

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

Case 1:10-CV-02895-DCN

Semi-Annual Progress Report No. 13

July 27, 2018

Northeast Ohio
Regional Sewer District

July 27, 2018

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Re: Consent Decree Case 1:10-CV-02895-DCN
Semi-Annual Progress Report No. 13

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 January 1, 2018 through June 30, 2018.

Sincerely,

Kyle Dreyfuss-Wells
Chief Executive Officer

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

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4. Certification Statement (IX. Paragraph 48)

ATTACHMENT 1: Appendix 3 Green Infrastructure Site-Specific Flow Monitoring Performance Summaries (actual raw and edited data provided electronically):

Fleet Avenue Green Infrastructure Project

Green Ambassador Urban Agriculture

Green Ambassador Fairhill/MLK

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. 11 collections occurred during the reporting period at a total expense of $124,401.89. For the reporting period, NEORSD was invoiced $20,024.52. As of June 30, 2018, 167 collections have occurred, and NEORSD has been invoiced a total of $963,927.85.

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: The National Parks Service Regional Director signed a Finding of No Significant Impact for the Environmental Assessment Report on February 13, 2018. A kickoff meeting with the interested stakeholders was held on June 18, 2018. The Request for Qualifications (RFQ) was public-noticed on June 30, 2018 with a response deadline of July 30, 2018.

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: • 5 blog posts and updated neorsd.org content regarding Project Clean Lake-related projects, funding or initiatives between January and June 2018 http://neorsd.org/blog • Hosted groundbreaking ceremony for Westerly Storage Tunnel May 18, 2018, a key component of Infrastructure Week. https://medium.com/@neorsd/time-to-build-groundbreaking-may-18-will-launch-our-latest-tunnel-project-59cb17e571d5 • Recorded "Sewer University (SewerU)" presentation on Cleveland's public access channel TV20 for future outreach • 11 public meetings discussing Project Clean Lake construction and green infrastructure updates • At least 22 meetings with business owners and city council members to communicate project information and updates • Appearance on PBS IdeaStream on June 6th, 2018, for the "Making It: The Giant Underground Tunnels Cleaning Up the Lake" segment
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	In compliance: Achievement of Full Operation on January 1, 2018.

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	Implementation of GI Plan	Implementation of GI Plan within eight (8) years of Entry of Decree	July 7, 2019	Completed site-specific post construction monitoring of the Fleet Avenue GI Project and compiled data for submittal in Attachment 1 of this Progress Report. Completed site-specific post construction monitoring of the Green Ambassador Fairhill/MLK project and compiled data for submittal in Attachment 1 of this Progress Report. Completed site-specific post construction monitoring of the Green Ambassador Urban Agriculture project and compiled data for submittal in Attachment 1 of this Progress Report. Continued construction of the E. 140th Street Consolidation Sewer project. The estimated post-gray CSO reduction for this project is 5.8 MG. Continued construction of the Union/Buckeye GI Project. The estimated post-gray CSO reduction for this project is 1.0 MG. Continued construction of the Woodland Central GI project. The estimated post-gray CSO reduction for this project is 4.2 MG.

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 1	Easterly WWTP - Increase Secondary Treatment Capacity	Bid Year 2014 Achievement of Full Operation 2016	December 31, 2014 December 31, 2016	Commenced post-construction monitoring activities.
Appendix 1 Control Measure 2	Treatment and Disinfection of CSO 001 Using CEHRT	Work Plan Submittal Pilot Testing Report within 42 months of Work Plan Approval Design Commencement within 6 months of Pilot Testing Report Approval Construction Award within 24 months of Pilot Testing Report Approval Construction Completion Within 54 months of Pilot Testing Report Approval	January 1, 2011 March 20, 2015 Pending Pilot Testing Report Approval	This Control Measure is subject to Modification Request 2 submitted June 21, 2018.

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 3	Treatment and Disinfection of CSO 002 using CEHRT in all 6 Quadrants (quads)	Work Plan Submittal Demonstration Testing Report within 54 months of Work Plan Approval Design Commencement of 2 additional quads within 6 months of Demonstration Testing Report Approval Construction Award within 24 months of Demonstration Testing Report Approval Construction Completion within 54 months of Demonstration Testing Report Approval	January 1, 2011 March 20, 2016 Pending Demonstration Testing Report Approval	Ongoing engagement with EPA during scheduled monthly conference calls to address issues identified in EPA's disapproval of the Pilot Testing Report.

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	Work Plan Submittal Pilot Testing Report within 42 months of Work Plan Approval	January 1, 2011 March 20, 2015	Ongoing engagement with EPA during scheduled conference calls to address issues 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 Pilot Testing Report Approval Construction award for plant improvements and PEB CEHRT system within 30 months of Pilot Testing Report Approval Construction Completion of plant improvements and PEB CEHRT system within 60 months of Pilot Testing Report Approval	Within 6 months from date of approval of pilot report Within 30 months from date of approval of pilot report Within 60 months from date of approval of pilot report	This Control Measure is subject to Modification Request 2 submitted June 21, 2018. Construction of CEHRT is complete; continued shakedown.

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 and start up. Dugway Storage Tunnel (DST): Continued construction. East 140th Street Consolidation and Relief Sewer: Continued construction. Dugway South Relief and Consolidation Sewer: Continued construction. London Road Relief Sewer: Completed design and bidding process. Dugway Regulators and Relief Sewer: Completed design and advertised for bids.
Appendix 1 Control Measure 7	Shoreline Tunnel System	Bid Year 2021 Achievement of Full Operation 2027	December 31, 2021 December 31, 2027	Shoreline Storage Tunnel (SST): Issued design Request for Proposals.

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 8	Doan Valley Tunnel System	Bid Year 2017 Achievement of Full Operation 2021	December 31, 2017 December 31, 2021	Doan Valley Tunnel: Continued construction. Following a wet weather event on April 14 and 15, 2018 in the vicinity of the Doan Valley Tunnel System mining site (Ambler Park), flooding inundated the Woodhill Conveyance Tunnel (WCT) mining shaft and damaged the tunnel boring machine for WCT and the MLK Conveyance Tunnel. The contractor is currently determining the impact to the overall project schedule. Doan Valley Relief and Consolidation Sewer: Completed Design and Bidding process. Doan Valley Regulators/Relief Sewers: Continued Design.
Appendix 1 Control Measure Consolidated 9-10-11	Superior Avenue Pump Station (SAPS) Upgrade/ Stones Levee Pump Station (SLPS) Upgrade/ SAPS-SLPS-Canal Road Area Regulator Modification	Bid Year 2017 Achievement of Full Operation 2018	December 31, 2017 December 31, 2018	Modification Request 1 to consolidate CMs 9, 10 and 11 was approved and entered by the court on May 23, 2018. Superior-Stones-Canal CSO Improvements: Continued construction on remaining portions.

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 14	Westerly Tunnel System	Bid Year 2020 Achievement of Full Operation 2024	December 31, 2020 December 31, 2024	Westerly Tunnel Dewatering Pump Station: Completed design. Project on hold until completion of Shaft WST-1 under Westerly Storage Tunnel in 2019. Construction Notice to Proceed anticipated in 2019. Westerly Storage Tunnel: Issued construction Notice to Proceed May 7, 2018. Westerly Low Level Relief Sewer: Continued construction. W. 3rd Quigley/Westerly Miscellaneous CSO Control: Continued Design.
Appendix 1 Control Measure 15	Columbus Road Storage Tank	Bid Year 2018 Achievement of Full Operation 2019	December 31, 2018 December 31, 2019	Control Measure 15 is being addressed under the Westerly Low Level Relief Sewer project, which is in construction. This project includes a regulator modification to capture Typical Year flows in the Westerly Low Level Interceptor/Relief Sewer to control CSO-078 to 0 overflows in a Typical Year.
Appendix 1 Control Measure 16	Center Street Storage Tank	Bid Year 2023 Achievement of Full Operation 2024	December 31, 2023 December 31, 2024	Control Measure 16 is being addressed under the Westerly Low Level Relief Sewer project, which is in construction. This project includes a regulator modification to capture Typical Year flows in the Westerly Low Level Interceptor/Relief Sewer to control CSO-076 to 0 overflows in a Typical Year.

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 17	West Third Street Storage Tank	Bid Year 2024 Achievement of Full Operation 2025	December 31, 2024 December 31, 2025	Control Measure 17 will be addressed under the Morgana & Burke System Improvements project (formerly Morgana Run Relief Sewer), which is in 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	Commenced post-construction monitoring activities.
Appendix 1 Control Measure 19	Jefferson Avenue Separation	Bid Year 2027 Achievement of Full Operation 2028	December 31, 2027 December 31, 2028	Construction of Control Measure 19 partially completed under the Mary Street Pump Station Upgrade project (Control Measure 18). Remaining sewer separation not addressed by Mary Street Pump Station Upgrade project will be addressed under the Morgana & Burke System Improvements project, which is in design.
Appendix 1 Control Measure 20	West 3rd/Quigley Parallel Storage System	Bid Year 2021 Achievement of Full Operation 2021	December 31, 2021 December 31, 2021	West 3rd Quigley / Westerly Miscellaneous CSO Control: Continued design.
Appendix 1 Control Measure 21	Southerly Tunnel System	Bid year 2024 Achievement of Full Operation 2030	December 31, 2024 December 31, 2030	Morgana & Burke System Improvements (formerly Morgana Run Relief Sewer): Continued design. Burke Open Channel Improvements: 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 23	CSO 045 Storage Tank	Bid Year 2021 Achievement of Full Operation 2023	December 31, 2021 December 31, 2023	Pearl & Jennings Road Storage Tanks and Pump Station Upgrades: Initiated design consultant procurement.

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	Complete construction of the E. 140th GI Project and initiate post construction monitoring. Complete construction of the Union/Buckeye GI project and initiate post construction monitoring. Continue 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	Continue post construction compliance activities.

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	Work Plan Submittal Pilot Testing Report within 42 months of Work Plan Approval Design Commencement within 6 months of Pilot Testing Report Approval Construction Award within 24 months of Pilot Testing Report Approval Construction Completion Within 54 months of Pilot Testing Report Approval	January 1, 2011 March 20, 2015 Pending Pilot Testing Report Approval	Engage with EPA on Modification Request 2.

