE					
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16	1	0.5454					
2016-07-17							
2016-07-18	1	1.9493					
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31	1	1.1716					
Minimum		0.5454					
Maximum		1.9493					
Average		1.2221					
Count		3					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							1
2016-07-17							
2016-07-18							1
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							2

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16	0.0058						
2016-07-17							
2016-07-18	0.0059						
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum	0.0058						
Maximum	0.0059						
Average	0.00585						
Count	2						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04	1	0.098					
2016-07-05							
2016-07-06	1	0.028					
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13	1	0.126					
2016-07-14							
2016-07-15							
2016-07-16	1	0.378					
2016-07-17							
2016-07-18	1	0.238					
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum	1.0	0.028					
Maximum	1.0	0.378					
Average	1	0.1736					
Count	5	5					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							1
2016-07-14							
2016-07-15							
2016-07-16							1
2016-07-17							
2016-07-18							1
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							3

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13	0.0348						
2016-07-14							
2016-07-15							
2016-07-16	0.0133						
2016-07-17							
2016-07-18	0.0318						
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum	0.0133						
Maximum	0.0348						
Average	0.02663						
Count	3						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2016-07-01	AH	AH					
2016-07-02	AH	AH					
2016-07-03	AH	AH					
2016-07-04	AH	AH					
2016-07-05	AH	AH					
2016-07-06	AH	AH					
2016-07-07	AH	AH					
2016-07-08	AH	AH					
2016-07-09	AH	AH					
2016-07-10	AH	AH					
2016-07-11	AH	AH					
2016-07-12	AH	AH					
2016-07-13	AH	AH					
2016-07-14	AH	AH					
2016-07-15	AH	AH					
2016-07-16	AH	AH					
2016-07-17	AH	AH					
2016-07-18	AH	AH					
2016-07-19	AH	AH					
2016-07-20	AH	AH					
2016-07-21	AH	AH					
2016-07-22	AH	AH					
2016-07-23	AH	AH					
2016-07-24	AH	AH					
2016-07-25	AH	AH					
2016-07-26	AH	AH					
2016-07-27	AH	AH					
2016-07-28	AH	AH					
2016-07-29	AH	AH					
2016-07-30	AH	AH					
2016-07-31	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-07-01							1
2016-07-02							
2016-07-03							
2016-07-04							1
2016-07-05							
2016-07-06							1
2016-07-07							
2016-07-08							1
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							1
2016-07-14							
2016-07-15							
2016-07-16							1
2016-07-17							
2016-07-18							1
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							7

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-07-01	0.0332						
2016-07-02							
2016-07-03							
2016-07-04	0.1716						
2016-07-05							
2016-07-06	0.0012						
2016-07-07							
2016-07-08	0.1857						
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13	0.135						
2016-07-14	0.0871						
2016-07-15							
2016-07-16	0.2599						
2016-07-17							
2016-07-18	0.058						
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum	0.0012						
Maximum	0.2599						
Average	0.11646						
Count	8						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	602663	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave CLEVELAND, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-19 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: 3826 Euclid Ave
CLEVELAND, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2016-07-01** To: **2016-07-31**

GENERAL REPORT COMMENT:
Sampling required two times per year. WR-34 is the dominant regulator for CSO-088. On July 8, 2016 the level sensor at WR-34 indicated an overflow event. However, the flow meter downstream of the weir was out of service. To determine an estimated volume of discharge for eDMR reporting purposes, the District's CSO model was run. The CSO model did not indicate an overflow for July 8, 2016. Because of the discrepancy between the results of the model run and the data from the level sensor, the "AE" reporting code has been used. This discrepancy is due to the very short duration and/or low volume for the event. A new flow meter was installed at WR-34 on July 26, 2016.

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
088	Overflow Volume	74063	2016-07-08	Million Gallons	The upstream level data indicated an activation, however the flow monitor was out of service. See general report comment.
232	Overflow Occurrence per Year	51709	2016-07-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2016-07-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-07-31	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2016-07-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-07-31	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	0.3505					
2016-08-10	1	0.4163					
2016-08-11	1	0.1658					
2016-08-12	1	0.1852					
2016-08-13							
2016-08-14	1	0.0308					
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	1	0.2197					
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	1.0	0.0308					
Maximum	1.0	0.4163					
Average	1	0.22805					
Count	6	6					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							1
2016-08-10							1
2016-08-11							1
2016-08-12							
2016-08-13							1
2016-08-14							1
2016-08-15							
2016-08-16							1
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							1
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							7

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	7.1939						
2016-08-10	1.0823						
2016-08-11	6.0543						
2016-08-12	2.0398						
2016-08-13	0.5617						
2016-08-14	0.1873						
2016-08-15							
2016-08-16	0.0607						
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	8.9943						
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	0.0607						
Maximum	8.9943						
Average	3.27179						
Count	8						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	0.0457					
2016-08-10							
2016-08-11	1	0.0307					
2016-08-12	1	0.0251					
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	1.0	0.0251					
Maximum	1.0	0.0457					
Average	1	0.03383					
Count	3	3					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	1.2					
2016-08-10	1	0.63					
2016-08-11	1	0.21					
2016-08-12	1	0.14					
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	1	0.31					
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	1.0	0.14					
Maximum	1.0	1.2					
Average	1	0.498					
Count	5	5					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	0.0137					
2016-08-10							
2016-08-11	1	0.2890					
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	1	0.9327					
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	1.0	0.0137					
Maximum	1.0	0.9327					
Average	1	0.4118					
Count	3	3					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	4.0481					
2016-08-10	1	1.6864					
2016-08-11							
2016-08-12							
2016-08-13	1	0.0203					
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	1	3.1397					
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	1.0	0.0203					
Maximum	1.0	4.0481					
Average	1	2.22363					
Count	4	4					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	0.8107					
2016-08-10	1	0.5469					
2016-08-11	1	0.3284					
2016-08-12	1	0.4280					
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	1	0.3027					
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	1.0	0.3027					
Maximum	1.0	0.8107					
Average	1	0.48334					
Count	5	5					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	0.1308					
2016-08-10	1	0.0373					
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	1.0	0.0373					
Maximum	1.0	0.1308					
Average	1	0.08405					
Count	2	2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							1
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							1
2016-08-10							1
2016-08-11							1
2016-08-12							
2016-08-13							1
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							1
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							6

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05	0.1717						
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	0.9443						
2016-08-10	1.2199						
2016-08-11	2.2750						
2016-08-12							
2016-08-13	0.2682						
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	1.9821						
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	0.1717						
Maximum	2.275						
Average	1.14353						
Count	6						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	1.717					
2016-08-10	1	0.1717					
2016-08-11	1	0.1717					
2016-08-12							
2016-08-13	1	0.1818					
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	1	0.1313					
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum		0.1313					
Maximum		1.717					
Average		0.4747					
Count		5					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							1
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							1

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	0.0008						
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	8.0E-4						
Maximum	8.0E-4						
Average	0.0008						
Count	1						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							1
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							1
2016-08-10							1
2016-08-11							1
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							1
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							1
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							6

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05	0.0028						
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	0.2936						
2016-08-10	0.0020						
2016-08-11	0.0069						
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19	0.0027						
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	0.5315						
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	0.002						
Maximum	0.5315						
Average	0.13992						
Count	6						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							1
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							1
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							2

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	0.9495						
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	2.4334						
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	0.9495						
Maximum	2.4334						
Average	1.69145						
Count	2						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05	1	0.056					
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	0.742					
2016-08-10							
2016-08-11	1	0.196					
2016-08-12							
2016-08-13	1	0.154					
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21	1	0.028					
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	1	1.246					
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	1.0	0.028					
Maximum	1.0	1.246					
Average	1	0.40367					
Count	6	6					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							1
2016-08-10							1
2016-08-11							1
2016-08-12							
2016-08-13							1
2016-08-14							1
2016-08-15							
2016-08-16							1
2016-08-17							
2016-08-18							
2016-08-19							1
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							1
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							8

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	0.4413						
2016-08-10	0.0106						
2016-08-11	0.0141						
2016-08-12							
2016-08-13	0.0489						
2016-08-14	0.0056						
2016-08-15							
2016-08-16	0.0054						
2016-08-17							
2016-08-18							
2016-08-19	0.0030						
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	0.5676						
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	0.003						
Maximum	0.5676						
Average	0.13706						
Count	8						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2016-08-01	AH	AH					
2016-08-02	AH	AH					
2016-08-03	AH	AH					
2016-08-04	AH	AH					
2016-08-05	AH	AH					
2016-08-06	AH	AH					
2016-08-07	AH	AH					
2016-08-08	AH	AH					
2016-08-09	AH	AH					
2016-08-10	AH	AH					
2016-08-11	AH	AH					
2016-08-12	AH	AH					
2016-08-13	AH	AH					
2016-08-14	AH	AH					
2016-08-15	AH	AH					
2016-08-16	AH	AH					
2016-08-17	AH	AH					
2016-08-18	AH	AH					
2016-08-19	AH	AH					
2016-08-20	AH	AH					
2016-08-21	AH	AH					
2016-08-22	AH	AH					
2016-08-23	AH	AH					
2016-08-24	AH	AH					
2016-08-25	AH	AH					
2016-08-26	AH	AH					
2016-08-27	AH	AH					
2016-08-28	AH	AH					
2016-08-29	AH	AH					
2016-08-30	AH	AH					
2016-08-31	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							1
2016-08-10							
2016-08-11							1
2016-08-12							
2016-08-13							1
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							1
2016-08-26							
2016-08-27							1
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							1
Minimum							1.0
Maximum							1.0
Average							1
Count							6

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	0.5141						
2016-08-10	0.2651						
2016-08-11	0.0724						
2016-08-12	0.0314						
2016-08-13	0.1212						
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	2.1222						
2016-08-26							
2016-08-27	0.0024						
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31	0.3778						
Minimum	0.0024						
Maximum	2.1222						
Average	0.43833						
Count	8						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09	1	1.5055					
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25	1	2.0704					
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum	1.0	1.5055					
Maximum	1.0	2.0704					
Average	1	1.78795					
Count	2	2					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609572	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
2016-08-24							
2016-08-25							
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-19 12:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: Settlers Landing Park & Stones Levee Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2016-08-01** To: **2016-08-31**

GENERAL REPORT COMMENT:
Sampling required two times per year.

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
045	Overflow Volume	74063	2016-08-09	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
045	Overflow Volume	74063	2016-08-10	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
045	Overflow Volume	74063	2016-08-11	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
045	Overflow Volume	74063	2016-08-12	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
045	Overflow Volume	74063	2016-08-25	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
232	Overflow Occurrence per Year	51709	2016-08-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2016-08-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-08-31	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2016-08-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-08-31	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	1	0.0245					
2016-09-08	1	0.1119					
2016-09-09							
2016-09-10	1	0.2069					
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1	0.2405					
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28	1	0.0002					
2016-09-29	1	0.2461					
2016-09-30							
Minimum	1.0	2.0E-4					
Maximum	1.0	0.2461					
Average	1	0.13835					
Count	6	6					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							1
2016-09-08							1
2016-09-09							1
2016-09-10							1
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							1
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							1
2016-09-27							
2016-09-28							1
2016-09-29							1
2016-09-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							9

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	2.4193						
2016-09-08	6.7132						
2016-09-09	0.0035						
2016-09-10	4.9321						
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	3.1598						
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26	0.1805						
2016-09-27							
2016-09-28	0.8542						
2016-09-29	2.6693						
2016-09-30	1.4714						
Minimum	0.0035						
Maximum	6.7132						
Average	2.48926						
Count	9						

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	1	0.0008					
2016-09-08							
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1	0.0066					
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum	1.0	8.0E-4					
Maximum	1.0	0.0066					
Average	1	0.0037					
Count	2	2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08	1	0.26					
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1	0.52					
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum	1.0	0.26					
Maximum	1.0	0.52					
Average	1	0.39					
Count	2	2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08	1	0.7095					
2016-09-09							
2016-09-10	1	1.8382					
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1	2.2137					
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29	1	0.4130					
2016-09-30							
Minimum	1.0	0.413					
Maximum	1.0	2.2137					
Average	1	1.2936					
Count	4	4					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08	1	2.8864					
2016-09-09							
2016-09-10	1	7.5135					
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1	6.8572					
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26	1	0.0087					
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum	1.0	0.0087					
Maximum	1.0	7.5135					
Average	1	4.31645					
Count	4	4					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08	1	0.1289					
2016-09-09							
2016-09-10	1	0.2029					
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1	0.3758					
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29	1	23.6254					
2016-09-30							
Minimum	1.0	0.1289					
Maximum	1.0	23.6254					
Average	1	6.08325					
Count	4	4					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08	1	0.0654					
2016-09-09							
2016-09-10	1	0.0684					
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum	1.0	0.0654					
Maximum	1.0	0.0684					
Average	1	0.0669					
Count	2	2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-09-01							1
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	200					131400	1
2016-09-08							1
2016-09-09							
2016-09-10							1
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							1
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							1
2016-09-29							1
2016-09-30							1
Minimum	200.0					131400.0	1.0
Maximum	200.0					131400.0	1.0
Average	200					131400	1
Count	1					1	8