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 3	Treatment and Disinfection of CSO 002 using CEHRT in all 6 Quadrants (quads)	Work Plan Submittal Demonstration Testing Report within 54 months of Work Plan Approval Design Commencement of 2 additional quads within 6 months of Demonstration Testing Report Approval Construction Award within 24 months of Demonstration Testing Report Approval Construction Completion within 54 months of Demonstration Testing Report Approval	January 1, 2011 March 20, 2016 Pending Demonstration Testing Report Approval	Continue engagement with EPA regarding Pilot Testing Report. Receive EPA response on revised Pilot Testing Report submitted August 30, 2017. Engage with EPA and Ohio EPA on resolving design and implementation issues.
Appendix 1 Control Measure 4	Treatment of Primary Effluent Bypass Demonstration/Pilot Project	Work Plan Submittal Pilot Testing Report within 42 months of Work Plan Approval	January 1, 2011 March 20, 2015	Continue engagement with EPA regarding Pilot Testing Report. Receive EPA response on revised Pilot Testing Report submitted February 17, 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 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 Pilot Testing Report Approval Construction award for plant improvements and PEB CEHRT system within 30 months of Pilot Testing Report Approval Construction Completion of plant improvements and PEB CEHRT system within 60 months of Pilot Testing Report Approval	Within 6 months from date of approval of pilot report Within 30 months from date of approval of pilot report Within 60 months from date of approval of pilot report	Engage with EPA on Modification Request 2

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 startup, shakedown, and training. Dugway Storage Tunnel (DST): Continue construction. East 140th Consolidation and Relief Sewer: Continue construction. Dugway South Relief and Consolidation Sewer: Complete construction. London Road Relief Sewer: Issue Construction Notice to Proceed. Dugway Regulators and Relief Sewers: Issue Construction Notice to Proceed.
Appendix 1 Control Measure 7	Shoreline Tunnel System	Bid Year 2021 Achievement of Full Operation 2027	December 31, 2021 December 31, 2027	Shoreline Storage Tunnel (SST): Issue design Notice to Proceed.

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: Continue construction. Doan Valley Relief and Consolidation Sewer: Issue Construction Notice to Proceed. Doan Valley Regulators/Relief Sewers: Continue design.
Appendix 1 Control Measure Consolidated 9-10-11	Superior Avenue Pump Station (SAPS) Upgrade/ Stones Levee Pump Station (SLPS) Upgrade/ SAPS-SLPS-Canal Road Area Regulator Modification	Bid Year 2017 Achievement of Full Operation 2018	December 31, 2017 December 31, 2018	Superior-Stones-Canal CSO Improvements: Achievement of Full Operation. Commence post construction compliance activities.
Appendix 1 Control Measure 14	Westerly Tunnel System	Bid Year 2020 Achievement of Full Operation 2024	December 31, 2020 December 31, 2024	Westerly Tunnel Dewatering Pump Station: Design complete and project on hold until completion of Shaft WST-1 in 2019. Westerly Storage Tunnel: Continue construction. Westerly Low Level Relief Sewer: Complete Construction. West 3rd Quigley / Westerly Miscellaneous CSO Control: Continue design.
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: Complete 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 16	Center Street Storage Tank	Bid Year 2023 Achievement of Full Operation 2024	December 31, 2023 December 31, 2024	Westerly Low Level Relief Sewer: Complete construction.
Appendix 1 Control Measure 17	West Third Street Storage Tank	Bid Year 2024 Achievement of Full Operation 2025	December 31, 2024 December 31, 2025	Morgana & Burke System Improvements: Continue 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 with post construction compliance activities.
Appendix 1 Control Measure 19	Jefferson Avenue Separation	Bid Year 2027 Achievement of Full Operation 2028	December 31, 2027 December 31, 2028	Continue design of Morgana & Burke System Improvements Project.
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	West 3rd Quigley / Westerly Miscellaneous CSO Control: Continue design.
Appendix 1 Control Measure 21	Southerly Tunnel System	Bid Year 2024 Achievement of Full Operation 2030	December 31, 2024 December 31, 2030	Morgana Burke System Improvements (formerly Morgana Run Relief Sewers): Continue design. Burke Open Channel Improvements: 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 23	CSO-045 Storage Tank	Bid Year 2021 Achievement of Full Operation 2023	December 31, 2021 December 31, 2023	Pearl & Jennings Road Storage Tanks and Pump Station Upgrades: Issue design Notice to Proceed.

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. 12	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	January 31, 2018	January 30, 2018

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.

Kyle Dreyfuss-Wells, Chief Executive Officer

7/27/18
Date

Appendix:

Current CSO and Bypass Reports Submitted to OEPA

(IX. Paragraph 46.d.)

"NEORSD shall also submit, with each Semi-Annual Status report, copies (to EPA only) of all monthly monitoring reports, noncompliance reports, and other reports pertaining to CSO discharges and bypasses that NEORSD submitted to or is required to submit to Ohio EPA in the preceding six months."

CSO Permit eDMR Reports

First Half of 2018

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
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2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12	1	0.0007					
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23	1	0.0013					
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum	1.0	7.0E-4					
Maximum	1.0	0.0013					
Average	1	0.001					
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
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2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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						
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12	1	0.0001					
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum	1.0	1.0E-4					
Maximum	1.0	1.0E-4					
Average	1	0.0001					
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12	1	0.0292					
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum	1.0	0.0292					
Maximum	1.0	0.0292					
Average	1	0.0292					
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12	1	5.4601					
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23	1	0.5354					
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum	1.0	0.5354					
Maximum	1.0	5.4601					
Average	1	2.99775					
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11						1	0.0933
2018-01-12						1	7.9222
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22						1	0.5068
2018-01-23						1	2.0025
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27						1	0.4431
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum						1.0	0.0933
Maximum						1.0	7.9222
Average						1	2.19358
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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						
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12	1	0.4386					
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23	1	0.0843					
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum	1.0	0.0843					
Maximum	1.0	0.4386					
Average	1	0.26145					
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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						
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11						1	0.0064
2018-01-12							0.1789
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22						1	0.0164
2018-01-23						1	0.0414
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27						1	0.0077
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum						1.0	0.0064
Maximum						1.0	0.1789
Average						1	0.05016
Count						4	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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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						
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12						1	7.9999
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23						1	0.7627
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum						1.0	0.7627
Maximum						1.0	7.9999
Average						1	4.3813
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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						
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10	1	0.4060					
2018-01-11	1	0.2660					
2018-01-12		1.0080					
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21	1	0.0420					
2018-01-22		0.7140					
2018-01-23	1	0.4340					
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27	1	0.2520					
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum	1.0	0.042					
Maximum	1.0	1.008					
Average	1	0.446					
Count	5	7					

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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12						1	0.5576
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22						1	0.0079
2018-01-23						1	0.0930
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum						1.0	0.0079
Maximum						1.0	0.5576
Average						1	0.2195
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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						
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01	AH	AH					
2018-01-02	AH	AH					
2018-01-03	AH	AH					
2018-01-04	AH	AH					
2018-01-05	AH	AH					
2018-01-06	AH	AH					
2018-01-07	AH	AH					
2018-01-08	AH	AH					
2018-01-09	AH	AH					
2018-01-10	AH	AH					
2018-01-11	AH	AH					
2018-01-12	AH	AH					
2018-01-13	AH	AH					
2018-01-14	AH	AH					
2018-01-15	AH	AH					
2018-01-16	AH	AH					
2018-01-17	AH	AH					
2018-01-18	AH	AH					
2018-01-19	AH	AH					
2018-01-20	AH	AH					
2018-01-21	AH	AH					
2018-01-22	AH	AH					
2018-01-23	AH	AH					
2018-01-24	AH	AH					
2018-01-25	AH	AH					
2018-01-26	AH	AH					
2018-01-27	AH	AH					
2018-01-28	AH	AH					
2018-01-29	AH	AH					
2018-01-30	AH	AH					
2018-01-31	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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08						1	0.0361
2018-01-09							
2018-01-10						1	0.7957
2018-01-11							1.5757
2018-01-12							6.5940
2018-01-13							0.3781
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21						1	0.0019
2018-01-22							1.6589
2018-01-23						1	1.0123
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27						1	0.2357
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum						1.0	0.0019
Maximum						1.0	6.594
Average						1	1.36538
Count						5	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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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						
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734562	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	2018-01-01 To: 2018-01-31
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					
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-12 18:02

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 : 2018-01-01 To: 2018-01-31

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	2018-01-01	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	2018-01-02	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	2018-01-03	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	2018-01-04	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	2018-01-05	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	2018-01-06	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	2018-01-07	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	2018-01-08	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	2018-01-09	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	2018-01-10	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	2018-01-11	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	2018-01-12	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		51709		No./Year	

	Overflow Occurrence per Year		2018-01-13		CSO 232 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	2018-01-14	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	2018-01-15	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	2018-01-16	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	2018-01-17	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	2018-01-18	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	2018-01-19	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	2018-01-20	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	2018-01-21	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	2018-01-22	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	2018-01-23	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	2018-01-24	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	2018-01-25	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	2018-01-26	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	2018-01-27	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	2018-01-28	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	2018-01-29	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	2018-01-30	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	2018-01-31	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	2018-01-01	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	2018-01-02	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	2018-01-03	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	2018-01-04	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	2018-01-05	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	2018-01-06	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	2018-01-07	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	2018-01-08	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	2018-01-09	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	2018-01-10	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	2018-01-11	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	2018-01-12	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	2018-01-13	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	2018-01-14	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	2018-01-15	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	2018-01-16	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	2018-01-17	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	2018-01-18	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	2018-01-19	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	2018-01-20	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	2018-01-21	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	2018-01-22	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	2018-01-23	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	2018-01-24	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	2018-01-25	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	2018-01-26	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	2018-01-27	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	2018-01-28	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	2018-01-29	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	2018-01-30	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	2018-01-31	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:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave	**STATION CODE:**	025
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25	1	0.0013					
2018-02-26							
2018-02-27							
2018-02-28							
Minimum	1.0	0.0013					
Maximum	1.0	0.0013					
Average	1	0.0013					
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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						
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15	1	3.9942					
2018-02-16		6.9100					
2018-02-17							
2018-02-18							
2018-02-19	1	10.9652					
2018-02-20							
2018-02-21	1	4.4952					
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25	1	3.7193					
2018-02-26							
2018-02-27							
2018-02-28							
Minimum	1.0	3.7193					
Maximum	1.0	10.9652					
Average	1	6.01678					
Count	4	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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11						1	0.3668
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15						1	1.8728
2018-02-16							1.6148
2018-02-17							
2018-02-18							
2018-02-19	82	2.05	6.05	0.8	0.922	1	4.8347
2018-02-20							
2018-02-21	118	2.08	5.85	0.49	0.922	1	1.9980
2018-02-22						1	0.3215
2018-02-23							
2018-02-24						1	0.0127
2018-02-25						1	2.0990
2018-02-26							
2018-02-27							
2018-02-28							
Minimum	82.0	2.05	5.85	0.49	0.922	1.0	0.0127
Maximum	118.0	2.08	6.05	0.8	0.922	1.0	4.8347
Average	100	2.065	5.95	0.645	0.922	1	1.64004
Count	2	2	2	2	2	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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19	74.8						
2018-02-20							
2018-02-21	AE						
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
Minimum	74.8						
Maximum	74.8						
Average	74.8						
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15	1	0.0505					
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19	1	0.2525					
2018-02-20							
2018-02-21	1	0.0606					
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25	1	0.0505					
2018-02-26							
2018-02-27							
2018-02-28							
Minimum	1.0	0.0505					
Maximum	1.0	0.2525					
Average	1	0.10353					
Count	4	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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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						
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11						1	0.0226
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15						1	0.0207
2018-02-16							0.0253
2018-02-17							
2018-02-18							
2018-02-19						1	0.0981
2018-02-20							
2018-02-21						1	0.0468
2018-02-22							
2018-02-23							
2018-02-24						1	0.0088
2018-02-25							0.0232
2018-02-26							
2018-02-27							
2018-02-28							
Minimum						1.0	0.0088
Maximum						1.0	0.0981
Average						1	0.03507
Count						5	7

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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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						
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21	112	0.92	3.03	0.49	0.922	1	0.5552
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
Minimum	112.0	0.92	3.03	0.49	0.922	1.0	0.5552
Maximum	112.0	0.92	3.03	0.49	0.922	1.0	0.5552
Average	112	0.92	3.03	0.49	0.922	1	0.5552
Count	1	1	1	1	1	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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21	AE						
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11	1	0.1168					
2018-02-12							
2018-02-13							
2018-02-14	1	0.0569					
2018-02-15	1	0.3396					
2018-02-16		0.4301					
2018-02-17							
2018-02-18							
2018-02-19	1	1.6494					
2018-02-20							
2018-02-21	1	0.8548					
2018-02-22	1	0.0007					
2018-02-23							
2018-02-24							
2018-02-25	1	0.4843					
2018-02-26							
2018-02-27							
2018-02-28							
Minimum	1.0	7.0E-4					
Maximum	1.0	1.6494					
Average	1	0.49157					
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16						1	0.0953
2018-02-17							
2018-02-18							
2018-02-19						1	0.1860
2018-02-20							
2018-02-21						1	0.1320
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25						1	0.1120
2018-02-26							
2018-02-27							
2018-02-28							
Minimum						1.0	0.0953
Maximum						1.0	0.186
Average						1	0.13133
Count						4	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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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						
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01	AH	AH					
2018-02-02	AH	AH					
2018-02-03	AH	AH					
2018-02-04	AH	AH					
2018-02-05	AH	AH					
2018-02-06	AH	AH					
2018-02-07	AH	AH					
2018-02-08	AH	AH					
2018-02-09	AH	AH					
2018-02-10	AH	AH					
2018-02-11	AH	AH					
2018-02-12	AH	AH					
2018-02-13	AH	AH					
2018-02-14	AH	AH					
2018-02-15	AH	AH					
2018-02-16	AH	AH					
2018-02-17	AH	AH					
2018-02-18	AH	AH					
2018-02-19	AH	AH					
2018-02-20	AH	AH					
2018-02-21	AH	AH					
2018-02-22	AH	AH					
2018-02-23	AH	AH					
2018-02-24	AH	AH					
2018-02-25	AH	AH					
2018-02-26	AH	AH					
2018-02-27	AH	AH					
2018-02-28	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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11						1	1.0293
2018-02-12							0.7533
2018-02-13							
2018-02-14						1	0.2721
2018-02-15						1	0.3684
2018-02-16							1.3197
2018-02-17							
2018-02-18							
2018-02-19						1	3.0798
2018-02-20							0.0086
2018-02-21	65	1.57	5.04	1.29	0.737	1	1.0233
2018-02-22						1	0.3907
2018-02-23							
2018-02-24							
2018-02-25						1	0.3849
2018-02-26							
2018-02-27							
2018-02-28							
Minimum	65.0	1.57	5.04	1.29	0.737	1.0	0.0086
Maximum	65.0	1.57	5.04	1.29	0.737	1.0	3.0798
Average	65	1.57	5.04	1.29	0.737	1	0.86301
Count	1	1	1	1	1	7	10

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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21	AE						
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743580	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
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					
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-19 13:03

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 : 2018-02-01 To: 2018-02-28

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
080	CBOD 5 day	80082	2018-02-21	mg/l	Blanks did not meet QC Criteria
206	CBOD 5 day	80082	2018-02-21	mg/l	Blanks did not meet QC Criteria
232	Overflow Occurrence per Year	51709	2018-02-01	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	2018-02-02	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	2018-02-03	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	2018-02-04	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	2018-02-05	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	2018-02-06	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	2018-02-07	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	2018-02-08	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	2018-02-09	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	2018-02-10	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	2018-02-11	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	2018-02-12	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	2018-02-13	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	2018-02-14	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	2018-02-15	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	2018-02-16	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	2018-02-17	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	2018-02-18	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	2018-02-19	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	2018-02-20	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	2018-02-21	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	2018-02-22	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	2018-02-23	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	2018-02-24	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	2018-02-25	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	2018-02-26	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	2018-02-27	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	2018-02-28	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 Volume	74063	2018-02-01	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	2018-02-02	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	2018-02-03	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	2018-02-04	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	2018-02-05	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	2018-02-06	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	2018-02-07	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	2018-02-08	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	2018-02-09	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	2018-02-10	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	2018-02-11	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	2018-02-12	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	2018-02-13	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	2018-02-14	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	2018-02-15	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	2018-02-16	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	2018-02-17	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	2018-02-18	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	2018-02-19	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	2018-02-20	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	2018-02-21	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	2018-02-22	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	2018-02-23	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	2018-02-24	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	2018-02-25	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	2018-02-26	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	2018-02-27	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	2018-02-28	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.
239	CBOD 5 day	80082	2018-02-21	mg/l	Blanks did not meet QC Criteria

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01	1	0.0773					
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29	1	0.0378					
2018-03-30							
2018-03-31							
Minimum	1.0	0.0378					
Maximum	1.0	0.0773					
Average	1	0.05755					
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26						AD	AD
2018-03-27						AD	AD
2018-03-28						AD	AD
2018-03-29						AD	AD
2018-03-30						AD	AD
2018-03-31						AD	AD
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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						
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01	1	0.0001					
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29	1	0.0040					
2018-03-30							
2018-03-31							
Minimum	1.0	1.0E-4					
Maximum	1.0	0.004					
Average	1	0.00205					
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01	1	3.1569					
2018-03-02		1.9513					
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29	1	0.0827					
2018-03-30							
2018-03-31							
Minimum	1.0	0.0827					
Maximum	1.0	3.1569					
Average	1	1.7303					
Count	2	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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01	1	36.3290					
2018-03-02	1	5.2614					
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27	1	2.5737					
2018-03-28		1.0585					
2018-03-29	1	24.9120					
2018-03-30		5.1425					
2018-03-31							
Minimum	1.0	1.0585					
Maximum	1.0	36.329					
Average	1	12.54618					
Count	4	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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01	1	0.0217					
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
Minimum	1.0	0.0217					
Maximum	1.0	0.0217					
Average	1	0.0217					
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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
2018-03-01						1	22.2700
2018-03-02							1.3463
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27						1	5.0244
2018-03-28							0.1711
2018-03-29						1	11.6060
2018-03-30							0.1322
2018-03-31							
Minimum						1.0	0.1322
Maximum						1.0	22.27
Average						1	6.75833
Count						3	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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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						
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01	1	0.9921					
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27	1	0.0143					
2018-03-28							
2018-03-29	1	0.3660					
2018-03-30							
2018-03-31							
Minimum	1.0	0.0143					
Maximum	1.0	0.9921					
Average	1	0.45747					
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave	**STATION CODE:**	200
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-03-01 To: 2018-03-31
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						
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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
2018-03-01						1	0.3611
2018-03-02							0.0139
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27						1	0.1035
2018-03-28							
2018-03-29						1	0.1417
2018-03-30							
2018-03-31							
Minimum						1.0	0.0139
Maximum						1.0	0.3611
Average						1	0.15505
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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						
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-03-01	160	0.637	3.022	0.529	0.612	1	11.2652
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27						1	5.8045
2018-03-28							0.8271
2018-03-29						1	12.1674
2018-03-30							2.7822
2018-03-31							
Minimum	160.0	0.637	3.022	0.529	0.612	1.0	0.8271
Maximum	160.0	0.637	3.022	0.529	0.612	1.0	12.1674
Average	160	0.637	3.022	0.529	0.612	1	6.56928
Count	1	1	1	1	1	3	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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2018-03-01	24.5						
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
Minimum	24.5						
Maximum	24.5						
Average	24.5						
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01	1	2.9505					
2018-03-02		3.4798					
2018-03-03		0.0034					
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27	1	1.1189					
2018-03-28		0.3307					
2018-03-29	1	1.4578					
2018-03-30		1.6728					
2018-03-31							
Minimum	1.0	0.0034					
Maximum	1.0	3.4798					
Average	1	1.57341					
Count	3	7					

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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-03-01	116	0.573	2.576	0.43	0.522	1	1.35
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27						1	0.23
2018-03-28							
2018-03-29						1	0.72
2018-03-30							
2018-03-31							
Minimum	116.0	0.573	2.576	0.43	0.522	1.0	0.23
Maximum	116.0	0.573	2.576	0.43	0.522	1.0	1.35
Average	116	0.573	2.576	0.43	0.522	1	0.76667
Count	1	1	1	1	1	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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2018-03-01	15.9						
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
Minimum	15.9						
Maximum	15.9						
Average	15.9						
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01	AH	AH					
2018-03-02	AH	AH					
2018-03-03	AH	AH					
2018-03-04	AH	AH					
2018-03-05	AH	AH					
2018-03-06	AH	AH					
2018-03-07	AH	AH					
2018-03-08	AH	AH					
2018-03-09	AH	AH					
2018-03-10	AH	AH					
2018-03-11	AH	AH					
2018-03-12	AH	AH					
2018-03-13	AH	AH					
2018-03-14	AH	AH					
2018-03-15	AH	AH					
2018-03-16	AH	AH					
2018-03-17	AH	AH					
2018-03-18	AH	AH					
2018-03-19	AH	AH					
2018-03-20	AH	AH					
2018-03-21	AH	AH					
2018-03-22	AH	AH					
2018-03-23	AH	AH					
2018-03-24	AH	AH					
2018-03-25	AH	AH					
2018-03-26	AH	AH					
2018-03-27	AH	AH					
2018-03-28	AH	AH					
2018-03-29	AH	AH					
2018-03-30	AH	AH					
2018-03-31	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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-03-01	141	2.813	7.819	0.826	1.346	1	12.3444
2018-03-02							3.7165
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27						1	3.0566
2018-03-28							1.7974
2018-03-29						1	6.6495
2018-03-30							2.3039
2018-03-31							
Minimum	141.0	2.813	7.819	0.826	1.346	1.0	1.7974
Maximum	141.0	2.813	7.819	0.826	1.346	1.0	12.3444
Average	141	2.813	7.819	0.826	1.346	1	4.97805
Count	1	1	1	1	1	3	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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		NO DISCHARGE INDICATOR:	

PARAMETER	CBOD 5 day						
PARAMETER CODE	80082						
UNITS	mg/l						
FREQUENCY	When Disch.						
SAMPLING TYPE	Grab						
2018-03-01	AE						
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-17 17:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750600	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
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					
2018-03-01	1	3.5518					
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
Minimum	1.0	3.5518					
Maximum	1.0	3.5518					
Average	1	3.5518					
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.		2018-04-17 17:04

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 : 2018-03-01 To: 2018-03-31

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
040	Overflow Occurrence	74062	2018-03-26	No./Month	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-03-27	No./Month	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-03-28	No./Month	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-03-29	No./Month	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-03-30	No./Month	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-03-31	No./Month	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-03-26	Million Gallons	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-03-27	Million Gallons	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected

					to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-03-28	Million Gallons	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-03-29	Million Gallons	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-03-30	Million Gallons	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-03-31	Million Gallons	During March 2018, the monitor at CSO 040 did not record any activations March 1 - March 25, 2018. The meter was removed on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in April 2018. A new equation will be developed to report CSO at this location.
232	Overflow Occurrence per Year	51709	2018-03-01	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	2018-03-02	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	2018-03-03	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	2018-03-04	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	2018-03-05	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	2018-03-06	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	2018-03-07	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	2018-03-08	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	2018-03-09	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	2018-03-10	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		51709	2018-03-11	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.