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-09-01	0.0701						
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	1.0165	34.6					
2016-09-08	0.9063						
2016-09-09							
2016-09-10	1.6157						
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	3.0930						
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28	0.4780						
2016-09-29	2.1907						
2016-09-30	0.1982						
Minimum	0.0701	34.6					
Maximum	3.093	34.6					
Average	1.19606	34.6					
Count	8	1					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	1	0.0606					
2016-09-08	1	0.0707					
2016-09-09							
2016-09-10	1	0.1515					
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1	0.404					
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28	1	0.1717					
2016-09-29	1	1.1615					
2016-09-30	1	0.1717					
Minimum		0.0606					
Maximum		1.1615					
Average		0.3131					
Count		7					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							1
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum							1.0
Maximum							1.0
Average							1
Count							1

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	0.1322						
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum	0.1322						
Maximum	0.1322						
Average	0.1322						
Count	1						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08	452	1.367	11.04	.445	1.992	774600	1
2016-09-09							
2016-09-10							1
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							1
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							1
2016-09-27							
2016-09-28							1
2016-09-29							1
2016-09-30							1
Minimum	452.0	1.367	11.04	0.445	1.992	774600.0	1.0
Maximum	452.0	1.367	11.04	0.445	1.992	774600.0	1.0
Average	452	1.367	11.04	0.445	1.992	774600	1
Count	1	1	1	1	1	1	7

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08	0.2232	69.5					
2016-09-09							
2016-09-10	0.0603						
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1.9102						
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26	0.0031						
2016-09-27							
2016-09-28	0.0006						
2016-09-29	0.0016						
2016-09-30	0.0036						
Minimum	6.0E-4	69.5					
Maximum	1.9102	69.5					
Average	0.31466	69.5					
Count	7	1					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	73.3	2.656	5.187	.483	.862	686700	1
2016-09-08	242					488400	1
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							1
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							1
2016-09-29							1
2016-09-30							1
Minimum	73.3	2.656	5.187	0.483	0.862	488400.0	1.0
Maximum	242.0	2.656	5.187	0.483	0.862	686700.0	1.0
Average	157.65	2.656	5.187	0.483	0.862	587550	1
Count	2	1	1	1	1	2	6

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	0.1755	25.7					
2016-09-08	1.0940	19.5					
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	5.3405						
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28	0.0008						
2016-09-29	0.0681						
2016-09-30	0.0040						
Minimum	8.0E-4	19.5					
Maximum	5.3405	25.7					
Average	1.11382	22.6					
Count	6	2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	1	0.322					
2016-09-08	1	0.518					
2016-09-09							
2016-09-10	1	0.518					
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1	2.142					
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26	1	0.21					
2016-09-27							
2016-09-28	1	0.056					
2016-09-29	1	0.756					
2016-09-30	1	0.742					
Minimum	1.0	0.056					
Maximum	1.0	2.142					
Average	1	0.658					
Count	8	8					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							1
2016-09-09							
2016-09-10							1
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							1
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							1
2016-09-27							
2016-09-28							1
2016-09-29							1
2016-09-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							7

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08	0.2350						
2016-09-09							
2016-09-10	0.1304						
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	0.7162						
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26	0.0099						
2016-09-27							
2016-09-28	0.0313						
2016-09-29	0.4061						
2016-09-30	0.2279						
Minimum	0.0099						
Maximum	0.7162						
Average	0.25097						
Count	7						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2016-09-01	AH	AH					
2016-09-02	AH	AH					
2016-09-03	AH	AH					
2016-09-04	AH	AH					
2016-09-05	AH	AH					
2016-09-06	AH	AH					
2016-09-07	AH	AH					
2016-09-08	AH	AH					
2016-09-09	AH	AH					
2016-09-10	AH	AH					
2016-09-11	AH	AH					
2016-09-12	AH	AH					
2016-09-13	AH	AH					
2016-09-14	AH	AH					
2016-09-15	AH	AH					
2016-09-16	AH	AH					
2016-09-17	AH	AH					
2016-09-18	AH	AH					
2016-09-19	AH	AH					
2016-09-20	AH	AH					
2016-09-21	AH	AH					
2016-09-22	AH	AH					
2016-09-23	AH	AH					
2016-09-24	AH	AH					
2016-09-25	AH	AH					
2016-09-26	AH	AH					
2016-09-27	AH	AH					
2016-09-28	AH	AH					
2016-09-29	AH	AH					
2016-09-30	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							1
2016-09-08							1
2016-09-09							
2016-09-10							1
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							1
2016-09-18							1
2016-09-19							1
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26	165					1106000	1
2016-09-27							
2016-09-28							1
2016-09-29							1
2016-09-30							1
Minimum	165.0					1106000.0	1.0
Maximum	165.0					1106000.0	1.0
Average	165					1106000	1
Count	1					1	10

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	0.1658						
2016-09-08	0.7930						
2016-09-09							
2016-09-10	0.6789						
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	5.7429						
2016-09-18	0.3048						
2016-09-19	0.0000						
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26	0.2891	36.4					
2016-09-27							
2016-09-28	0.0081						
2016-09-29	1.0369						
2016-09-30	1.1669						
Minimum	0.0	36.4					
Maximum	5.7429	36.4					
Average	1.01864	36.4					
Count	10	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07	1	0.0441					
2016-09-08	1	0.6816					
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17	1	3.8962					
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum	1.0	0.0441					
Maximum	1.0	3.8962					
Average	1	1.54063					
Count	3	3					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	617429	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-10-19 15:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: Settlers Landing Park & Stones Levee Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2016-09-01** To: **2016-09-30**

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
045	Overflow Volume	74063	2016-09-08	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
045	Overflow Volume	74063	2016-09-17	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
232	Overflow Occurrence per Year	51709	2016-09-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2016-09-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-09-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2016-09-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-09-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20	1	0.0182					
2016-10-21	1	0.0016					
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum	1.0	0.0016					
Maximum	1.0	0.0182					
Average	1	0.0099					
Count	2	2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-10-01							
2016-10-02							1
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							1
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							1
2016-10-18							1
2016-10-19							
2016-10-20							1
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							1
2016-10-28							
2016-10-29							
2016-10-30							1
2016-10-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							7

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-10-01							
2016-10-02	0.6479						
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13	0.5858						
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17	0.0891						
2016-10-18	0.1108						
2016-10-19							
2016-10-20	1.0461						
2016-10-21	11.7902						
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27	0.5485						
2016-10-28							
2016-10-29							
2016-10-30	0.1702						
2016-10-31							
Minimum	0.0891						
Maximum	11.7902						
Average	1.87357						
Count	8						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02	1	0.53					
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum	1.0	0.53					
Maximum	1.0	0.53					
Average	1	0.53					
Count	1	1					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02	1	0.1119					
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13	1	0.0389					
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20	1	1.1606					
2016-10-21		3.8505					
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27	1	0.2297					
2016-10-28							
2016-10-29							
2016-10-30	1	0.0270					
2016-10-31							
Minimum	1.0	0.027					
Maximum	1.0	3.8505					
Average	1	0.9031					
Count	5	6					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02	1	2.0148					
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20	1	2.6785					
2016-10-21	1	9.2903					
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum	1.0	2.0148					
Maximum	1.0	9.2903					
Average	1	4.6612					
Count	3	3					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02	1	0.1378					
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum	1.0	0.1378					
Maximum	1.0	0.1378					
Average	1	0.1378					
Count	1	1					

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-10-01							
2016-10-02							1
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							1
2016-10-21							1
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							1
2016-10-28							
2016-10-29							
2016-10-30							1
2016-10-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							5

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-10-01							
2016-10-02	1.1144						
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20	1.4473						
2016-10-21	0.3558						
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27	1.0181						
2016-10-28							
2016-10-29							
2016-10-30	0.0032						
2016-10-31							
Minimum	0.0032						
Maximum	1.4473						
Average	0.78776						
Count	5						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02	1	1.3029					
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13	1	0.0707					
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20	1	0.4343					
2016-10-21	1	0.3939					
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum		0.0707					
Maximum		1.3029					
Average		0.55045					
Count		4					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-10-01							
2016-10-02							1
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							1
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							1
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							1
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							4

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-10-01							
2016-10-02	0.1060						
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16	0.0055						
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20	0.0102						
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27	0.0092						
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum	0.0055						
Maximum	0.106						
Average	0.03273						
Count	4						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-10-01							
2016-10-02							1
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							1
2016-10-21							1
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							1
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							4

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-10-01							
2016-10-02	0.9644						
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20	0.8899						
2016-10-21	3.0535						
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27	1.7602						
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum	0.8899						
Maximum	3.0535						
Average	1.667						
Count	4						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02	1	0.3360					
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13	1	0.0420					
2016-10-14							
2016-10-15							
2016-10-16	1	0.0420					
2016-10-17		0.1540					
2016-10-18							
2016-10-19							
2016-10-20	1	0.6440					
2016-10-21	1	1.9460					
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27	1	0.6720					
2016-10-28							
2016-10-29							
2016-10-30	1	0.1540					
2016-10-31							
Minimum	1.0	0.042					
Maximum	1.0	1.946					
Average	1	0.49875					
Count	7	8					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-10-01							
2016-10-02							1
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							1
2016-10-21							1
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							1
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							4

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-10-01							
2016-10-02	0.2027						
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20	0.2068						
2016-10-21	0.3891						
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27	0.1327						
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum	0.1327						
Maximum	0.3891						
Average	0.23283						
Count	4						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2016-10-01	AH	AH					
2016-10-02	AH	AH					
2016-10-03	AH	AH					
2016-10-04	AH	AH					
2016-10-05	AH	AH					
2016-10-06	AH	AH					
2016-10-07	AH	AH					
2016-10-08	AH	AH					
2016-10-09	AH	AH					
2016-10-10	AH	AH					
2016-10-11	AH	AH					
2016-10-12	AH	AH					
2016-10-13	AH	AH					
2016-10-14	AH	AH					
2016-10-15	AH	AH					
2016-10-16	AH	AH					
2016-10-17	AH	AH					
2016-10-18	AH	AH					
2016-10-19	AH	AH					
2016-10-20	AH	AH					
2016-10-21	AH	AH					
2016-10-22	AH	AH					
2016-10-23	AH	AH					
2016-10-24	AH	AH					
2016-10-25	AH	AH					
2016-10-26	AH	AH					
2016-10-27	AH	AH					
2016-10-28	AH	AH					
2016-10-29	AH	AH					
2016-10-30	AH	AH					
2016-10-31	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-10-01							
2016-10-02							1
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							1
2016-10-14							
2016-10-15							
2016-10-16							1
2016-10-17							
2016-10-18							1
2016-10-19							
2016-10-20							1
2016-10-21	34					257805	
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							1
2016-10-28							
2016-10-29							
2016-10-30							1
2016-10-31							
Minimum	34.0					257805.0	1.0
Maximum	34.0					257805.0	1.0
Average	34					257805	1
Count	1					1	7

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	Mark Citriglia
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-10-01							
2016-10-02	0.3170						
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13	0.0855						
2016-10-14							
2016-10-15							
2016-10-16	0.0280						
2016-10-17	0.1814						
2016-10-18	0.0378						
2016-10-19							
2016-10-20	0.4550						
2016-10-21	3.0318	11.8					
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27	1.2028						
2016-10-28							
2016-10-29							
2016-10-30	0.1937						
2016-10-31							
Minimum	0.028	11.8					
Maximum	3.0318	11.8					
Average	0.61478	11.8					
Count	9	1					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624638	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	Settlers Landing Park & Stones Levee Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
2016-10-19							
2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-18 09:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: Settlers Landing Park & Stones Levee Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2016-10-01** To: **2016-10-31**