	Overflow Occurrence per Year				
232	Overflow Occurrence per Year	51709	2018-03-12	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	2018-03-13	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	2018-03-14	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	2018-03-15	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	2018-03-16	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	2018-03-17	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	2018-03-18	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	2018-03-19	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	2018-03-20	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	2018-03-21	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	2018-03-22	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	2018-03-23	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	2018-03-24	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	2018-03-25	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	2018-03-26	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	2018-03-27	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	2018-03-28	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	2018-03-29	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	2018-03-30	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	2018-03-31	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	2018-03-01	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	2018-03-02	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	2018-03-03	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	2018-03-04	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	2018-03-05	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	2018-03-06	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	2018-03-07	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	2018-03-08	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	2018-03-09	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	2018-03-10	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	2018-03-11	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	2018-03-12	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	2018-03-13	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	2018-03-14	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	2018-03-15	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	2018-03-16	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	2018-03-17	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	2018-03-18	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	2018-03-19	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	2018-03-20	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	2018-03-21	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	2018-03-22	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	2018-03-23	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		74063			

	Overflow Volume		2018-03-24	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	2018-03-25	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	2018-03-26	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	2018-03-27	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	2018-03-28	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	2018-03-29	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	2018-03-30	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	2018-03-31	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.
239	CBOD 5 day	80082	2018-03-01	mg/l	Blanks did not meet QC Criteria

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03							
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	1	0.0030					
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	0.003					
Maximum	1.0	0.003					
Average	1	0.003					
Count	1	1					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	1	0.0507					
2018-04-04		0.0038					
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	1	0.6690					
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	0.0038					
Maximum	1.0	0.669					
Average	1	0.24117					
Count	2	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
Kevin Zebrowski			2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03							
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15							
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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
2018-04-01							AD
2018-04-02							AD
2018-04-03							AD
2018-04-04							AD
2018-04-05							AD
2018-04-06							AD
2018-04-07							AD
2018-04-08							AD
2018-04-09							AD
2018-04-10							AD
2018-04-11							AD
2018-04-12							AD
2018-04-13							AD
2018-04-14							AD
2018-04-15							AD
2018-04-16							AD
2018-04-17							AD
2018-04-18							AD
2018-04-19							AD
2018-04-20							AD
2018-04-21							AD
2018-04-22							AD
2018-04-23							AD
2018-04-24							AD
2018-04-25							AD
2018-04-26							AD
2018-04-27							AD
2018-04-28							AD
2018-04-29							AD
2018-04-30							AD
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01	AD						
2018-04-02	AD						
2018-04-03	AD						
2018-04-04	AD						
2018-04-05	AD						
2018-04-06	AD						
2018-04-07	AD						
2018-04-08	AD						
2018-04-09	AD						
2018-04-10	AD						
2018-04-11	AD						
2018-04-12	AD						
2018-04-13	AD						
2018-04-14	AD						
2018-04-15	AD						
2018-04-16	AD						
2018-04-17	AD						
2018-04-18	AD						
2018-04-19	AD						
2018-04-20	AD						
2018-04-21	AD						
2018-04-22	AD						
2018-04-23	AD						
2018-04-24	AD						
2018-04-25	AD						
2018-04-26	AD						
2018-04-27	AD						
2018-04-28	AD						
2018-04-29	AD						
2018-04-30	AD						
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	1	0.0008					
2018-04-04		0.0043					
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	1	0.4665					
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	8.0E-4					
Maximum	1.0	0.4665					
Average	1	0.1572					
Count	2	3					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	1	0.0026					
2018-04-04		1.1661					
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	AF	AF					
2018-04-16	AF	AF					
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	0.0026					
Maximum	1.0	1.1661					
Average	1	0.58435					
Count	1	2					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	1	1.0048					
2018-04-04		0.4998					
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	1	6.3439					
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	0.4998					
Maximum	1.0	6.3439					
Average	1	2.61617					
Count	2	3					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	1	18.7689					
2018-04-04		13.7078					
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	1	69.3039					
2018-04-16		11.8910					
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	11.891					
Maximum	1.0	69.3039					
Average	1	28.4179					
Count	2	4					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	1	0.0084					
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	1	3.1106					
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	0.0084					
Maximum	1.0	3.1106					
Average	1	1.5595					
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
Kevin Zebrowski			2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03							
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15							
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03							
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	1	0.1008					
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	0.1008					
Maximum	1.0	0.1008					
Average	1	0.1008					
Count	1	1					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-04-01							
2018-04-02							
2018-04-03						346580	1
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							1
2018-04-15							
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							1
2018-04-29							
2018-04-30							
Minimum						346580.0	1.0
Maximum						346580.0	1.0
Average						346580	1
Count						1	3

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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					
2018-04-01							
2018-04-02							
2018-04-03	7.7909	AE					
2018-04-04	4.6587						
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14	1.0478						
2018-04-15	40.3026						
2018-04-16	5.3801						
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28	0.1181						
2018-04-29							
2018-04-30							
Minimum	0.1181						
Maximum	40.3026						
Average	9.88303						
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
Kevin Zebrowski			2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	1	0.8347					
2018-04-04		0.1418					
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	1	AD					
2018-04-16		0.0069					
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	0.0069					
Maximum	1.0	0.8347					
Average	1	0.3278					
Count	2	3					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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
2018-04-01							AD
2018-04-02							AD
2018-04-03							AD
2018-04-04							AD
2018-04-05							AD
2018-04-06							AD
2018-04-07							AD
2018-04-08							AD
2018-04-09							AD
2018-04-10							AD
2018-04-11							AD
2018-04-12							AD
2018-04-13							AD
2018-04-14							AD
2018-04-15							AD
2018-04-16							AD
2018-04-17							AD
2018-04-18							AD
2018-04-19							AD
2018-04-20							AD
2018-04-21							AD
2018-04-22							AD
2018-04-23							AD
2018-04-24							AD
2018-04-25							AD
2018-04-26							AD
2018-04-27							AD
2018-04-28							AD
2018-04-29							AD
2018-04-30							AD
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01	AD						
2018-04-02	AD						
2018-04-03	AD						
2018-04-04	AD						
2018-04-05	AD						
2018-04-06	AD						
2018-04-07	AD						
2018-04-08	AD						
2018-04-09	AD						
2018-04-10	AD						
2018-04-11	AD						
2018-04-12	AD						
2018-04-13	AD						
2018-04-14	AD						
2018-04-15	AD						
2018-04-16	AD						
2018-04-17	AD						
2018-04-18	AD						
2018-04-19	AD						
2018-04-20	AD						
2018-04-21	AD						
2018-04-22	AD						
2018-04-23	AD						
2018-04-24	AD						
2018-04-25	AD						
2018-04-26	AD						
2018-04-27	AD						
2018-04-28	AD						
2018-04-29	AD						
2018-04-30	AD						
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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
2018-04-01							
2018-04-02							
2018-04-03							1
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							1
2018-04-15							
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
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
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	2.4775						
2018-04-04	0.3107						
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14	0.0053						
2018-04-15	12.2799						
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	0.0053						
Maximum	12.2799						
Average	3.76835						
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
Kevin Zebrowski			2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-04-01							
2018-04-02							
2018-04-03						4860	1
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15							1
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							1
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum						4860.0	1.0
Maximum						4860.0	1.0
Average						4860	1
Count						1	3

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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					
2018-04-01							
2018-04-02							
2018-04-03	1.4261	AE					
2018-04-04	5.8136						
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	26.6756						
2018-04-16	8.5752						
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24	0.3833						
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	0.3833						
Maximum	26.6756						
Average	8.57476						
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
Kevin Zebrowski			2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01	1	0.0039					
2018-04-02							
2018-04-03	1	1.3166					
2018-04-04		0.9896					
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14	1	0.2264					
2018-04-15		5.7756					
2018-04-16		10.4565					
2018-04-17		0.0064					
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24	1	0.1911					
2018-04-25	1	0.0041					
2018-04-26							
2018-04-27							
2018-04-28	1	0.1553					
2018-04-29							
2018-04-30							
Minimum	1.0	0.0039					
Maximum	1.0	10.4565					
Average	1	1.91255					
Count	6	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
Kevin Zebrowski			2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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
2018-04-01							
2018-04-02							
2018-04-03							1
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15							1
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
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
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	0.2960						
2018-04-04	0.2481						
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	3.7610						
2018-04-16	0.4774						
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	0.2481						
Maximum	3.761						
Average	1.19563						
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
Kevin Zebrowski			2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01	AH	AH					
2018-04-02	AH	AH					
2018-04-03	AH	AH					
2018-04-04	AH	AH					
2018-04-05	AH	AH					
2018-04-06	AH	AH					
2018-04-07	AH	AH					
2018-04-08	AH	AH					
2018-04-09	AH	AH					
2018-04-10	AH	AH					
2018-04-11	AH	AH					
2018-04-12	AH	AH					
2018-04-13	AH	AH					
2018-04-14	AH	AH					
2018-04-15	AH	AH					
2018-04-16	AH	AH					
2018-04-17	AH	AH					
2018-04-18	AH	AH					
2018-04-19	AH	AH					
2018-04-20	AH	AH					
2018-04-21	AH	AH					
2018-04-22	AH	AH					
2018-04-23	AH	AH					
2018-04-24	AH	AH					
2018-04-25	AH	AH					
2018-04-26	AH	AH					
2018-04-27	AH	AH					
2018-04-28	AH	AH					
2018-04-29	AH	AH					
2018-04-30	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-04-01							
2018-04-02							
2018-04-03						483920	1
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							1
2018-04-13							
2018-04-14							1
2018-04-15							
2018-04-16							
2018-04-17							1
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							1
2018-04-25						AK	
2018-04-26							
2018-04-27							
2018-04-28							1
2018-04-29							
2018-04-30							
Minimum						483920.0	1.0
Maximum						483920.0	1.0
Average						483920	1
Count						1	6