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
045	Overflow Volume	74063	2016-10-02	Million Gallons	Model data used to estimate volume for event. Flow calculation is under review.
232	Overflow Occurrence per Year	51709	2016-10-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2016-10-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-10-31	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2016-10-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-10-31	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-11-01							
2016-11-02							
2016-11-03							1
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							1
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							1
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							1
2016-11-25							
2016-11-26							1
2016-11-27							
2016-11-28							
2016-11-29							1
2016-11-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							7

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-11-01							
2016-11-02							
2016-11-03	2.0809						
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08	0.2147						
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19	0.2071						
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24	0.2256						
2016-11-25							
2016-11-26	0.1471						
2016-11-27							
2016-11-28							
2016-11-29	0.0320						
2016-11-30	1.4222						
Minimum	0.032						
Maximum	2.0809						
Average	0.61851						
Count	7						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03	1	0.0332					
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09	1	0.4359					
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19	1	0.0566					
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30	1	0.6519					
Minimum	1.0	0.0332					
Maximum	1.0	0.6519					
Average	1	0.2944					
Count	4	4					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09	1	2.9969					
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30	1	3.1696					
Minimum	1.0	2.9969					
Maximum	1.0	3.1696					
Average	1	3.08325					
Count	2	2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-11-01							
2016-11-02							
2016-11-03							1
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							1
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							3

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-11-01							
2016-11-02							
2016-11-03	0.0074						
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09	0.2427						
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30	0.6168						
Minimum	0.0074						
Maximum	0.6168						
Average	0.28897						
Count	3						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09	1	0.202					
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30	1	0.0303					
Minimum		0.0303					
Maximum		0.202					
Average		0.11615					
Count		2					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							1.0000
Minimum							1.0
Maximum							1.0
Average							1
Count							1

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30	0.0114						
Minimum	0.0114						
Maximum	0.0114						
Average	0.0114						
Count	1						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-11-01							
2016-11-02							
2016-11-03							1
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							2

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-11-01							
2016-11-02							
2016-11-03	0.5561						
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30	1.8672						
Minimum	0.5561						
Maximum	1.8672						
Average	1.21165						
Count	2						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03	1	0.5194					
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08	1	0.2058					
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19	1	0.3500					
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24	1	0.0322					
2016-11-25							
2016-11-26	1	0.4144					
2016-11-27							
2016-11-28							
2016-11-29	1	0.0004					
2016-11-30	1	0.0840					
Minimum	1.0	4.0E-4					
Maximum	1.0	0.5194					
Average	1	0.22946					
Count	7	7					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-11-01							
2016-11-02							
2016-11-03							1
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							2

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-11-01							
2016-11-02							
2016-11-03	0.0652						
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30	0.1086						
Minimum	0.0652						
Maximum	0.1086						
Average	0.0869						
Count	2						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2016-11-01	AH	AH					
2016-11-02	AH	AH					
2016-11-03	AH	AH					
2016-11-04	AH	AH					
2016-11-05	AH	AH					
2016-11-06	AH	AH					
2016-11-07	AH	AH					
2016-11-08	AH	AH					
2016-11-09	AH	AH					
2016-11-10	AH	AH					
2016-11-11	AH	AH					
2016-11-12	AH	AH					
2016-11-13	AH	AH					
2016-11-14	AH	AH					
2016-11-15	AH	AH					
2016-11-16	AH	AH					
2016-11-17	AH	AH					
2016-11-18	AH	AH					
2016-11-19	AH	AH					
2016-11-20	AH	AH					
2016-11-21	AH	AH					
2016-11-22	AH	AH					
2016-11-23	AH	AH					
2016-11-24	AH	AH					
2016-11-25	AH	AH					
2016-11-26	AH	AH					
2016-11-27	AH	AH					
2016-11-28	AH	AH					
2016-11-29	AH	AH					
2016-11-30	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	E. coli	Overflow Occurrence
PARAMETER CODE	00530	00610	00625	00630	00665	31648	74062
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	#/100 ml	No./Month
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Grab	Total
2016-11-01							
2016-11-02							
2016-11-03							1
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							1
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							1
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							1
2016-11-24							
2016-11-25							
2016-11-26							1
2016-11-27							1
2016-11-28							
2016-11-29							1
2016-11-30							1
Minimum							1.0
Maximum							1.0
Average							1
Count							8

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Volume	CBOD 5 day					
PARAMETER CODE	74063	80082					
UNITS	Million Gallons	mg/l					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	24hr Total	Grab					
2016-11-01							
2016-11-02							
2016-11-03	0.7147						
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08	0.3799						
2016-11-09	0.1418						
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19	1.1798						
2016-11-20	0.4333						
2016-11-21	0.0101						
2016-11-22							
2016-11-23	0.0022						
2016-11-24	0.1356						
2016-11-25							
2016-11-26	0.3733						
2016-11-27	0.0051						
2016-11-28							
2016-11-29	0.0093						
2016-11-30	0.7230						
Minimum	0.0022						
Maximum	1.1798						
Average	0.34234						
Count	12						

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	632058	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2016-12-19 17:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: 3826 Euclid Ave
Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2016-11-01** To: **2016-11-30**

GENERAL REPORT COMMENT:
Sampling required two times per year.

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
232	Overflow Occurrence per Year	51709	2016-11-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2016-11-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-11-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2016-11-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-11-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06						1	2.2802
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17						1	5.5649
2016-12-18							2.2699
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26						1	1.7393
2016-12-27							0.0507
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum						1.0	0.0507
Maximum						1.0	5.5649
Average						1	2.381
Count						3	5

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06	1	1.1673					
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17	1	1.1370					
2016-12-18		0.7713					
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26	1	0.3677					
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum	1.0	0.3677					
Maximum	1.0	1.1673					
Average	1	0.86083					
Count	3	4					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06	1	3.3085					
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17	1	3.9237					
2016-12-18		1.4954					
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26	1	0.3220					
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum	1.0	0.322					
Maximum	1.0	3.9237					
Average	1	2.2624					
Count	3	4					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06						1	0.3470
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17						1	0.7700
2016-12-18							0.1123
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26						1	0.4073
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum						1.0	0.1123
Maximum						1.0	0.77
Average						1	0.40915
Count						3	4

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06	1	0.0002					
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17	1	0.1101					
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26	1	0.0323					
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum		2.0E-4					
Maximum		0.1101					
Average		0.04753					
Count		3					

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06						1	2.3789
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17						1	1.3216
2016-12-18							1.6142
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26						1	0.8431
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum						1.0	0.8431
Maximum						1.0	2.3789
Average						1	1.53945
Count						3	4

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06	1	0.476					
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17	1	0.532					
2016-12-18		0.266					
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26	1	0.308					
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum	1.0	0.266					
Maximum	1.0	0.532					
Average	1	0.3955					
Count	3	4					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06						1	0.1693
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17						1	0.2872
2016-12-18							0.1109
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26						1	0.0169
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum						1.0	0.0169
Maximum						1.0	0.2872
Average						1	0.14608
Count						3	4

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Overflow Occurrence per Year	Overflow Volume					
PARAMETER CODE	51709	74063					
UNITS	No./Year	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total Estimate	Total Estimate					
2016-12-01	AH	AH					
2016-12-02	AH	AH					
2016-12-03	AH	AH					
2016-12-04	AH	AH					
2016-12-05	AH	AH					
2016-12-06	AH	AH					
2016-12-07	AH	AH					
2016-12-08	AH	AH					
2016-12-09	AH	AH					
2016-12-10	AH	AH					
2016-12-11	AH	AH					
2016-12-12	AH	AH					
2016-12-13	AH	AH					
2016-12-14	AH	AH					
2016-12-15	AH	AH					
2016-12-16	AH	AH					
2016-12-17	AH	AH					
2016-12-18	AH	AH					
2016-12-19	AH	AH					
2016-12-20	AH	AH					
2016-12-21	AH	AH					
2016-12-22	AH	AH					
2016-12-23	AH	AH					
2016-12-24	AH	AH					
2016-12-25	AH	AH					
2016-12-26	AH	AH					
2016-12-27	AH	AH					
2016-12-28	AH	AH					
2016-12-29	AH	AH					
2016-12-30	AH	AH					
2016-12-31	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	Nitrogen, Ammonia (NH3)	Nitrogen Kjeldahl, Total	Nitrite Plus Nitrate, Total	Phosphorus, Total (P)	Overflow Occurrence	Overflow Volume
PARAMETER CODE	00530	00610	00625	00630	00665	74062	74063
UNITS	mg/l	mg/l	mg/l	mg/l	mg/l	No./Month	Million Gallons
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.
SAMPLING TYPE	Grab	Grab	Grab	Grab	Grab	Total	24hr Total
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04						1	0.0764
2016-12-05							0.0018
2016-12-06						1	1.2005
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12						1	0.9198
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17						1	0.8493
2016-12-18							3.2939
2016-12-19							0.2557
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24						1	1.5175
2016-12-25							1.1051
2016-12-26							2.1950
2016-12-27							0.8012
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum						1.0	0.0018
Maximum						1.0	3.2939
Average						1	1.11056
Count						5	11

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej			2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638893	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	NEORSD
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Overflow Occurrence	Overflow Volume					
PARAMETER CODE	74062	74063					
UNITS	No./Month	Million Gallons					
FREQUENCY	When Disch.	When Disch.					
SAMPLING TYPE	Total	24hr Total					
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Thomas Madej	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-01-18 17:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Northeast Ohio Regional SD
LOCATION: 3826 Euclid Ave
Cleveland, OH 44115

PERMIT NUMBER: ***3PA00002*HD***
MONITORING PERIOD : **2016-12-01** To: **2016-12-31**

GENERAL REPORT COMMENT:
Sampling required two times per year. The annual overflow occurrence and overflow volume for CSOs 007, 013, 014, 017, 019, 020, 021, 022, 027, 028, 030, 031, 032, 033, 036, 037, 039, 043, 050, 051, 052, 053, 054, 055, 057, 060, 062, 063, 064, 065, 066, 067, 068, 071, 073, 074, 076, 078, 079, 081, 082, 083, 084, 085, 086, 087, 089, 090, 091, 092, 093, 094, 095, 095, 097, 098, 099, 201, 203, 204, 205, 207, 208, 209, 210, 212, 214, 215, 216, 217, 219, 220, 221, 222, 223, 224, 225, 226, 230, 231, 233, 234, 235, 236, 238, 240, 241, 243, 245, 246, 247, 249, 250, 252, 253, 254, 255, 256, 257 will be estimated based on modeling simulations to be submitted no later than April 30, 2017.

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
232	Overflow Occurrence per Year	51709	2016-12-01	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-02	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-03	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-04	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-05	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-06	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-07	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-08	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-09	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-10	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-11	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-12	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-13	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-14	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-15	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-16	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-17	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-18	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-19	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-20	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-21	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-22	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-23	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-24	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-25	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Occurrence per Year	51709	2016-12-26	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-27	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-28	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-29	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-30	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Occurrence per Year	51709	2016-12-31	No./Year	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-01	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-02	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-03	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-04	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-05	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-06	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-07	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-08	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-09	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-10	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-11	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-12	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-13	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-14	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-15	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-16	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-17	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-18	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-19	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-20	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-21	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-22	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-23	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-24	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-25	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-26	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

232	Overflow Volume	74063	2016-12-27	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-28	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-29	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-30	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.
232	Overflow Volume	74063	2016-12-31	Million Gallons	CSO 232 was replaced with CSO 211. Reporting for CSO 211 began 1/1/2016. CSO 232 should be removed from the eDMR report.

Dry Weather Overflow and Upset Reports

Second Half of 2016

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Lyle Plummer

Date: 9/20/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: D-37 PRIMROSE AVE AND LINN DR

Date Found: 9/19/2016 **TIME FOUND:** 10:00 AM **CSO:** CSO-230

Receiving Water: DUGWAY BROOK

Estimated Discharge (Gallons): 1,300

Cause: Debris - Plastic Bottle

Proposed Remedial Action: Jet rod and vacuum sewer.

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: N/A

Date Corrected: 9/19/2016 **Time Corrected:** 10:15 AM

Duration of Discharge (Hrs): 0.25

Corrective Action: Jet rodded and vacuumed.