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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					
2018-04-01							
2018-04-02							
2018-04-03	0.5990	AE					
2018-04-04	4.0986						
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12	0.0021						
2018-04-13							
2018-04-14	0.3702						
2018-04-15	22.7729						
2018-04-16	11.9873						
2018-04-17	0.0457						
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24	0.4260						
2018-04-25	0.1727	AE					
2018-04-26							
2018-04-27							
2018-04-28	0.0604						
2018-04-29							
2018-04-30							
Minimum	0.0021						
Maximum	22.7729						
Average	4.05349						
Count	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
Kevin Zebrowski			2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03	1	0.0139					
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15	1	1.6871					
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	0.0139					
Maximum	1.0	1.6871					
Average	1	0.8505					
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
Kevin Zebrowski			2018-05-17 13:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758199	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
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					
2018-04-01							
2018-04-02							
2018-04-03							
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15							
2018-04-16	1	10.9884					
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum	1.0	10.9884					
Maximum	1.0	10.9884					
Average	1	10.9884					
Count	1	1					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-05-17 13:05

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 : 2018-04-01 To: 2018-04-30

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
040	Overflow Occurrence	74062	2018-04-01	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-02	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-03	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-04	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-05	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-06	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-07	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-08	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-09	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-10	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-11	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040		74062		No./Month	

	Overflow Occurrence		2018-04-12		The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-13	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-14	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-15	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-16	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-17	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-18	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-19	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-20	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-21	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-22	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-23	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-24	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-25	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-26	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which

					will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-27	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-28	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-29	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Occurrence	74062	2018-04-30	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-01	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-02	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-03	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-04	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-05	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-06	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-07	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-08	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-09	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-10	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.

040	Overflow Volume	74063	2018-04-11	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-12	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-13	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-14	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-15	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-16	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-17	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-18	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-19	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-20	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-21	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-22	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-23	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-24	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-25	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which

					will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-26	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-27	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-28	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-29	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
040	Overflow Volume	74063	2018-04-30	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project, which will improve the site. Monitoring is expected to resume in May 2018. A new equation will be developed to report CSO at this location.
045	Overflow Occurrence	74062	2018-04-15	No./Month	A major storm event caused Big Creek to back up into combined sewer outlet rendering the data unusable.
045	Overflow Occurrence	74062	2018-04-16	No./Month	A major storm event caused Big Creek to back up into combined sewer outlet rendering the data unusable.
045	Overflow Volume	74063	2018-04-15	Million Gallons	A major storm event caused Big Creek to back up into combined sewer outlet rendering the data unusable.
045	Overflow Volume	74063	2018-04-16	Million Gallons	A major storm event caused Big Creek to back up into combined sewer outlet rendering the data unusable.
080	CBOD 5 day	80082	2018-04-03	mg/l	Blanks did not meet QC Criteria
088	Overflow Volume	74063	2018-04-15	Million Gallons	During a major storm event the flow meter stopped recording a velocity reading so we are not able to calculate a total estimated overflow volume.
200	Overflow Occurrence	74062	2018-04-01	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-02	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-03	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-04	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-05	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-06	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-07	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-08	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-09	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-10	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.

200	Overflow Occurrence	74062	2018-04-11	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-12	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-13	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-14	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-15	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-16	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-17	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-18	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-19	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-20	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-21	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-22	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-23	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-24	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-25	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-26	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-27	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-28	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-29	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Occurrence	74062	2018-04-30	No./Month	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-01	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-02	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-03	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-04	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-05	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-06	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200		74063			

	Overflow Volume		2018-04-07	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-08	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-09	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-10	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-11	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-12	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-13	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-14	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-15	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-16	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-17	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-18	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-19	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-20	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-21	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-22	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-23	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-24	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-25	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-26	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-27	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-28	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-29	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
200	Overflow Volume	74063	2018-04-30	Million Gallons	AD code used due to investigation of possible equipment problem. Flow meter sensor scheduled to be replaced May 2018.
206	CBOD 5 day	80082	2018-04-03	mg/l	Blanks did not meet QC Criteria
232	Overflow Occurrence per Year	51709	2018-04-01	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	2018-04-02	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	2018-04-03	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	2018-04-04	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	2018-04-05	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	2018-04-06	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	2018-04-07	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	2018-04-08	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	2018-04-09	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	2018-04-10	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	2018-04-11	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	2018-04-12	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	2018-04-13	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	2018-04-14	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	2018-04-15	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	2018-04-16	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	2018-04-17	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	2018-04-18	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	2018-04-19	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	2018-04-20	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	2018-04-21	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	2018-04-22	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	2018-04-23	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	2018-04-24	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	2018-04-25	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	2018-04-26	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	2018-04-27	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	2018-04-28	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	2018-04-29	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	2018-04-30	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	2018-04-01	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	2018-04-02	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	2018-04-03	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	2018-04-04	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	2018-04-05	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	2018-04-06	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	2018-04-07	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	2018-04-08	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	2018-04-09	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	2018-04-10	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	2018-04-11	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	2018-04-12	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	2018-04-13	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	2018-04-14	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	2018-04-15	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	2018-04-16	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	2018-04-17	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	2018-04-18	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	2018-04-19	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	2018-04-20	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	2018-04-21	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	2018-04-22	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	2018-04-23	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	2018-04-24	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	2018-04-25	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	2018-04-26	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	2018-04-27	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	2018-04-28	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	2018-04-29	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	2018-04-30	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.
239	CBOD 5 day	80082	2018-04-03	mg/l	Blanks did not meet QC Criteria
239	CBOD 5 day	80082	2018-04-25	mg/l	Too Numerous to Count (> 241960 - sample was noted be clear with light solids and no odor; 1x and 1000x dilutions were analyzed

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	025
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03							
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	035
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	1	0.0715					
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13	1	0.0802					
2018-05-14	1	0.0003					
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1	0.4323					
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31	1	0.2853					
Minimum	1.0	3.0E-4					
Maximum	1.0	0.4323					
Average	1	0.17392					
Count	5	5					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	038
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03							
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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
2018-05-01							AD
2018-05-02							AD
2018-05-03							AD
2018-05-04							AD
2018-05-05							AD
2018-05-06							AD
2018-05-07							AD
2018-05-08							AD
2018-05-09							AD
2018-05-10							AD
2018-05-11							AD
2018-05-12							AD
2018-05-13							AD
2018-05-14							AD
2018-05-15							AD
2018-05-16							AD
2018-05-17							AD
2018-05-18							AD
2018-05-19							AD
2018-05-20							AD
2018-05-21							AD
2018-05-22							AD
2018-05-23							AD
2018-05-24							AD
2018-05-25							AD
2018-05-26							AD
2018-05-27							AD
2018-05-28							AD
2018-05-29							AD
2018-05-30							AD
2018-05-31							AD
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	040
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01	AD						
2018-05-02	AD						
2018-05-03	AD						
2018-05-04	AD						
2018-05-05	AD						
2018-05-06	AD						
2018-05-07	AD						
2018-05-08	AD						
2018-05-09	AD						
2018-05-10	AD						
2018-05-11	AD						
2018-05-12	AD						
2018-05-13	AD						
2018-05-14	AD						
2018-05-15	AD						
2018-05-16	AD						
2018-05-17	AD						
2018-05-18	AD						
2018-05-19	AD						
2018-05-20	AD						
2018-05-21	AD						
2018-05-22	AD						
2018-05-23	AD						
2018-05-24	AD						
2018-05-25	AD						
2018-05-26	AD						
2018-05-27	AD						
2018-05-28	AD						
2018-05-29	AD						
2018-05-30	AD						
2018-05-31	AD						
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	044
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03							
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	045
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	1	0.0021					
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13	1	0.0072					
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1	2.1859					
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum	1.0	0.0021					
Maximum	1.0	2.1859					
Average	1	0.73173					
Count	3	3					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	056
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	1	0.1841					
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13	1	0.4438					
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1	1.6143					
2018-05-20							
2018-05-21							
2018-05-22	1	1.1285					
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum	1.0	0.1841					
Maximum	1.0	1.6143					
Average	1	0.84268					
Count	4	4					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	058
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	1	8.4122					
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13	1	10.4940					
2018-05-14	1	6.8891					
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1	12.6733					
2018-05-20							
2018-05-21	1	3.8447					
2018-05-22		22.8332					
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum	1.0	3.8447					
Maximum	1.0	22.8332					
Average	1	10.85775					
Count	5	6					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	059
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	1	0.1471					
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13	1	0.1213					
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1	1.4688					
2018-05-20							
2018-05-21							
2018-05-22	1	0.7535					
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum	1.0	0.1213					
Maximum	1.0	1.4688					
Average	1	0.62268					
Count	4	4					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	069
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03							
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	072
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03							
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1	0.0551					
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31	1	0.0132					
Minimum	1.0	0.0132					
Maximum	1.0	0.0551					
Average	1	0.03415					
Count	2	2					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-05-01							
2018-05-02							
2018-05-03						499100	1
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							1
2018-05-11							
2018-05-12							1
2018-05-13							1
2018-05-14						AK	1
2018-05-15							1
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							1
2018-05-20							
2018-05-21							1
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							1
Minimum						499100.0	1.0
Maximum						499100.0	1.0
Average						499100	1
Count						1	9

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	080
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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					
2018-05-01							
2018-05-02							
2018-05-03	6.6412	93.3					
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10	0.2841						
2018-05-11							
2018-05-12	0.9459						
2018-05-13	7.7597						
2018-05-14	4.5279	AE					
2018-05-15	0.0892						
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	14.5707						
2018-05-20	0.0486						
2018-05-21	2.7465						
2018-05-22	5.1506						
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31	0.5124						
Minimum	0.0486	93.3					
Maximum	14.5707	93.3					
Average	3.93425	93.3					
Count	11	1					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	088
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	1	0.9067					
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10	1	0.3670					
2018-05-11							
2018-05-12							
2018-05-13	1	0.9843					
2018-05-14	1	0.2297					
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1	2.2914					
2018-05-20							
2018-05-21							
2018-05-22	1	0.1491					
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31	1	1.3546					
Minimum	1.0	0.1491					
Maximum	1.0	2.2914					
Average	1	0.89754					
Count	7	7					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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
2018-05-01							
2018-05-02							
2018-05-03							1
2018-05-04							1
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							1
2018-05-11							
2018-05-12							1
2018-05-13							
2018-05-14							1
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							1
2018-05-20							
2018-05-21							1
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							1
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							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
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	200
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	4.1400						
2018-05-04	0.1100						
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10	0.5000						
2018-05-11							
2018-05-12	6.3900						
2018-05-13							
2018-05-14	3.0000						
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	16.3300						
2018-05-20							
2018-05-21	3.8200						
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26	0.0100						
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31	0.8700						
Minimum	0.01						
Maximum	16.33						
Average	3.90778						
Count	9						