Work Order #: 1626999-01

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Curtis Brown

Date: 10/5/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: MC-65 E 77TH ST SOUTH OF DORVER

Date Found: 10/4/2016 **TIME FOUND:** 9:00 AM **CSO:** CSO-017

Receiving Water: MILL CREEK

Estimated Discharge (Gallons): 9,432

Cause: Downstream blockage

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information:

Date Corrected: 10/4/2016 **Time Corrected:** 12:00 PM

Duration of Discharge (Hrs): 3.00

Corrective Action: Jet rodded and vacuumed

Work Order #: 1628558-02

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael Zapior

Date: 11/17/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: RR-04 WESTDALE AVE AT ROCKY RIVER DR

Date Found: 11/17/2016 **TIME FOUND:** 9:40 AM **CSO:** CSO-064

Receiving Water: ROCKY RIVER

Estimated Discharge (Gallons): 540

Cause: Hole in weir wall

Proposed Remedial Action: Repair the weir wall.

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: N/A

Date Corrected: 11/17/2016 **Time Corrected:** 12:10 PM

Duration of Discharge (Hrs): 2.5

Corrective Action: Repaired the weir wall.

Work Order #: 1632703-01

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael Zapior

Date: 12/1/2016

******REVISED COPY******

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: E-27 W 11TH ST AT SUPERIOR AVE NORTH OF PUMP STATION

Date Found: 11/30/2016 **TIME FOUND:** 4:45 PM **CSO:** CSO-090

Receiving Water: CUYAHOGA RIVER

Estimated Discharge (Gallons): 144,000

Cause: Power was turned off at the pump station to protect the motors after it was discovered that a faulty isolation valve was discharging flows to the dry side of the station through a check valve cover on Pump No. 2.

Proposed Remedial Action: Initiate bypass pumping.

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: A rain storm between 5:30 - 6:30 PM contributed additional flows. Wet weather flows are not included in the estimated discharge.

Date Corrected: 11/30/2016 **Time Corrected:** 8:45 PM

Duration of Discharge (Hrs): 4 .0

Corrective Action: Continue bypass pumping until the pump motors are replaced or dried out.

Work Order #: 1632668-01

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Lyle Plummer

Date: 11/5/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Notification
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure: E-25 CANAL RD EAST OF W 3RD ST

Date Found: 11/4/2016 **TIME FOUND:** 12:00 PM **CSO:** CSO-235

Receiving Water: CUYAHOGA RIVER

Estimated Discharge (Gallons): 38,772

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: N/A

Date Corrected: 11/4/2016 **Time Corrected:** 5:00 PM

Duration of Discharge (Hrs): 5.0

Corrective Action: Jet rodded and vacuumed

Work Order #: 1629784-02

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/4/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. WPC is working on a temporary diversion until the cause can be determined.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/9/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. WPC is working on a temporary diversion until the cause can be determined.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/14/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. WPC is working on a temporary diversion until the cause can be determined.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/19/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. WPC is working on a temporary diversion until the cause can be determined.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/24/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. WPC is working on a temporary diversion until the cause can be determined.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 7/29/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. WPC is working on a temporary diversion until the cause can be determined.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 8/3/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. WPC is working on a temporary diversion until the cause can be determined.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 8/8/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. WPC is working on a temporary diversion until the cause can be determined.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 8/13/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. WPC is working on a temporary diversion until the cause can be determined.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 8/18/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16: Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 8/23/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 8/28/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 9/2/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 9/7/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 9/12/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 9/17/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 9/22/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 9/28/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 10/2/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

Note: This is not a dry weather overflow caused by a malfunctioning combined sewer overflow regulator. This discharge, however, is considered an upset pursuant to 40 CFR part 122.41(n).

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 10/7/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 10/12/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: Small amount of sanitary flow intermittently discharging into CSO-050 from upstream storm sewer. UPDATE 8/16/16**:** Cleveland Water Pollution Control is finalizing plans to address this issue with their contractor.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 10/17/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

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Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 10/22/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

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Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 10/27/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

Approximate Discharge (Gallons): Less than 10 GPM

Description of Problem: Possible sanitary cross connection into storm sewer

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Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1610879-01

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 11/1/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

Receiving Water: Big Creek

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Work Order Number: 1610879-01

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 11/6/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

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Description of Problem: Possible sanitary cross connection into storm sewer

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 11/11/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

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Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 11/16/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 11/21/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 11/26/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 12/1/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 12/6/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

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Northeast Ohio Regional Sewer District

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Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 12/11/2016

Northeast Ohio Regional Sewer District
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Upset Condition Pursuant to Section 40 CFR 122.41(n)

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Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 12/16/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 12/21/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 12/26/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

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Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Michael J. Zapior

Date: 12/31/2016

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

☐ **Initial Advisory**

☒ **Five-Day Status Report**

Structure Henninger Rd. West of Pearl

Date Found: 7/28/2015 **Time Found:** 12:00 PM **CSO:** CSO-050

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Easterly WWTP eDMR Reports

Outfall 002: Wet weather overflow/bypass to Lake Erie

Outfall 003: Settled bypass spillway off primary tanks

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	600481	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	
PARAMETER CODE	31648	00530	80082	00051	00052	51428	
UNITS	#/100 ml	mg/l	mg/l	No./Day	Hrs/Day	MGAL	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total	24hr Total	
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett			2016-08-11 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	600481	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2016-07-01	AC	AC	AC	AC	AC	AC	
2016-07-02	AC	AC	AC	AC	AC	AC	
2016-07-03	AC	AC	AC	AC	AC	AC	
2016-07-04	AC	AC	AC	AC	AC	AC	
2016-07-05	AC	AC	AC	AC	AC	AC	
2016-07-06	AC	AC	AC	AC	AC	AC	
2016-07-07	AC	AC	AC	AC	AC	AC	
2016-07-08	AC	AC	AC	AC	AC	AC	
2016-07-09	AC	AC	AC	AC	AC	AC	
2016-07-10	AC	AC	AC	AC	AC	AC	
2016-07-11	AC	AC	AC	AC	AC	AC	
2016-07-12	AC	AC	AC	AC	AC	AC	
2016-07-13	AC	AC	AC	AC	AC	AC	
2016-07-14	AC	AC	AC	AC	AC	AC	
2016-07-15	AC	AC	AC	AC	AC	AC	
2016-07-16	AH	111	AE	1	36.52	5.32	
2016-07-17	AC	AC	AC	AC	AC	AC	
2016-07-18	2599400	354	AE	1	31.71	3.70	
2016-07-19	AC	AC	AC	AC	AC	AC	
2016-07-20	AC	AC	AC	AC	AC	AC	
2016-07-21	AC	AC	AC	AC	AC	AC	
2016-07-22	AC	AC	AC	AC	AC	AC	
2016-07-23	AC	AC	AC	AC	AC	AC	
2016-07-24	AC	AC	AC	AC	AC	AC	
2016-07-25	AC	AC	AC	AC	AC	AC	
2016-07-26	AC	AC	AC	AC	AC	AC	
2016-07-27	AC	AC	AC	AC	AC	AC	
2016-07-28	AC	AC	AC	AC	AC	AC	
2016-07-29	AC	AC	AC	AC	AC	AC	
2016-07-30	AC	AC	AC	AC	AC	AC	
2016-07-31	AC	AC	AC	AC	AC	AC	
Minimum	2599400.0	111.0		1.0	31.71	3.7	
Maximum	2599400.0	354.0		1.0	36.52	5.32	
Average	2599400	232.5		1	34.115	4.51	
Count	1	2		2	2	2	

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	Signature of Responsible Official or Authorized Representative	Submission Date/Time
Robert Bonnett			2016-08-11 15:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2016-07-01** To: **2016-07-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2016-07-03	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-05	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-06	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-07	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-09	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-10	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-13	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-14	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-15	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-18	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-19	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-20	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-21	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-22	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-23	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-25	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-26	mg/l	STANDARDS DID NOT MEET QC CRITERIA
002	E. coli	31648	2016-07-16	#/100 ml	SAMPLE PASSED HOLDING TIME
002	CBOD 5 day	80082	2016-07-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2016-07-18	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-03	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-05	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-06	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-07	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-08	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-09	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-10	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-13	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-14	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-15	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-17	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-18	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-19	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-20	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-21	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-22	mg/l	STANDARDS DID NOT MEET QC CRITERIA

601	CBOD 5 day	80082	2016-07-23	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-24	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-25	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-26	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-27	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-29	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-30	mg/l	STANDARDS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	608365	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	
PARAMETER CODE	31648	00530	80082	00051	00052	51428	
UNITS	#/100 ml	mg/l	mg/l	No./Day	Hrs/Day	MGAL	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total	24hr Total	
2016-08-01	AC	AC	AC	AC	AC	AC	
2016-08-02	AC	AC	AC	AC	AC	AC	
2016-08-03	AC	AC	AC	AC	AC	AC	
2016-08-04	AC	AC	AC	AC	AC	AC	
2016-08-05	AC	AC	AC	AC	AC	AC	
2016-08-06	AC	AC	AC	AC	AC	AC	
2016-08-07	AC	AC	AC	AC	AC	AC	
2016-08-08	AC	AC	AC	AC	AC	AC	
2016-08-09	AC	AC	AC	AC	AC	AC	
2016-08-10	AC	AC	AC	AC	AC	AC	
2016-08-11	AC	AC	AC	AC	AC	AC	
2016-08-12	AC	AC	AC	AC	AC	AC	
2016-08-13	AC	AC	AC	AC	AC	AC	
2016-08-14	AC	AC	AC	AC	AC	AC	
2016-08-15	AC	AC	AC	AC	AC	AC	
2016-08-16	AC	AC	AC	AC	AC	AC	
2016-08-17	AC	AC	AC	AC	AC	AC	
2016-08-18	AC	AC	AC	AC	AC	AC	
2016-08-19	AC	AC	AC	AC	AC	AC	
2016-08-20	AC	AC	AC	AC	AC	AC	
2016-08-21	AC	AC	AC	AC	AC	AC	
2016-08-22	AC	AC	AC	AC	AC	AC	
2016-08-23	AC	AC	AC	AC	AC	AC	
2016-08-24	AC	AC	AC	AC	AC	AC	
2016-08-25	1520000	75	34	1	3.70	7.1	
2016-08-26	AC	AC	AC	AC	AC	AC	
2016-08-27	AC	AC	AC	AC	AC	AC	
2016-08-28	AC	AC	AC	AC	AC	AC	
2016-08-29	AC	AC	AC	AC	AC	AC	
2016-08-30	AC	AC	AC	AC	AC	AC	
2016-08-31	AC	AC	AC	AC	AC	AC	
Minimum	1520000.0	75.0	34.0	1.0	3.7	7.1	
Maximum	1520000.0	75.0	34.0	1.0	3.7	7.1	
Average	1520000	75	34	1	3.7	7.1	
Count	1	1	1	1	1	1	

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	Signature of Responsible Official or Authorized Representative	Submission Date/Time
Robert Bonnett			2016-09-15 09:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	608365	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2016-08-01	AC	AC	AC	AC	AC	AC	
2016-08-02	AC	AC	AC	AC	AC	AC	
2016-08-03	AC	AC	AC	AC	AC	AC	
2016-08-04	AC	AC	AC	AC	AC	AC	
2016-08-05	AC	AC	AC	AC	AC	AC	
2016-08-06	AC	AC	AC	AC	AC	AC	
2016-08-07	AC	AC	AC	AC	AC	AC	
2016-08-08	AC	AC	AC	AC	AC	AC	
2016-08-09	AC	AC	AC	AC	AC	AC	
2016-08-10	AE	249	35	1	0.88	3.30	
2016-08-11	AE	101	14	1	0.09	0.40	
2016-08-12	AE	84	11	0	8.64	2.43	
2016-08-13	AE	59	33	1	9.25	2.70	
2016-08-14	AC	AC	AC	AC	AC	AC	
2016-08-15	AC	AC	AC	AC	AC	AC	
2016-08-16	AC	AC	AC	AC	AC	AC	
2016-08-17	AC	AC	AC	AC	AC	AC	
2016-08-18	AC	AC	AC	AC	AC	AC	
2016-08-19	AC	AC	AC	AC	AC	AC	
2016-08-20	AC	AC	AC	AC	AC	AC	
2016-08-21	AC	AC	AC	AC	AC	AC	
2016-08-22	AC	AC	AC	AC	AC	AC	
2016-08-23	AC	AC	AC	AC	AC	AC	
2016-08-24	AC	AC	AC	AC	AC	AC	
2016-08-25	1390000	397	59	1	68.24	5.17	
2016-08-26	AC	AC	AC	AC	AC	AC	
2016-08-27	AC	AC	AC	AC	AC	AC	
2016-08-28	AC	AC	AC	AC	AC	AC	
2016-08-29	AC	AC	AC	AC	AC	AC	
2016-08-30	AC	AC	AC	AC	AC	AC	
2016-08-31	AC	AC	AC	AC	AC	AC	
Minimum	1390000.0	59.0	11.0	0.0	0.09	0.4	
Maximum	1390000.0	397.0	59.0	1.0	68.24	5.17	
Average	1390000	178	30.4	0.8	17.42	2.8	
Count	1	5	5	5	5	5	

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett			2016-09-15 09:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2016-08-01** To: **2016-08-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
002	E. coli	31648	2016-08-10	#/100 ml	SAMPLE PASSED HOLDING TIME
002	E. coli	31648	2016-08-11	#/100 ml	SAMPLE PASSED HOLDING TIME
002	E. coli	31648	2016-08-12	#/100 ml	SAMPLE PASSED HOLDING TIME
002	E. coli	31648	2016-08-13	#/100 ml	SAMPLE PASSED HOLDING TIME
601	CBOD 5 day	80082	2016-08-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-08-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-08-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-08-28	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	616035	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	
PARAMETER CODE	31648	00530	80082	00051	00052	51428	
UNITS	#/100 ml	mg/l	mg/l	No./Day	Hrs/Day	MGAL	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total	24hr Total	
2016-09-01	AC	AC	AC	AC	AC	AC	
2016-09-02	AC	AC	AC	AC	AC	AC	
2016-09-03	AC	AC	AC	AC	AC	AC	
2016-09-04	AC	AC	AC	AC	AC	AC	
2016-09-05	AC	AC	AC	AC	AC	AC	
2016-09-06	AC	AC	AC	AC	AC	AC	
2016-09-07	AC	AC	AC	AC	AC	AC	
2016-09-08	AC	AC	AC	AC	AC	AC	
2016-09-09	AC	AC	AC	AC	AC	AC	
2016-09-10	AC	AC	AC	AC	AC	AC	
2016-09-11	AC	AC	AC	AC	AC	AC	
2016-09-12	AC	AC	AC	AC	AC	AC	
2016-09-13	AC	AC	AC	AC	AC	AC	
2016-09-14	AC	AC	AC	AC	AC	AC	
2016-09-15	AC	AC	AC	AC	AC	AC	
2016-09-16	AC	AC	AC	AC	AC	AC	
2016-09-17	633375	50	15	1	6.07	22.0	
2016-09-18	AC	AC	AC	AC	AC	AC	
2016-09-19	AC	AC	AC	AC	AC	AC	
2016-09-20	AC	AC	AC	AC	AC	AC	
2016-09-21	AC	AC	AC	AC	AC	AC	
2016-09-22	AC	AC	AC	AC	AC	AC	
2016-09-23	AC	AC	AC	AC	AC	AC	
2016-09-24	AC	AC	AC	AC	AC	AC	
2016-09-25	AC	AC	AC	AC	AC	AC	
2016-09-26	AC	AC	AC	AC	AC	AC	
2016-09-27	AC	AC	AC	AC	AC	AC	
2016-09-28	AC	AC	AC	AC	AC	AC	
2016-09-29	AC	AC	AC	AC	AC	AC	
2016-09-30	AE	AH	AH	1	4.08	14.0	
Minimum	633375.0	50.0	15.0	1.0	4.08	14.0	
Maximum	633375.0	50.0	15.0	1.0	6.07	22.0	
Average	633375	50	15	1	5.075	18	
Count	1	1	1	2	2	2	

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-10-14 14:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	616035	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2016-09-01	AC	AC	AC	AC	AC	AC	
2016-09-02	AC	AC	AC	AC	AC	AC	
2016-09-03	AC	AC	AC	AC	AC	AC	
2016-09-04	AC	AC	AC	AC	AC	AC	
2016-09-05	AC	AC	AC	AC	AC	AC	
2016-09-06	AC	AC	AC	AC	AC	AC	
2016-09-07	61	13	AA 2	1	0.32	0.47	
2016-09-08	1299700	390	71	1	28.60	4.33	
2016-09-09	AC	AC	AC	AC	AC	AC	
2016-09-10	428500	74	22	1	64.19	6.34	
2016-09-11	AC	AC	AC	AC	AC	AC	
2016-09-12	AC	AC	AC	AC	AC	AC	
2016-09-13	AC	AC	AC	AC	AC	AC	
2016-09-14	AC	AC	AC	AC	AC	AC	
2016-09-15	AC	AC	AC	AC	AC	AC	
2016-09-16	AC	AC	AC	AC	AC	AC	
2016-09-17	900000	158	17	1	149.14	9.22	
2016-09-18	AC	AC	AC	AC	AC	AC	
2016-09-19	AC	AC	AC	AC	AC	AC	
2016-09-20	AC	AC	AC	AC	AC	AC	
2016-09-21	AC	AC	AC	AC	AC	AC	
2016-09-22	AC	AC	AC	AC	AC	AC	
2016-09-23	AC	AC	AC	AC	AC	AC	
2016-09-24	AC	AC	AC	AC	AC	AC	
2016-09-25	AC	AC	AC	AC	AC	AC	
2016-09-26	1960800	182	AE	1	7.27	1.65	
2016-09-27	AC	AC	AC	AC	AC	AC	
2016-09-28	AC	AC	AC	AC	AC	AC	
2016-09-29	AE	1920	40	1	53.18	4.82	
2016-09-30	AE	56	23	0	108.77	8.64	
Minimum	61.0	13.0	0.0	0.0	0.32	0.47	
Maximum	1960800.0	1920.0	71.0	1.0	149.14	9.22	
Average	917812.2	399	28.83333	0.85714	58.78143	5.06714	
Count	5	7	6	7	7	7	

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett			2016-10-14 14:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2016-09-01** To: **2016-09-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2016-09-19	mg/l	Blanks did not meet QC criteria
001	CBOD 5 day	80082	2016-09-20	mg/l	Blanks did not meet QC criteria
003	E. coli	31648	2016-09-30	#/100 ml	Sample passed holding time
003	Total Suspended Solids	00530	2016-09-30	mg/l	Sample not collected
003	CBOD 5 day	80082	2016-09-30	mg/l	Sample not collected
002	E. coli	31648	2016-09-29	#/100 ml	Sample passed holding time
002	E. coli	31648	2016-09-30	#/100 ml	Sample passed holding time
002	CBOD 5 day	80082	2016-09-26	mg/l	Blanks did not meet QC criteria
601	CBOD 5 day	80082	2016-09-04	mg/l	Blanks did not meet QC criteria
601	CBOD 5 day	80082	2016-09-14	mg/l	Blanks did not meet QC criteria
601	CBOD 5 day	80082	2016-09-19	mg/l	Blanks did not meet QC criteria
601	CBOD 5 day	80082	2016-09-20	mg/l	Blanks did not meet QC criteria
601	CBOD 5 day	80082	2016-09-25	mg/l	Blanks did not meet QC criteria
601	CBOD 5 day	80082	2016-09-26	mg/l	Blanks did not meet QC criteria

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	623669	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	
PARAMETER CODE	31648	00530	80082	00051	00052	51428	
UNITS	#/100 ml	mg/l	mg/l	No./Day	Hrs/Day	MGAL	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total	24hr Total	
2016-10-01	AC	AC	AC	AC	AC	AC	
2016-10-02	AC	AC	AC	AC	AC	AC	
2016-10-03	AC	AC	AC	AC	AC	AC	
2016-10-04	AC	AC	AC	AC	AC	AC	
2016-10-05	AC	AC	AC	AC	AC	AC	
2016-10-06	AC	AC	AC	AC	AC	AC	
2016-10-07	AC	AC	AC	AC	AC	AC	
2016-10-08	AC	AC	AC	AC	AC	AC	
2016-10-09	AC	AC	AC	AC	AC	AC	
2016-10-10	AC	AC	AC	AC	AC	AC	
2016-10-11	AC	AC	AC	AC	AC	AC	
2016-10-12	AC	AC	AC	AC	AC	AC	
2016-10-13	AC	AC	AC	AC	AC	AC	
2016-10-14	AC	AC	AC	AC	AC	AC	
2016-10-15	AC	AC	AC	AC	AC	AC	
2016-10-16	AC	AC	AC	AC	AC	AC	
2016-10-17	AC	AC	AC	AC	AC	AC	
2016-10-18	AC	AC	AC	AC	AC	AC	
2016-10-19	AC	AC	AC	AC	AC	AC	
2016-10-20	AC	AC	AC	AC	AC	AC	
2016-10-21	368960	42	16	1	11.52	43.5	
2016-10-22	AC	AC	AC	AC	AC	AC	
2016-10-23	AC	AC	AC	AC	AC	AC	
2016-10-24	AC	AC	AC	AC	AC	AC	
2016-10-25	AC	AC	AC	AC	AC	AC	
2016-10-26	AC	AC	AC	AC	AC	AC	
2016-10-27	480000	42	AE	1	4.22	16.1	
2016-10-28	AC	AC	AC	AC	AC	AC	
2016-10-29	AC	AC	AC	AC	AC	AC	
2016-10-30	AC	AC	AC	AC	AC	AC	
2016-10-31	AC	AC	AC	AC	AC	AC	
Minimum	368960.0	42.0	16.0	1.0	4.22	16.1	
Maximum	480000.0	42.0	16.0	1.0	11.52	43.5	
Average	424480	42	16	1	7.87	29.8	
Count	2	2	1	2	2	2	

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Robert Bonnett	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-15 13:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	623669	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2016-10-01	AC	AC	AC	AC	AC	AC	
2016-10-02	1460000	63	20	1	19.96	3.83	
2016-10-03	AC	AC	AC	AC	AC	AC	
2016-10-04	AC	AC	AC	AC	AC	AC	
2016-10-05	AC	AC	AC	AC	AC	AC	
2016-10-06	AC	AC	AC	AC	AC	AC	
2016-10-07	AC	AC	AC	AC	AC	AC	
2016-10-08	AC	AC	AC	AC	AC	AC	
2016-10-09	AC	AC	AC	AC	AC	AC	
2016-10-10	AC	AC	AC	AC	AC	AC	
2016-10-11	AC	AC	AC	AC	AC	AC	
2016-10-12	AC	AC	AC	AC	AC	AC	
2016-10-13	AC	AC	AC	AC	AC	AC	
2016-10-14	AC	AC	AC	AC	AC	AC	
2016-10-15	AC	AC	AC	AC	AC	AC	
2016-10-16	AC	AC	AC	AC	AC	AC	
2016-10-17	1137500	210	136	1	6.44	1.15	
2016-10-18	AC	AC	AC	AC	AC	AC	
2016-10-19	AC	AC	AC	AC	AC	AC	
2016-10-20	900000	284	97	1	50.44	5.90	
2016-10-21	AH	60	20	1	253.37	17.65	
2016-10-22	AC	AC	AC	AC	AC	AC	
2016-10-23	AC	AC	AC	AC	AC	AC	
2016-10-24	AC	AC	AC	AC	AC	AC	
2016-10-25	AC	AC	AC	AC	AC	AC	
2016-10-26	AC	AC	AC	AC	AC	AC	
2016-10-27	1766667	348	AE	1	53.89	7.43	
2016-10-28	AC	AC	AC	AC	AC	AC	
2016-10-29	AC	AC	AC	AC	AC	AC	
2016-10-30	AC	AC	AC	AC	AC	AC	
2016-10-31	AC	AC	AC	AC	AC	AC	
Minimum	900000.0	60.0	20.0	1.0	6.44	1.15	
Maximum	1766667.0	348.0	136.0	1.0	253.37	17.65	
Average	1316041.75	193	68.25	1	76.82	7.192	
Count	4	5	4	5	5	5	