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-05-01							
2018-05-02							
2018-05-03							1
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							1
2018-05-11							
2018-05-12							1
2018-05-13							1
2018-05-14	168		5.16	0.751	0.736	AK	1
2018-05-15							1
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							1
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							1
Minimum	168.0		5.16	0.751	0.736		1.0
Maximum	168.0		5.16	0.751	0.736		1.0
Average	168		5.16	0.751	0.736		1
Count	1		1	1	1		8

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	202
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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					
2018-05-01							
2018-05-02							
2018-05-03	3.6534						
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10	0.0061						
2018-05-11							
2018-05-12	0.0122						
2018-05-13	8.4673						
2018-05-14	2.3713	AE					
2018-05-15	0.0029						
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1.0292						
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31	0.0034						
Minimum	0.0029						
Maximum	8.4673						
Average	1.94323						
Count	8						

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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
2018-05-01							
2018-05-02							
2018-05-03							1
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							1
2018-05-14							1
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							1
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
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
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	206
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	6.1970						
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13	3.8300						
2018-05-14	2.5140						
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	11.7530						
2018-05-20	5.5510						
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum	2.514						
Maximum	11.753						
Average	5.969						
Count	5						

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	211
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	1	1.7327					
2018-05-04	1	0.0037					
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10	1	0.0587					
2018-05-11							
2018-05-12	1	0.1340					
2018-05-13	1	0.8649					
2018-05-14	1	0.5857					
2018-05-15	1	0.0580					
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1	10.0023					
2018-05-20		0.3323					
2018-05-21	1	0.2611					
2018-05-22		0.2241					
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum	1.0	0.0037					
Maximum	1.0	10.0023					
Average	1	1.29614					
Count	9	11					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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
2018-05-01							
2018-05-02							
2018-05-03							AD
2018-05-04							AD
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							1
2018-05-13							1
2018-05-14							1
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							1
2018-05-20							
2018-05-21							1
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum							1.0
Maximum							1.0
Average							1
Count							5

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	218
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03	AD						
2018-05-04	AD						
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12	0.0647						
2018-05-13	0.6832						
2018-05-14	0.2856						
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1.9434						
2018-05-20	0.0039						
2018-05-21	0.0506						
2018-05-22	0.1977						
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum	0.0039						
Maximum	1.9434						
Average	0.4613						
Count	7						

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	232
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01	AH	AH					
2018-05-02	AH	AH					
2018-05-03	AH	AH					
2018-05-04	AH	AH					
2018-05-05	AH	AH					
2018-05-06	AH	AH					
2018-05-07	AH	AH					
2018-05-08	AH	AH					
2018-05-09	AH	AH					
2018-05-10	AH	AH					
2018-05-11	AH	AH					
2018-05-12	AH	AH					
2018-05-13	AH	AH					
2018-05-14	AH	AH					
2018-05-15	AH	AH					
2018-05-16	AH	AH					
2018-05-17	AH	AH					
2018-05-18	AH	AH					
2018-05-19	AH	AH					
2018-05-20	AH	AH					
2018-05-21	AH	AH					
2018-05-22	AH	AH					
2018-05-23	AH	AH					
2018-05-24	AH	AH					
2018-05-25	AH	AH					
2018-05-26	AH	AH					
2018-05-27	AH	AH					
2018-05-28	AH	AH					
2018-05-29	AH	AH					
2018-05-30	AH	AH					
2018-05-31	AH	AH					
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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
2018-05-01							
2018-05-02							
2018-05-03							1
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							1
2018-05-11							
2018-05-12							1
2018-05-13							1
2018-05-14						AE	1
2018-05-15							1
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							1
2018-05-20							
2018-05-21							1
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
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
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	239
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth
		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					
2018-05-01							
2018-05-02							
2018-05-03	4.1296	20.6					
2018-05-04	0.1181						
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10	0.0740						
2018-05-11							
2018-05-12	0.1215						
2018-05-13	2.0940						
2018-05-14	0.4889	AE					
2018-05-15	0.0665						
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	10.6863						
2018-05-20	3.8564						
2018-05-21	0.2719						
2018-05-22	1.5593						
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum	0.0665	20.6					
Maximum	10.6863	20.6					
Average	2.13332	20.6					
Count	11	1					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	242
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03							
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19	1	5.2738					
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum	1.0	5.2738					
Maximum	1.0	5.2738					
Average	1	5.2738					
Count	1	1					

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764509	**STATUS:**	Original
FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**STATION CODE:**	258
		MONITORING PERIOD :	2018-05-01 To: 2018-05-31
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					
2018-05-01							
2018-05-02							
2018-05-03							
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Kevin Zebrowski	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.		2018-06-14 10:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	Northeast Ohio Regional SD	**PERMIT NUMBER:**	***3PA00002*HD***
LOCATION:	3826 Euclid Ave Cleveland, OH 44115	**MONITORING PERIOD :**	2018-05-01 To: 2018-05-31

GENERAL REPORT COMMENT:

For CSO-200, model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.

PARAMETER COMMENTS:

Station Code	Parameter Name	Parameter Code	Date	Unit	Comment
040	Overflow Occurrence	74062	2018-05-01	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-02	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-03	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-04	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-05	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.

040	Overflow Occurrence	74062	2018-05-06	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-07	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-08	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-09	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-10	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-11	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-12	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-13	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-14	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-15	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-16	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-17	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.

040	Overflow Occurrence	74062	2018-05-18	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-19	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-20	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-21	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-22	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-23	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-24	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-25	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-26	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-27	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-28	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-29	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.

040	Overflow Occurrence	74062	2018-05-30	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Occurrence	74062	2018-05-31	No./Month	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-01	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-02	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-03	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-04	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-05	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-06	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-07	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-08	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-09	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-10	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.

040	Overflow Volume	74063	2018-05-11	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-12	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-13	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-14	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-15	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-16	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-17	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-18	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-19	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-20	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-21	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-22	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.

040	Overflow Volume	74063	2018-05-23	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-24	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-25	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-26	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-27	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-28	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-29	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-30	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
040	Overflow Volume	74063	2018-05-31	Million Gallons	The meter was removed from this site on March 26, 2018 as part of the 1386 KRPE: Kingsbury Run Preliminary Engineering Project and was re-installed on May 9, 2018. Monitoring is expected to resume June 2018 once a new equation has been developed to report overflow volume at this location.
080	E. coli	31648	2018-05-14	#/100 ml	Too Numerous to Count (> 241960)
080	CBOD 5 day	80082	2018-05-14	mg/l	Blanks did not meet QC criteria
200	Overflow Occurrence	74062	2018-05-03	No./Month	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Occurrence	74062	2018-05-04	No./Month	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Occurrence	74062	2018-05-10	No./Month	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm

					event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Occurrence	74062	2018-05-12	No./Month	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Occurrence	74062	2018-05-14	No./Month	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Occurrence	74062	2018-05-19	No./Month	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Occurrence	74062	2018-05-21	No./Month	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Occurrence	74062	2018-05-26	No./Month	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Occurrence	74062	2018-05-31	No./Month	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Volume	74063	2018-05-03	Million Gallons	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Volume	74063	2018-05-04	Million Gallons	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Volume	74063	2018-05-10	Million Gallons	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Volume	74063	2018-05-12	Million Gallons	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Volume	74063	2018-05-14	Million Gallons	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Volume	74063	2018-05-19	Million Gallons	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Volume	74063	2018-05-21	Million Gallons	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
200	Overflow Volume	74063	2018-05-26	Million Gallons	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.

200	Overflow Volume	74063	2018-05-31	Million Gallons	Model data was used to estimate overflow occurrence and volume for the entire month of May 2018 due to equipment failure during storm event on 4/15/18. A new sensor was installed and calibrated on June 4, 2018.
202	E. coli	31648	2018-05-14	#/100 ml	Too Numerous to Count (> 241960)
202	CBOD 5 day	80082	2018-05-14	mg/l	Blanks did not meet QC criteria
218	Overflow Occurrence	74062	2018-05-03	No./Month	Meter stopped working during a rain event and was out of service on 05/03 and 05/04. Meter was put back in service on 05/04 at 11:05 AM; battery and cable were replaced.
218	Overflow Occurrence	74062	2018-05-04	No./Month	Meter stopped working during a rain event and was out of service on 05/03 and 05/04. Meter was put back in service on 05/04 at 11:05 AM; battery and cable were replaced.
218	Overflow Volume	74063	2018-05-03	Million Gallons	Meter stopped working during a rain event and was out of service on 05/03 and 05/04. Meter was put back in service on 05/04 at 11:05 AM; battery and cable were replaced.
218	Overflow Volume	74063	2018-05-04	Million Gallons	Meter stopped working during a rain event and was out of service on 05/03 and 05/04. Meter was put back in service on 05/04 at 11:05 AM; battery and cable were replaced.
232	Overflow Occurrence per Year	51709	2018-05-01	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	2018-05-02	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	2018-05-03	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	2018-05-04	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	2018-05-05	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	2018-05-06	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	2018-05-07	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	2018-05-08	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	2018-05-09	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	2018-05-10	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	2018-05-11	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	2018-05-12	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	2018-05-13	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	2018-05-14	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	2018-05-15	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	2018-05-16	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	2018-05-17	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	2018-05-18	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	2018-05-19	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	2018-05-20	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	2018-05-21	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	2018-05-22	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	2018-05-23	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	2018-05-24	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	2018-05-25	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	2018-05-26	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	2018-05-27	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	2018-05-28	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	2018-05-29	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	2018-05-30	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	2018-05-31	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	2018-05-01	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	2018-05-02	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	2018-05-03	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	2018-05-04	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	2018-05-05	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	2018-05-06	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	2018-05-07	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	2018-05-08	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	2018-05-09	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	2018-05-10	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	2018-05-11	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	2018-05-12	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	2018-05-13	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	2018-05-14	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	2018-05-15	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	2018-05-16	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	2018-05-17	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	2018-05-18	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	2018-05-19	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	2018-05-20	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	2018-05-21	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	2018-05-22	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	2018-05-23	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	2018-05-24	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	2018-05-25	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	2018-05-26	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	2018-05-27	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	2018-05-28	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	2018-05-29	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	2018-05-30	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	2018-05-31	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.
239	E. coli	31648	2018-05-14	#/100 ml	Result not valid due to laboratory error
239	CBOD 5 day	80082	2018-05-14	mg/l	Blanks did not meet QC criteria

Dry Weather Overflow and Upset Reports

First Half of 2018

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Donald Hamilton

Date: 1/31/2018

******REVISED COPY******

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure BC-64 ALEXCO AT LEROY AVE 221 FEET EAST OF MANHOLE IN FIELD

Date Found: 1/29/2018 **Time Found:** 10:55 AM **CSO:** CSO-058

Receiving Water: Big Creek

Approximate Discharge (Gallons): 22,000

Description of Problem: City of Cleveland Water Department flushing a hydrant into catch basin overwhelming the collection system resulting in a dry weather overflow.

Community with Maintenance Responsibility: NEORSD

Contact Person: City of Cleveland Water Department

Additional Information: Data from a level monitor at the site was reviewed at noon today and a crew arrived on site around 1:30 PM. The crew saw evidence that an overflow occurred and a City of Cleveland Water Department crew confirmed that they were flushing a hydrant into a catch basin overwhelming the collection system. The overflow duration is based on information from the level monitor. NOTE: There were two overflows at the site today. The first overflow started at 10:55 AM for a duration of 15 minutes and the second overflow started at 11:30 AM for a duration of 70 minutes.

Date Corrected: 1/29/2018 **Time Corrected:** 1:10 PM

Duration Of Discharge: 1 hour 25 minutes

Work Order Number: 1802929-01

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: Greg Mitchell

Date: 2/2/2018

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: H-14 COIT AVE SOUTH OF WOODWORTH AVE

Date Found: 2/1/2018 **TIME FOUND:** 11:50 AM **CSO:** CSO-211

Receiving Water: NINE MILE CREEK

Estimated Discharge (Gallons): 27,580

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: Data from a level monitor at the site was reviewed at 2:30 PM on 2/1/2018 and a crew arrived on site around 3:45 PM. The crew confirmed that an overflow was occurring and performed the corrective action. The overflow duration is based on information from the level monitor. NOTE: There were two overflows at the site today. The first overflow started at 11:50 AM for a duration of 160 minutes and the second overflow started at 3:35 pm for a duration of 40 minutes.

Date Corrected: 2/1/2018 **Time Corrected:** 4:15 PM

Duration of Discharge (Hrs): 3.33

Corrective Action: Jet rodded and vacuumed

Work Order #: 1803471-01

Northeast Ohio
Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Greg Mitchell

Date: 2/13/2018

******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: L-39 LAKESHORE BLVD AT EUCLID CREEK PS

Date Found: 2/12/2018 **TIME FOUND:** 4:10 AM **CSO:** CSO-239

Receiving Water: EUCLID CREEK

Estimated Discharge (Gallons): Approx. 429,460

Cause: Debris and rags blocking Euclid Creek Pump Station bar rack downstream of the overflow structure.

Proposed Remedial Action: Remove debris / rags from bar rack

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: Data from a level monitor at the site was reviewed at 10:30 am on the morning of 2/12/18. NEORSD crews arrived on site at 10:50 am and observed an overflow at the site. The overflow duration is based on information from the level monitor at the site. Also and based on data from NEORSD's Easterly WWTP rain gauge, this event started 12 hours after the rain ceased on 2/11/18.

Date Corrected: 2/12/2018 **Time Corrected:** 11:00 AM

Duration of Discharge (Hrs): 6.83

Corrective Action: Removed debris / rags from bar rack

Work Order #: 1803233-04

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: 2/20/2018

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-29B OLD RIVER RD AT MAIN AVE

Date Found: 2/19/2018 **Time Found:** 7:00 PM **CSO:** CSO-091

Receiving Water: CUYAHOGA RIVER

Estimated Discharge (Gallons): Approx. 121,500

Cause: Loss of power to PLC at pump station (tripped breaker)

Proposed Remedial Action: Reset circuit breaker to restore power

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: Crews arrived on site around 7:30 am this morning and after troubleshooting, discovered that a breaker for the PLC was tripped. Crews were able to get the station back online at 8:33 am. Note: There was 0.66 inches of precipitation received at Division Ave. Pump Station gauge (closest gauge to Flats East Bank Pump Station) yesterday and the estimated discharge is based on the typical dry weather discharge flows from Flats East Bank Pump Station.

Date Corrected: 2/20/2018 **Time Corrected:** 8:34 AM

Duration of Discharge (Hrs): 13.56

Corrective Action: Restored power to PLC

Work Order #: 1804698-01

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: David Glisic

Date: 3/5/2018

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: BC-74 PURITAS AVE WEST OF GRAYTON RD

Date Found: 3/5/2018 **Time Found:** 12:35PM **CSO:** CSO-062

Receiving Water: ROCKY RIVER

Estimated Discharge (Gallons): 420

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Thomas Madej

Additional Information: N/A

Date Corrected: 3/5/2018 **Time Corrected:** 1:35PM

Duration of Discharge (Hrs): 1.00

Corrective Action: Jet rodded and vacuumed

Work Order #: 1805103-02

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: Greg Mitchell

Date: 4/30/2018

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: H-15 E 146TH ST SOUTH OF WOODWORTH AVE

Date Found: 4/30/2018 **Time Found:** 9:30 AM **CSO:** CSO-211

Receiving Water: NINE MILE CREEK

Estimated Discharge (Gallons): 1,068

Cause: Grit/Leaves

Proposed Remedial Action: Jet rod and vacuum

Jurisdiction: NEORSD

Contact Person: Kevin Zebrowski

Additional Information:

Date Corrected: 4/30/2018 **Time Corrected:** 11:00 AM

Duration of Discharge (Hrs): 1.50

Corrective Action: Jet rodded and vacuumed

Work Order #: 1807934-02

Northeast Ohio Regional Sewer District

4747 East 49th Street
Phone: 216-641-6000 Fax: 216-641-5120

To: Erm Gomes
Ohio EPA

From: David Glisic

Date: 5/7/2018

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure L-39 Lakeshore Blvd. at Euclid Creek Pump Station

Date Found: 5/6/2018 **Time Found:** 12:15 PM **CSO:** CSO-239

Receiving Water: Euclid Creek

Approximate Discharge (Gallons): 39,700

Description of Problem: Power outage at the Pump Station.

Community with Maintenance Responsibility: Cleveland Public Power

Contact Person: Cleveland Public Power (216) 664-4600

Additional Information: Cleveland Public Power had a small explosion at a substation. Euclid Creek Pump Station does not have a back-up emergency generator. CCP was able to restore power prior to initiating bypass pumping. The overflow duration is based on information from the level monitor.

Date Corrected: 5/6/2018 **Time Corrected:** 12:50 PM

Duration Of Discharge: 0.58 hr.

Work Order Number: 1811473-03

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: Donald Hamilton

Date: 5/30/2018

******REVISED COPY******

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure BC-53A LORAIN AVE. WEST OF W. 134TH STREET

Date Found: 5/29/2018 **Time Found:** 3:45 AM **CSO:** CSO-058

Receiving Water: BIG CREEK

Approximate Discharge (Gallons): Approx. 33,327

Description of Problem: Water main break at Lorain Avenue and West 137th Street. Water main break was the cause of the overflow.

Community with Maintenance Responsibility: Cleveland Division of Water

Contact Person: City of Cleveland Division of Water (216) 664-3060

Additional Information: Data from a level monitor at the site was reviewed at 7:15 am on the morning of 5/29/18 and a crew arrived on site around 8:00 am. The site was overflowing when the crew arrived on site. The overflow duration is based on information from the level monitor.

Date Corrected: 5/29/2018 **Time Corrected:** 10:15 AM

Duration Of Discharge: 6.5 hrs.

Work Order Number: 1813990-01

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: David Glisic

******REVISED COPY******

Date: 6/27/2018

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure WR-28 West 14th North of Mentor Ave

Date Found: 6/26/2018 **Time Found:** 9:10 AM **CSO:** CSO-087

Receiving Water: CUYAHOGA RIVER

Approximate Discharge (Gallons): Approx. 343,648

Description of Problem: Excess flows overwhelming the system. Cleveland Water Department provided documentation confirming that the City of Cleveland Fire Department was flushing hydrants in the vicinity.

Community with Maintenance Responsibility: Cleveland

Contact Person: City of Cleveland Division of Fire (216) 664-6800

Additional Information: A notification from a level monitor at the site was received at 5:25 am on 6/27/18 and a crew arrived on site around 8:00 am. The site was not overflowing when the crew arrived; however, crews performed the corrective action. The overflow duration is based on information from the level monitor.

Date Corrected: 6/26/2018 **Time Corrected:** 2:40 PM

Duration Of Discharge: 5.5 hrs.

Work Order Number: 1816602-01

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: David Glisic

******REVISED COPY******

Date: 6/27/2018

Northeast Ohio Regional Sewer District
Dry Weather Overflow Advisory
Upset Condition Pursuant to Section 40 CFR 122.41(n)

[X] **Initial Advisory**

[X] **Five-Day Status Report**

Structure WR-29 West 12th North of Mentor Ave

Date Found: 6/26/2018 **Time Found:** 9:05 AM **CSO:** CSO-087

Receiving Water: CUYAHOGA RIVER

Approximate Discharge (Gallons): Approx. 175,543

Description of Problem: Excess flows overwhelming the system. Cleveland Water Department provided documentation confirming that the City of Cleveland Fire Department was flushing hydrants in the vicinity.

Community with Maintenance Responsibility: Cleveland

Contact Person: City of Cleveland Division of Fire (216) 664-6800

Additional Information: Data from a level monitor at the site was reviewed at 7:15 am on the morning of 6/27/18 and a crew arrived on site around 8:00 am. The site was not overflowing when the crew arrived; however, crews performed the corrective action. The overflow duration is based on information from the level monitor.

Date Corrected: 6/26/2018 **Time Corrected:** 1:35 PM

Duration Of Discharge: 4.5 hrs.

Work Order Number: 1816603-01

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: 1/5/2018

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: Improper sanitary connection to 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 1/5/18: NEORSD, Cleveland Water Pollution Control, and the Ohio EPA met on 1/3/18 and discussed the issues at the site. Cleveland Water Pollution Control has committed to drafting a letter to the OEPA by early next week. The letter will include options to address the sagging sewer line along Henninger Road downstream of the overflow structure and to eliminate the single improper connection at the west end of Henninger Road.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 1/10/2018

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: Improper sanitary connection to 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 1/10/18: Cleveland Water Pollution Control submitted a draft to the Ohio EPA on 1/9/2018 and the OhioEPA responded with multiple options. Currently, there is still a sagging sewer line along Henninger Road downstream of the overflow structure and a single improper connection at the west end of Henninger Road that still needs to be addressed.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 1/15/2018

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: Improper sanitary connection to 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 1/10/18: Cleveland Water Pollution Control submitted a draft to the Ohio EPA on 1/9/2018 and the OhioEPA responded with multiple options. Currently, there is still a sagging sewer line along Henninger Road downstream of the overflow structure and a single improper connection at the west end of Henninger Road that still needs to be addressed.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 1/20/2018

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: Improper sanitary connection to 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 1/10/18: Cleveland Water Pollution Control submitted a draft to the Ohio EPA on 1/9/2018 and the OhioEPA responded with multiple options. Currently, there is still a sagging sewer line along Henninger Road downstream of the overflow structure and a single improper connection at the west end of Henninger Road that still needs to be addressed.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 1/25/2018

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: Improper sanitary connection to 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 1/10/18: Cleveland Water Pollution Control submitted a draft to the Ohio EPA on 1/9/2018 and the OhioEPA responded with multiple options. Currently, there is still a sagging sewer line along Henninger Road downstream of the overflow structure and a single improper connection at the west end of Henninger Road that still needs to be addressed.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 1/30/2018