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	Signature of Responsible Official or Authorized Representative	Submission Date/Time
Robert Bonnett			2016-11-15 13:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2016-10-01** To: **2016-10-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	E. coli	31648	2016-10-07	#/100 ml	METHOD PROCEDURE WAS NOT FOLLOWED
003	CBOD 5 day	80082	2016-10-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	E. coli	31648	2016-10-21	#/100 ml	SAMPLE PASSED HOLDING TIME
002	CBOD 5 day	80082	2016-10-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-31	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	630082	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett			2016-12-13 08:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	630082	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2016-11-01	AC	AC	AC	AC	AC		
2016-11-02	AC	AC	AC	AC	AC		
2016-11-03	114	44	1	41.10	5.81		
2016-11-04	AC	AC	AC	AC	AC		
2016-11-05	AC	AC	AC	AC	AC		
2016-11-06	AC	AC	AC	AC	AC		
2016-11-07	AC	AC	AC	AC	AC		
2016-11-08	AC	AC	AC	AC	AC		
2016-11-09	AC	AC	AC	AC	AC		
2016-11-10	AC	AC	AC	AC	AC		
2016-11-11	AC	AC	AC	AC	AC		
2016-11-12	AC	AC	AC	AC	AC		
2016-11-13	AC	AC	AC	AC	AC		
2016-11-14	AC	AC	AC	AC	AC		
2016-11-15	AC	AC	AC	AC	AC		
2016-11-16	AC	AC	AC	AC	AC		
2016-11-17	AC	AC	AC	AC	AC		
2016-11-18	AC	AC	AC	AC	AC		
2016-11-19	AC	AC	AC	AC	AC		
2016-11-20	AC	AC	AC	AC	AC		
2016-11-21	AC	AC	AC	AC	AC		
2016-11-22	AC	AC	AC	AC	AC		
2016-11-23	AC	AC	AC	AC	AC		
2016-11-24	AC	AC	AC	AC	AC		
2016-11-25	AC	AC	AC	AC	AC		
2016-11-26	AC	AC	AC	AC	AC		
2016-11-27	AC	AC	AC	AC	AC		
2016-11-28	AC	AC	AC	AC	AC		
2016-11-29	AC	AC	AC	AC	AC		
2016-11-30	AC	AC	AC	AC	AC		
Minimum	114.0	44.0	1.0	41.1	5.81		
Maximum	114.0	44.0	1.0	41.1	5.81		
Average	114	44	1	41.1	5.81		
Count	1	1	1	1	1		

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett			2016-12-13 08:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2016-11-01** To: **2016-11-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Nitrogen, Ammonia (NH3)	00610	2016-11-10	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrogen, Ammonia (NH3)	00610	2016-11-23	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	CBOD 5 day	80082	2016-11-10	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-12	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-13	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	Phosphorus, Total (P)	00665	2016-11-10	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Phosphorus, Total (P)	00665	2016-11-23	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2016-11-10	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2016-11-23	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Chromium, Dissolved Hexavalent	01220	2016-11-02	ug/l	METHOD QC CRITERIA WAS NOT FOLLOWED
601	CBOD 5 day	80082	2016-11-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-10	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-12	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-13	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-30	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	Chromium, Dissolved Hexavalent	01220	2016-11-02	ug/l	METHOD QC CRITERIA WAS NOT FOLLOWED

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	637647	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett			2017-01-13 16:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	637647	**STATUS:**	Original
FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2016-12-01	AC	AC	AC	AC	AC		
2016-12-02	AC	AC	AC	AC	AC		
2016-12-03	AC	AC	AC	AC	AC		
2016-12-04	AC	AC	AC	AC	AC		
2016-12-05	AC	AC	AC	AC	AC		
2016-12-06	268	60	1	44.70	5.95		
2016-12-07	AC	AC	AC	AC	AC		
2016-12-08	AC	AC	AC	AC	AC		
2016-12-09	AC	AC	AC	AC	AC		
2016-12-10	AC	AC	AC	AC	AC		
2016-12-11	AC	AC	AC	AC	AC		
2016-12-12	AC	AC	AC	AC	AC		
2016-12-13	AC	AC	AC	AC	AC		
2016-12-14	AC	AC	AC	AC	AC		
2016-12-15	AC	AC	AC	AC	AC		
2016-12-16	AC	AC	AC	AC	AC		
2016-12-17	344	110	1	10.24	0.53		
2016-12-18	AH	AH	0	53.95	5.33		
2016-12-19	AC	AC	AC	AC	AC		
2016-12-20	AC	AC	AC	AC	AC		
2016-12-21	AC	AC	AC	AC	AC		
2016-12-22	AC	AC	AC	AC	AC		
2016-12-23	AC	AC	AC	AC	AC		
2016-12-24	AC	AC	AC	AC	AC		
2016-12-25	AC	AC	AC	AC	AC		
2016-12-26	AC	AC	AC	AC	AC		
2016-12-27	AC	AC	AC	AC	AC		
2016-12-28	AC	AC	AC	AC	AC		
2016-12-29	AC	AC	AC	AC	AC		
2016-12-30	AC	AC	AC	AC	AC		
2016-12-31	AC	AC	AC	AC	AC		
Minimum	268.0	60.0	0.0	10.24	0.53		
Maximum	344.0	110.0	1.0	53.95	5.95		
Average	306	85	0.66667	36.29667	3.93667		
Count	2	2	3	3	3		

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Robert Bonnett			2017-01-13 16:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NE Ohio Regional S D Easterly STP
LOCATION: 14021 Lakeshore Blvd
Cleveland, OH 44115

PERMIT NUMBER: ***3PF00001*LD***
MONITORING PERIOD : **2016-12-01** To: **2016-12-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Nitrogen, Ammonia (NH3)	00610	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrogen, Ammonia (NH3)	00610	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrogen, Ammonia (NH3)	00610	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-19	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-26	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Phosphorus, Total (P)	00665	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Phosphorus, Total (P)	00665	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Phosphorus, Total (P)	00665	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrite Plus Nitrate, Total	00630	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrite Plus Nitrate, Total	00630	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrite Plus Nitrate, Total	00630	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
002	Total Suspended Solids	00530	2016-12-18	mg/l	NO SAMPLE COLLECTED
002	CBOD 5 day	80082	2016-12-18	mg/l	NO SAMPLE COLLECTED
601	CBOD 5 day	80082	2016-12-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-15	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-19	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-26	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	Easterly Wastewater Treatment Plant
NPDES Permit number:	3PF00001*LD
Contact name for permittee:	Robert M. Bonnett, Plant Superintendent
Contact telephone number:	(216) 531-4892
Date and time of discharge	
Date and time(s) of discharge:	August 25, 2016 (3:39 AM – 7:21 AM)
Date and time discharge discovered:	Same as Above
Description of discharge	
Approximate amount of discharge:	7.10 MG
Characteristics of discharge:	Settled Sewage at Station Number 3PF00001003
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Lake Erie
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Wet Weather
Contact person with knowledge of discharge (if different than above)	
Name:	Michael Dolsen
Telephone number:	(216) 531-4892
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	None at this time
Person responsible for implementing remedial steps	
Name:	N/A
Telephone number:	N/A

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

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Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	Easterly Wastewater Treatment Plant
NPDES Permit number:	3PF00001*LD
Contact name for permittee:	Robert M. Bonnett, Plant Superintendent
Contact telephone number:	(216) 531-4892
Date and time of discharge	
Date and time(s) of discharge:	September 17, 2016 (9:08 AM – 3:12 PM)
Date and time discharge discovered:	Same as Above
Description of discharge	
Approximate amount of discharge:	21.95 MG
Characteristics of discharge:	Settled Sewage at Station Number 3PF00001003
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Lake Erie
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Wet Weather
Contact person with knowledge of discharge (if different than above)	
Name:	Thomas Wenger
Telephone number:	(216) 531-4892
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	None at this time
Person responsible for implementing remedial steps	
Name:	N/A
Telephone number:	N/A

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

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Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
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Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	Easterly Wastewater Treatment Plant
NPDES Permit number:	3PF00001*LD
Contact name for permittee:	Robert M. Bonnett, Plant Superintendent
Contact telephone number:	(216) 531-4892
Date and time of discharge	
Date and time(s) of discharge:	September 30, 2016 (5:15 PM – 9:20 PM)
Date and time discharge discovered:	Same as Above
Description of discharge	
Approximate amount of discharge:	14.02
Characteristics of discharge:	Settled Sewage at Station Number 3PF00001003
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Lake Erie
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Wet Weather
Contact person with knowledge of discharge (if different than above)	
Name:	Thomas Wenger
Telephone number:	(216) 531-4892
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	None at this time
Person responsible for implementing remedial steps	
Name:	N/A
Telephone number:	N/A

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

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Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	Easterly Wastewater Treatment Plant
NPDES Permit number:	3PF00001*LD
Contact name for permittee:	Robert M. Bonnett, Plant Superintendent
Contact telephone number:	(216) 531-4892
Date and time of discharge	
Date and time(s) of discharge:	October 21, 2016 (9:44 AM – 9:15 PM)
Date and time discharge discovered:	Same as Above
Description of discharge	
Approximate amount of discharge:	43.45
Characteristics of discharge:	Settled Sewage at Station Number 3PF00001003
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Lake Erie
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Wet Weather
Contact person with knowledge of discharge (if different than above)	
Name:	Mark Gabor
Telephone number:	(216) 531-4892
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	None at this time
Person responsible for implementing remedial steps	
Name:	N/A
Telephone number:	N/A

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	Easterly Wastewater Treatment Plant
NPDES Permit number:	3PF00001*LD
Contact name for permittee:	Robert M. Bonnett, Plant Superintendent
Contact telephone number:	(216) 531-4892
Date and time of discharge	
Date and time(s) of discharge:	October 27, 2016 (7:47 AM – 12:00 Noon)
Date and time discharge discovered:	Same as Above
Description of discharge	
Approximate amount of discharge:	16.10 MG
Characteristics of discharge:	Settled Sewage at Station Number 3PF00001003
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Lake Erie
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Wet Weather
Contact person with knowledge of discharge (if different than above)	
Name:	Rawley Ross
Telephone number:	(216) 531-4892
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	None at this time
Person responsible for implementing remedial steps	
Name:	N/A
Telephone number:	N/A

Southerly WWTP eDMR Reports

Outfall 002: Bypass after primary settling tanks

Outfall 003: Emergency bypass after first-stage settling

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	601122	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-15 16:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	601122	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-08-15 16:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2016-07-01** To: **2016-07-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2016-07-05	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-06	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-07	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-10	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-14	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-15	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-18	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-19	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-21	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-22	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-23	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-25	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-03	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-05	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-06	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-07	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-08	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-09	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-10	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-13	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-14	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-15	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-17	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-18	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-19	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-20	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-21	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-22	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-23	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-24	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-25	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-26	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-27	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-29	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-30	mg/l	STANDARDS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609120	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2016-08-01	AC	AC	AC	AC	AC		
2016-08-02	AC	AC	AC	AC	AC		
2016-08-03	AC	AC	AC	AC	AC		
2016-08-04	AC	AC	AC	AC	AC		
2016-08-05	AC	AC	AC	AC	AC		
2016-08-06	AC	AC	AC	AC	AC		
2016-08-07	AC	AC	AC	AC	AC		
2016-08-08	AC	AC	AC	AC	AC		
2016-08-09	AC	AC	AC	AC	AC		
2016-08-10	48	30	1	2.45	8.8		
2016-08-11	AC	AC	AC	AC	AC		
2016-08-12	AC	AC	AC	AC	AC		
2016-08-13	AC	AC	AC	AC	AC		
2016-08-14	AC	AC	AC	AC	AC		
2016-08-15	AC	AC	AC	AC	AC		
2016-08-16	AC	AC	AC	AC	AC		
2016-08-17	AC	AC	AC	AC	AC		
2016-08-18	AC	AC	AC	AC	AC		
2016-08-19	AC	AC	AC	AC	AC		
2016-08-20	AC	AC	AC	AC	AC		
2016-08-21	AC	AC	AC	AC	AC		
2016-08-22	AC	AC	AC	AC	AC		
2016-08-23	AC	AC	AC	AC	AC		
2016-08-24	AC	AC	AC	AC	AC		
2016-08-25	AC	AC	AC	AC	AC		
2016-08-26	AC	AC	AC	AC	AC		
2016-08-27	AC	AC	AC	AC	AC		
2016-08-28	AC	AC	AC	AC	AC		
2016-08-29	AC	AC	AC	AC	AC		
2016-08-30	AC	AC	AC	AC	AC		
2016-08-31	AC	AC	AC	AC	AC		
Minimum	48.0	30.0	1.0	2.45	8.8		
Maximum	48.0	30.0	1.0	2.45	8.8		
Average	48	30	1	2.45	8.8		
Count	1	1	1	1	1		

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson			2016-09-16 16:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609120	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							
2016-08-10							
2016-08-11							
2016-08-12							
2016-08-13							
2016-08-14							
2016-08-15							
2016-08-16							
2016-08-17							
2016-08-18							
2016-08-19							
2016-08-20							
2016-08-21							
2016-08-22							
2016-08-23							
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2016-08-25							
2016-08-26							
2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-09-16 16:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2016-08-01** To: **2016-08-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
585	Nickel, Total In Sludge	01068	2016-08-15	mg/kg	Sample Collected Improperly by Operations
585	Mercury, Total In Sludge	71921	2016-08-15	mg/kg	Sample Collected Improperly by Operations
601	CBOD 5 day	80082	2016-08-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-08-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-08-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-08-28	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	616305	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							
2016-09-09							
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2016-09-15							
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2016-09-21							
2016-09-22							
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2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-10-17 11:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	616305	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
2016-09-15							
2016-09-16							
2016-09-17							
2016-09-18							
2016-09-19							
2016-09-20							
2016-09-21							
2016-09-22							
2016-09-23							
2016-09-24							
2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-10-17 11:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD **PERMIT NUMBER:** ***3PF00002*ND***
LOCATION: 6000 Canal Road Cuyahoga Heights, OH 44124 **MONITORING PERIOD :** **2016-09-01** To: **2016-09-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2016-09-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-09-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-26	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	623711	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2016-10-01	AC	AC	AC	AC	AC		
2016-10-02	AC	AC	AC	AC	AC		
2016-10-03	AC	AC	AC	AC	AC		
2016-10-04	AC	AC	AC	AC	AC		
2016-10-05	AC	AC	AC	AC	AC		
2016-10-06	AC	AC	AC	AC	AC		
2016-10-07	AC	AC	AC	AC	AC		
2016-10-08	AC	AC	AC	AC	AC		
2016-10-09	AC	AC	AC	AC	AC		
2016-10-10	AC	AC	AC	AC	AC		
2016-10-11	AC	AC	AC	AC	AC		
2016-10-12	AC	AC	AC	AC	AC		
2016-10-13	AC	AC	AC	AC	AC		
2016-10-14	AC	AC	AC	AC	AC		
2016-10-15	AC	AC	AC	AC	AC		
2016-10-16	AC	AC	AC	AC	AC		
2016-10-17	AC	AC	AC	AC	AC		
2016-10-18	AC	AC	AC	AC	AC		
2016-10-19	AC	AC	AC	AC	AC		
2016-10-20	AC	AC	AC	AC	AC		
2016-10-21	70	21	1	8.48	50.7		
2016-10-22	AC	AC	AC	AC	AC		
2016-10-23	AC	AC	AC	AC	AC		
2016-10-24	AC	AC	AC	AC	AC		
2016-10-25	AC	AC	AC	AC	AC		
2016-10-26	AC	AC	AC	AC	AC		
2016-10-27	AC	AC	AC	AC	AC		
2016-10-28	AC	AC	AC	AC	AC		
2016-10-29	AC	AC	AC	AC	AC		
2016-10-30	AC	AC	AC	AC	AC		
2016-10-31	AC	AC	AC	AC	AC		
Minimum	70.0	21.0	1.0	8.48	50.7		
Maximum	70.0	21.0	1.0	8.48	50.7		
Average	70	21	1	8.48	50.7		
Count	1	1	1	1	1		

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson			2016-11-15 15:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	623711	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
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2016-10-15							
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2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-11-15 15:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2016-10-01** To: **2016-10-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	E. coli	31648	2016-10-07	#/100 ml	METHOD PROCEDURE WAS NOT FOLLOWED
601	CBOD 5 day	80082	2016-10-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-31	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	631284	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-12-16 12:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	631284	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-12-16 12:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2016-11-01** To: **2016-11-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Nitrogen, Ammonia (NH3)	00610	2016-11-10	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrogen, Ammonia (NH3)	00610	2016-11-23	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	CBOD 5 day	80082	2016-11-10	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-12	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-13	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	Phosphorus, Total (P)	00665	2016-11-10	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Phosphorus, Total (P)	00665	2016-11-23	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2016-11-10	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2016-11-23	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Cyanide, Free (Low-Level)	51173	2016-11-01	ug/l	ANALYST ERROR.
601	CBOD 5 day	80082	2016-11-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-10	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-12	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-13	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-30	mg/l	STANDARDS DID NOT MEET QC CRITERIA
901	Cyanide, Free	00719	2016-11-01	mg/l	SAMPLE DID NOT MEET QC CRTERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638899	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total		
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
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2016-12-21							
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2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-01-18 18:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	638899	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**STATION CODE:**	003
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	1/Month		
SAMPLING TYPE	Grab	Grab	Grab	24hr Total	24hr Total		
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
2016-12-19							
2016-12-20							
2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Terry Robinson	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2017-01-18 18:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: Southerly Wastewater Trtmnt Ctr, NEORSD
LOCATION: 6000 Canal Road
Cuyahoga Heights, OH 44124

PERMIT NUMBER: ***3PF00002*ND***
MONITORING PERIOD : **2016-12-01** To: **2016-12-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Nitrogen, Ammonia (NH3)	00610	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrogen, Ammonia (NH3)	00610	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrogen, Ammonia (NH3)	00610	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-19	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-26	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Phosphorus, Total (P)	00665	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Phosphorus, Total (P)	00665	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Phosphorus, Total (P)	00665	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrite Plus Nitrate, Total	00630	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrite Plus Nitrate, Total	00630	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrite Plus Nitrate, Total	00630	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Orthophosphate, Dissolved (as P)	00671	2016-12-06	mg/l	ANALYST ERROR ON ANALYSIS
601	CBOD 5 day	80082	2016-12-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-15	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-19	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-26	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	George Schur
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	10/21/16 From 09:58 to 18:27HRS
Date and time discharge discovered:	10/21/16 @09:58HRS
Description of discharge	
Approximate amount of discharge:	50.65 MG
Characteristics of discharge:	Settled Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	**Travis Pitts**
Telephone number:	(216) 641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Division of Surface Water
Non-compliance Notification for
Bypasses and Upsets

Use this form to report non-compliance that is the result of any **unanticipated bypass** or **upset** resulting in an exceedance of any **effluent limit** in your NPDES permit (see Part III, Section 12 of your NPDES permit for details). The form should be completed and emailed to the appropriate Ohio EPA inspector, or Ohio EPA office using one of the following addresses:

Southeast District Office:	sedo24hournpdes@epa.ohio.gov
Southwest District Office:	swdo24hournpdes@epa.ohio.gov
Northwest District Office:	nwdo24hournpdes@epa.ohio.gov
Northeast District Office:	nedo24hournpdes@epa.ohio.gov
Central District Office:	cdo24hournpdes@epa.ohio.gov
Central Office:	co24hournpdes@epa.ohio.gov

On a case-by-case basis it may be determined an environmental emergency exists. Report environmental emergencies within thirty (30) minutes of discovery to Ohio EPA 24-hours a day, 365 days a year at 800-282-9378!

Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	George Schur
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	8/10/2016 @ 2031 hrs to 2258 hrs
Date and time discharge discovered:	8/10/2016 @ 2031 hrs
Description of discharge	
Approximate amount of discharge:	8.76 MG
Characteristics of discharge:	Settled Sewage
Stream(s) affected by discharge	
Provide the name of all streams affected by the discharge:	Cuyahoga River
Circumstances that created the discharge	
Describe the circumstances that created the discharge:	Exceeded the plant's hydraulic capacity
Contact person with knowledge of discharge (if different than above)	
Name:	**Steve Lizewski**
Telephone number:	(216) 641-3200
Remedial steps	
Describe all remedial steps which are or will be taken to address the discharge:	
Person responsible for implementing remedial steps	
Name:	
Telephone number:	

Westerly WWTP eDMR Reports

Outfall 002: Wet weather overflow/bypass to Lake Erie

Outfall 602: Secondary treatment bypass

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	601271	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andy Rossiter			2016-08-16 12:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	601271	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2016-07-01** To: **2016-07-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2016-07-01							
2016-07-02							
2016-07-03							
2016-07-04							
2016-07-05							
2016-07-06							
2016-07-07							
2016-07-08							
2016-07-09							
2016-07-10							
2016-07-11							
2016-07-12							
2016-07-13							
2016-07-14							
2016-07-15							
2016-07-16							
2016-07-17							
2016-07-18							
2016-07-19							
2016-07-20							
2016-07-21							
2016-07-22							
2016-07-23							
2016-07-24							
2016-07-25							
2016-07-26							
2016-07-27							
2016-07-28							
2016-07-29							
2016-07-30							
2016-07-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andy Rossiter			2016-08-16 12:08

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2016-07-01** To: **2016-07-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2016-07-03	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-05	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-06	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-07	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-08	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-09	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-10	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-11	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-13	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-14	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-15	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-16	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-18	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-19	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-21	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
001	CBOD 5 day	80082	2016-07-22	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-23	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-24	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-07-25	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-03	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-05	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-06	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-07	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-08	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-09	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-10	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-11	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-13	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-14	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-15	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-16	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-17	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-18	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-19	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-20	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-21	mg/l	STANDARDS DID NOT MEET QC CRITEIRA
601	CBOD 5 day	80082	2016-07-22	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-23	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-24	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-25	mg/l	STANDARDS DID NOT MEET QC CRITERIA

601	CBOD 5 day	80082	2016-07-26	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-27	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-29	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-07-30	mg/l	STANDARDS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609097	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2016-08-01	AC	AC	AC	AC	AC	AC	
2016-08-02	AC	AC	AC	AC	AC	AC	
2016-08-03	AC	AC	AC	AC	AC	AC	
2016-08-04	AC	AC	AC	AC	AC	AC	
2016-08-05	AC	AC	AC	AC	AC	AC	
2016-08-06	AC	AC	AC	AC	AC	AC	
2016-08-07	AC	AC	AC	AC	AC	AC	
2016-08-08	AC	AC	AC	AC	AC	AC	
2016-08-09	AE	128	30	1	0.6	0.60	
2016-08-10	AC	AC	AC	AC	AC	AC	
2016-08-11	AE	93	23	1	1.9	0.90	
2016-08-12	AC	AC	AC	AC	AC	AC	
2016-08-13	AC	AC	AC	AC	AC	AC	
2016-08-14	AC	AC	AC	AC	AC	AC	
2016-08-15	AC	AC	AC	AC	AC	AC	
2016-08-16	AC	AC	AC	AC	AC	AC	
2016-08-17	AC	AC	AC	AC	AC	AC	
2016-08-18	AC	AC	AC	AC	AC	AC	
2016-08-19	AC	AC	AC	AC	AC	AC	
2016-08-20	AC	AC	AC	AC	AC	AC	
2016-08-21	AC	AC	AC	AC	AC	AC	
2016-08-22	AC	AC	AC	AC	AC	AC	
2016-08-23	AC	AC	AC	AC	AC	AC	
2016-08-24	AC	AC	AC	AC	AC	AC	
2016-08-25	540000	82	29	1	10.4	1.20	
2016-08-26	AC	AC	AC	AC	AC	AC	
2016-08-27	AC	AC	AC	AC	AC	AC	
2016-08-28	AC	AC	AC	AC	AC	AC	
2016-08-29	AC	AC	AC	AC	AC	AC	
2016-08-30	AC	AC	AC	AC	AC	AC	
2016-08-31	AC	AC	AC	AC	AC	AC	
Minimum	540000.0	82.0	23.0	1.0	0.6	0.6	
Maximum	540000.0	128.0	30.0	1.0	10.4	1.2	
Average	540000	101	27.33333	1	4.3	0.9	
Count	1	3	3	3	3	3	

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andy Rossiter			2016-09-16 15:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	609097	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2016-08-01** To: **2016-08-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2016-08-01							
2016-08-02							
2016-08-03							
2016-08-04							
2016-08-05							
2016-08-06							
2016-08-07							
2016-08-08							
2016-08-09							
2016-08-10							
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2016-08-27							
2016-08-28							
2016-08-29							
2016-08-30							
2016-08-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andy Rossiter			2016-09-16 15:09

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2016-08-01** To: **2016-08-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
002	E. coli	31648	2016-08-09	#/100 ml	SAMPLE PASSED HOLDING TIE
002	E. coli	31648	2016-08-11	#/100 ml	SAMPLE PASSED HOLDING TIE
585	Arsenic, Total In Sludge	01003	2016-08-15	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS
585	Beryllium, Total In Sludge	01013	2016-08-15	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS
585	Cadmium, Total In Sludge	01028	2016-08-15	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS
585	Chromium, Total In Sludge	01029	2016-08-15	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS
585	Lead, Total In Sludge	01052	2016-08-15	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS
585	Nickel, Total In Sludge	01068	2016-08-15	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS
585	Mercury, Total In Sludge	71921	2016-08-15	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS
601	CBOD 5 day	80082	2016-08-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-08-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-08-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-08-28	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	616710	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2016-09-01	AC	AC	AC	AC	AC	AC	
2016-09-02	AC	AC	AC	AC	AC	AC	
2016-09-03	AC	AC	AC	AC	AC	AC	
2016-09-04	AC	AC	AC	AC	AC	AC	
2016-09-05	AC	AC	AC	AC	AC	AC	
2016-09-06	AC	AC	AC	AC	AC	AC	
2016-09-07	AC	AC	AC	AC	AC	AC	
2016-09-08	AC	AC	AC	AC	AC	AC	
2016-09-09	AC	AC	AC	AC	AC	AC	
2016-09-10	AH	142	27	1	0.8	2.20	
2016-09-11	AC	AC	AC	AC	AC	AC	
2016-09-12	AC	AC	AC	AC	AC	AC	
2016-09-13	AC	AC	AC	AC	AC	AC	
2016-09-14	AC	AC	AC	AC	AC	AC	
2016-09-15	AC	AC	AC	AC	AC	AC	
2016-09-16	AC	AC	AC	AC	AC	AC	
2016-09-17	620000	187	20	1	30.9	5.00	
2016-09-18	AC	AC	AC	AC	AC	AC	
2016-09-19	AC	AC	AC	AC	AC	AC	
2016-09-20	AC	AC	AC	AC	AC	AC	
2016-09-21	AC	AC	AC	AC	AC	AC	
2016-09-22	AC	AC	AC	AC	AC	AC	
2016-09-23	AC	AC	AC	AC	AC	AC	
2016-09-24	AC	AC	AC	AC	AC	AC	
2016-09-25	AC	AC	AC	AC	AC	AC	
2016-09-26	AC	AC	AC	AC	AC	AC	
2016-09-27	AC	AC	AC	AC	AC	AC	
2016-09-28	AC	AC	AC	AC	AC	AC	
2016-09-29	AH	98	17	1	17.1	3.30	
2016-09-30	AH	37	9	1	1.8	2.60	
Minimum	620000.0	37.0	9.0	1.0	0.8	2.2	
Maximum	620000.0	187.0	27.0	1.0	30.9	5.0	
Average	620000	116	18.25	1	12.65	3.275	
Count	1	4	4	4	4	4	

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Andrew Rossiter	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.		2016-10-18 10:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	616710	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2016-09-01** To: **2016-09-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2016-09-01							
2016-09-02							
2016-09-03							
2016-09-04							
2016-09-05							
2016-09-06							
2016-09-07							
2016-09-08							
2016-09-09							
2016-09-10							
2016-09-11							
2016-09-12							
2016-09-13							
2016-09-14							
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2016-09-25							
2016-09-26							
2016-09-27							
2016-09-28							
2016-09-29							
2016-09-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter			2016-10-18 10:10

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2016-09-01** To: **2016-09-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	CBOD 5 day	80082	2016-09-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-09-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-09-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-09-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-09-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	Mercury, Total (Low Level)	50092	2016-09-15	ng/l	BLANKS DID NOT MEET QC CRITERIA
002	E. coli	31648	2016-09-10	#/100 ml	SAMPLE PASSED HOLDING TIME
002	E. coli	31648	2016-09-29	#/100 ml	SAMPLE PASSED HOLDING TIME
002	E. coli	31648	2016-09-30	#/100 ml	SAMPLE PASSED HOLDING TIME
601	pH, Minimum	61942	2016-09-08	S.U.	INSTRUMENT ERROR
601	pH, Minimum	61942	2016-09-09	S.U.	INSTRUMENT ERROR
601	CBOD 5 day	80082	2016-09-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-09-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	Mercury, Total (Low Level)	50092	2016-09-15	ng/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624897	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	E. coli	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge	
PARAMETER CODE	31648	00530	80082	74062	74063	82517	
UNITS	#/100 ml	mg/l	mg/l	No./Month	Million Gallons	Hours	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	Grab	Total	24hr Total	24hr Total	
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
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2016-10-16							
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2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter			2016-11-18 14:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	624897	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2016-10-01** To: **2016-10-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2016-10-01							
2016-10-02							
2016-10-03							
2016-10-04							
2016-10-05							
2016-10-06							
2016-10-07							
2016-10-08							
2016-10-09							
2016-10-10							
2016-10-11							
2016-10-12							
2016-10-13							
2016-10-14							
2016-10-15							
2016-10-16							
2016-10-17							
2016-10-18							
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2016-10-20							
2016-10-21							
2016-10-22							
2016-10-23							
2016-10-24							
2016-10-25							
2016-10-26							
2016-10-27							
2016-10-28							
2016-10-29							
2016-10-30							
2016-10-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter			2016-11-18 14:11

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2016-10-01** To: **2016-10-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	E. coli	31648	2016-10-07	#/100 ml	METHOD PROCEDURE WAS NOT FOLLOWED
001	CBOD 5 day	80082	2016-10-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-10-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
585	Arsenic, Total In Sludge	01003	2016-10-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Beryllium, Total In Sludge	01013	2016-10-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Cadmium, Total In Sludge	01028	2016-10-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Chromium, Total In Sludge	01029	2016-10-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Lead, Total In Sludge	01052	2016-10-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Nickel, Total In Sludge	01068	2016-10-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Mercury, Total In Sludge	71921	2016-10-03	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
601	CBOD 5 day	80082	2016-10-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-10-31	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	630829	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter			2016-12-15 10:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	630829	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2016-11-01** To: **2016-11-30**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2016-11-01							
2016-11-02							
2016-11-03							
2016-11-04							
2016-11-05							
2016-11-06							
2016-11-07							
2016-11-08							
2016-11-09							
2016-11-10							
2016-11-11							
2016-11-12							
2016-11-13							
2016-11-14							
2016-11-15							
2016-11-16							
2016-11-17							
2016-11-18							
2016-11-19							
2016-11-20							
2016-11-21							
2016-11-22							
2016-11-23							
2016-11-24							
2016-11-25							
2016-11-26							
2016-11-27							
2016-11-28							
2016-11-29							
2016-11-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter			2016-12-15 10:12

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2016-11-01** To: **2016-11-30**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Nitrogen, Ammonia (NH3)	00610	2016-11-10	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrogen, Ammonia (NH3)	00610	2016-11-23	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	CBOD 5 day	80082	2016-11-10	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-12	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-13	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-16	mg/l	STANDARDS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-11-30	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	Phosphorus, Total (P)	00665	2016-11-10	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Phosphorus, Total (P)	00665	2016-11-23	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2016-11-10	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2016-11-23	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY
001	Chromium, Dissolved Hexavalent	01220	2016-11-02	ug/l	METHOD QC CRITERIA WAS NOT FOLLOWED
601	CBOD 5 day	80082	2016-11-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-07	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-10	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-11	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-12	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-13	mg/l	STANDARDS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-16	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-11-30	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	Chromium, Dissolved Hexavalent	01220	2016-11-02	ug/l	METHOD QC CRITERIA WAS NOT FOLLOWED

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	639116	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Overflow Occurrence	Overflow Volume	Duration of Discharge		
PARAMETER CODE	00530	80082	74062	74063	82517		
UNITS	mg/l	mg/l	No./Month	Million Gallons	Hours		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	Grab	Grab	Total	24hr Total	24hr Total		
2016-12-01	AC	AC	AC	AC	AC		
2016-12-02	AC	AC	AC	AC	AC		
2016-12-03	AC	AC	AC	AC	AC		
2016-12-04	AC	AC	AC	AC	AC		
2016-12-05	AC	AC	AC	AC	AC		
2016-12-06	AC	AC	AC	AC	AC		
2016-12-07	AC	AC	AC	AC	AC		
2016-12-08	AC	AC	AC	AC	AC		
2016-12-09	AC	AC	AC	AC	AC		
2016-12-10	AC	AC	AC	AC	AC		
2016-12-11	AC	AC	AC	AC	AC		
2016-12-12	AC	AC	AC	AC	AC		
2016-12-13	AC	AC	AC	AC	AC		
2016-12-14	AC	AC	AC	AC	AC		
2016-12-15	AC	AC	AC	AC	AC		
2016-12-16	AC	AC	AC	AC	AC		
2016-12-17	AC	AC	AC	AC	AC		
2016-12-18	100	44	1	0.3	0.90		
2016-12-19	AC	AC	AC	AC	AC		
2016-12-20	AC	AC	AC	AC	AC		
2016-12-21	AC	AC	AC	AC	AC		
2016-12-22	AC	AC	AC	AC	AC		
2016-12-23	AC	AC	AC	AC	AC		
2016-12-24	AC	AC	AC	AC	AC		
2016-12-25	AC	AC	AC	AC	AC		
2016-12-26	AC	AC	AC	AC	AC		
2016-12-27	AC	AC	AC	AC	AC		
2016-12-28	AC	AC	AC	AC	AC		
2016-12-29	AC	AC	AC	AC	AC		
2016-12-30	AC	AC	AC	AC	AC		
2016-12-31	AC	AC	AC	AC	AC		
Minimum	100.0	44.0	1.0	0.3	0.9		
Maximum	100.0	44.0	1.0	0.3	0.9		
Average	100	44	1	0.3	0.9		
Count	1	1	1	1	1		

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter			2017-01-19 12:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	639116	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**STATION CODE:**	602
		MONITORING PERIOD :	**2016-12-01** To: **2016-12-31**
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Mark Citriglia Manager of Analytical Services
		NO DISCHARGE INDICATOR:	AL

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume		
PARAMETER CODE	00530	80082	00051	00052	51428		
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL		
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.		
SAMPLING TYPE	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2016-12-01							
2016-12-02							
2016-12-03							
2016-12-04							
2016-12-05							
2016-12-06							
2016-12-07							
2016-12-08							
2016-12-09							
2016-12-10							
2016-12-11							
2016-12-12							
2016-12-13							
2016-12-14							
2016-12-15							
2016-12-16							
2016-12-17							
2016-12-18							
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2016-12-21							
2016-12-22							
2016-12-23							
2016-12-24							
2016-12-25							
2016-12-26							
2016-12-27							
2016-12-28							
2016-12-29							
2016-12-30							
2016-12-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative	I certify under the penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.	**Signature of Responsible Official or Authorized Representative**	**Submission Date/Time**
Andrew Rossiter			2017-01-19 12:01

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY: NEORSD Westerly WWTP
LOCATION: 5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115

PERMIT NUMBER: ***3PE00001*PD***
MONITORING PERIOD : **2016-12-01** To: **2016-12-31**

GENERAL REPORT COMMENT:
Plant operational data including Temp, DO, pH Flow and Chl. Res is approved and validated by the plant Superintendents. Analytical Data is approved by the Laboratory Manager. All analytical data generated by the Laboratory is NELAP compliant DEP Lab ID #68-03670

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
001	Nitrogen, Ammonia (NH3)	00610	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrogen, Ammonia (NH3)	00610	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrogen, Ammonia (NH3)	00610	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-12-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-12-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2016-12-19	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-26	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	CBOD 5 day	80082	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Phosphorus, Total (P)	00665	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Phosphorus, Total (P)	00665	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Phosphorus, Total (P)	00665	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrite Plus Nitrate, Total	00630	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrite Plus Nitrate, Total	00630	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Nitrite Plus Nitrate, Total	00630	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
001	Orthophosphate, Dissolved (as P)	00671	2016-12-06	mg/l	ANALYST ERROR ON ANALYSIS
585	Arsenic, Total In Sludge	01003	2016-12-19	mg/kg	SAMPLE WAS COLLECTED INCORRECTLY
585	Beryllium, Total In Sludge	01013	2016-12-19	mg/kg	SAMPLE WAS COLLECTED INCORRECTLY
585	Cadmium, Total In Sludge	01028	2016-12-19	mg/kg	SAMPLE WAS COLLECTED INCORRECTLY
585	Chromium, Total In Sludge	01029	2016-12-19	mg/kg	SAMPLE WAS COLLECTED INCORRECTLY
585	Lead, Total In Sludge	01052	2016-12-19	mg/kg	SAMPLE WAS COLLECTED INCORRECTLY
585	Nickel, Total In Sludge	01068	2016-12-19	mg/kg	SAMPLE WAS COLLECTED INCORRECTLY
585	Mercury, Total In Sludge	71921	2016-12-19	mg/kg	SAMPLE WAS COLLECTED INCORRECTLY
601	CBOD 5 day	80082	2016-12-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-15	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-19	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2016-12-24	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-25	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-26	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.
601	CBOD 5 day	80082	2016-12-31	mg/l	SAMPLE NOT ANALYZED DUE TO A HOLIDAY.