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: Improper sanitary connection to 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 1/10/18: Cleveland Water Pollution Control submitted a draft to the Ohio EPA on 1/9/2018 and the OhioEPA responded with multiple options. Currently, there is still a sagging sewer line along Henninger Road downstream of the overflow structure and a single improper connection at the west end of Henninger Road that still needs to be addressed.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 2/4/2018

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: Improper sanitary connection to 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 2/1/18: Cleveland Water Pollution Control (WPC) submitted a letter to the Ohio EPA on 1/26/18 with a corrective plan. The home owner with the illicit connection is in the process of hiring a plumber to resolve the illicit connection issue. Also, WPC has hired a contractor (Terrace Construction) to correct the sagging sewer line along Henninger Road downstream of the overflow structure. The contractor is scheduled to start the week of 2/13/18.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 2/9/2018

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: Improper sanitary connection to storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: UPDATE 2/9/18: On 2/8/18, the contractor (Terrace Construction), under the direction of WPC, eliminated the sanitary sewer overflow structure along Henninger, west of Pearl Road. Also, the home owner of 3451 Henninger Road has hired Gorman-Lavelle plumbers to correct their illicit connection.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 2/14/2018

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: Improper sanitary connection to storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: UPDATE 2/9/18: On 2/8/18, the contractor (Terrace Construction), under the direction of WPC, eliminated the sanitary sewer overflow structure along Henninger, west of Pearl Road. Also, the home owner of 3451 Henninger Road has hired Gorman-Lavelle plumbers to correct their illicit connection.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 2/19/2018

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: Improper sanitary connection to storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: UPDATE 2/9/18: On 2/8/18, the contractor (Terrace Construction), under the direction of WPC, eliminated the sanitary sewer overflow structure along Henninger, west of Pearl Road. Also, the home owner of 3451 Henninger Road has hired Gorman-Lavelle plumbers to correct their illicit connection.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 2/24/2018

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: Improper sanitary connection to storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: UPDATE 2/9/18: On 2/8/18, the contractor (Terrace Construction), under the direction of WPC, eliminated the sanitary sewer overflow structure along Henninger, west of Pearl Road. Also, the home owner of 3451 Henninger Road has hired Gorman-Lavelle plumbers to correct their illicit connection.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 3/1/2018

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: Improper sanitary connection to storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: UPDATE 2/9/18: On 2/8/18, the contractor (Terrace Construction), under the direction of WPC, eliminated the sanitary sewer overflow structure along Henninger, west of Pearl Road. Also, the home owner of 3451 Henninger Road has hired Gorman-Lavelle plumbers to correct their illicit connection.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 3/6/2018

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: Improper sanitary connection to storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: UPDATE 2/9/18: On 2/8/18, the contractor (Terrace Construction), under the direction of WPC, eliminated the sanitary sewer overflow structure along Henninger, west of Pearl Road. Also, the home owner of 3451 Henninger Road has hired Gorman-Lavelle plumbers to correct their illicit connection.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 3/11/2018

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: Improper sanitary connection to storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: UPDATE 3/8/18: WPC is waiting for Gorman-Lavelle (plumber hired by the home owner of 3451 Henninger Road) to submit their illicit connection correction plan. Once WPC approves their submittal, work can commence on correcting the illicit connection.
NOTE: On 2/8/18, Terrace Construction, under the direction of WPC, eliminated the sanitary sewer overflow structure along Henninger, west of Pearl Road.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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: 3/16/2018

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: Improper sanitary connection to storm sewer

Community with Maintenance Responsibility: Cleveland

Contact Person: Elie Ramy WPC (216) 664-2750

Additional Information: UPDATE 3/8/18: WPC is waiting for Gorman-Lavelle (plumber hired by the home owner of 3451 Henninger Road) to submit their illicit connection correction plan. Once WPC approves their submittal, work can commence on correcting the illicit connection.
NOTE: On 2/8/18, Terrace Construction, under the direction of WPC, eliminated the sanitary sewer overflow structure along Henninger, west of Pearl Road.

Date Corrected: **Time Corrected:**

Duration Of Discharge:

Work Order Number: 1700128-01

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).

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:	734420	**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 :	2018-01-01 To: 2018-01-31
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		
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum							
Maximum							
Average							
Count							

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.		2018-02-12 11:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	734420	**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 :	2018-01-01 To: 2018-01-31
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		
2018-01-01	AC	AC	AC	AC	AC		
2018-01-02	AC	AC	AC	AC	AC		
2018-01-03	AC	AC	AC	AC	AC		
2018-01-04	AC	AC	AC	AC	AC		
2018-01-05	AC	AC	AC	AC	AC		
2018-01-06	AC	AC	AC	AC	AC		
2018-01-07	AC	AC	AC	AC	AC		
2018-01-08	AC	AC	AC	AC	AC		
2018-01-09	AC	AC	AC	AC	AC		
2018-01-10	AC	AC	AC	AC	AC		
2018-01-11	AC	AC	AC	AC	AC		
2018-01-12	25	AA 2	1	42.27	7.90		
2018-01-13	AC	AC	AC	AC	AC		
2018-01-14	AC	AC	AC	AC	AC		
2018-01-15	AC	AC	AC	AC	AC		
2018-01-16	AC	AC	AC	AC	AC		
2018-01-17	AC	AC	AC	AC	AC		
2018-01-18	AC	AC	AC	AC	AC		
2018-01-19	AC	AC	AC	AC	AC		
2018-01-20	AC	AC	AC	AC	AC		
2018-01-21	AC	AC	AC	AC	AC		
2018-01-22	AC	AC	AC	AC	AC		
2018-01-23	AC	AC	AC	AC	AC		
2018-01-24	AC	AC	AC	AC	AC		
2018-01-25	AC	AC	AC	AC	AC		
2018-01-26	AC	AC	AC	AC	AC		
2018-01-27	AC	AC	AC	AC	AC		
2018-01-28	AC	AC	AC	AC	AC		
2018-01-29	AC	AC	AC	AC	AC		
2018-01-30	AC	AC	AC	AC	AC		
2018-01-31	AC	AC	AC	AC	AC		
Minimum	25.0	0.0	1.0	42.27	7.9		
Maximum	25.0	0.0	1.0	42.27	7.9		
Average	25	0	1	42.27	7.9		
Count	1	1	1	1	1		

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.		2018-02-12 11:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NE Ohio Regional S D Easterly STP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**MONITORING PERIOD :**	2018-01-01 To: 2018-01-31

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	2018-01-14	mg/l	SAMPLE NOT ANALYZED DUE TO HOLIDAY
001	Phosphorus, Total (P)	00665	2018-01-14	mg/l	SAMPLE NOT ANALYZED DUE TO HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2018-01-14	mg/l	SAMPLE NOT ANALYZED DUE TO HOLIDAY
601	CBOD 5 day	80082	2018-01-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-12	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-24	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-29	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	742971	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager NEORSD AS
		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		
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
Minimum							
Maximum							
Average							
Count							

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.		2018-03-16 11:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	742971	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager NEORSD AS
		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		
2018-02-01	AC	AC	AC	AC	AC		
2018-02-02	AC	AC	AC	AC	AC		
2018-02-03	AC	AC	AC	AC	AC		
2018-02-04	AC	AC	AC	AC	AC		
2018-02-05	AC	AC	AC	AC	AC		
2018-02-06	AC	AC	AC	AC	AC		
2018-02-07	AC	AC	AC	AC	AC		
2018-02-08	AC	AC	AC	AC	AC		
2018-02-09	AC	AC	AC	AC	AC		
2018-02-10	AC	AC	AC	AC	AC		
2018-02-11	AC	AC	AC	AC	AC		
2018-02-12	AC	AC	AC	AC	AC		
2018-02-13	AC	AC	AC	AC	AC		
2018-02-14	AC	AC	AC	AC	AC		
2018-02-15	AC	AC	AC	AC	AC		
2018-02-16	160	AE	1	1.91	2.13		
2018-02-17	AC	AC	AC	AC	AC		
2018-02-18	AC	AC	AC	AC	AC		
2018-02-19	5	27	1	4.49	4.80		
2018-02-20	AC	AC	AC	AC	AC		
2018-02-21	AC	AC	AC	AC	AC		
2018-02-22	AC	AC	AC	AC	AC		
2018-02-23	AC	AC	AC	AC	AC		
2018-02-24	AC	AC	AC	AC	AC		
2018-02-25	AC	AC	AC	AC	AC		
2018-02-26	AC	AC	AC	AC	AC		
2018-02-27	AC	AC	AC	AC	AC		
2018-02-28	AC	AC	AC	AC	AC		
Minimum	5.0	27.0	1.0	1.91	2.13		
Maximum	160.0	27.0	1.0	4.49	4.8		
Average	82.5	27	1	3.2	3.465		
Count	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.		2018-03-16 11:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**MONITORING PERIOD :**	2018-02-01 To: 2018-02-28

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	2018-02-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2018-02-16	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-15	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-28	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750551	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
Minimum							
Maximum							
Average							
Count							

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.		2018-04-17 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750551	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-03-01	208	28	1	91.72	9.48		
2018-03-02	AC	AC	AC	AC	AC		
2018-03-03	AC	AC	AC	AC	AC		
2018-03-04	AC	AC	AC	AC	AC		
2018-03-05	AC	AC	AC	AC	AC		
2018-03-06	AC	AC	AC	AC	AC		
2018-03-07	AC	AC	AC	AC	AC		
2018-03-08	AC	AC	AC	AC	AC		
2018-03-09	AC	AC	AC	AC	AC		
2018-03-10	AC	AC	AC	AC	AC		
2018-03-11	AC	AC	AC	AC	AC		
2018-03-12	AC	AC	AC	AC	AC		
2018-03-13	AC	AC	AC	AC	AC		
2018-03-14	AC	AC	AC	AC	AC		
2018-03-15	AC	AC	AC	AC	AC		
2018-03-16	AC	AC	AC	AC	AC		
2018-03-17	AC	AC	AC	AC	AC		
2018-03-18	AC	AC	AC	AC	AC		
2018-03-19	AC	AC	AC	AC	AC		
2018-03-20	AC	AC	AC	AC	AC		
2018-03-21	AC	AC	AC	AC	AC		
2018-03-22	AC	AC	AC	AC	AC		
2018-03-23	AC	AC	AC	AC	AC		
2018-03-24	AC	AC	AC	AC	AC		
2018-03-25	AC	AC	AC	AC	AC		
2018-03-26	AC	AC	AC	AC	AC		
2018-03-27	66	29	1	1.59	2.17		
2018-03-28	81	20	1	0.84	1.53		
2018-03-29	332	114	1	105.74	7.60		
2018-03-30	52	19	0	0.19	0.62		
2018-03-31	AC	AC	AC	AC	AC		
Minimum	52.0	19.0	0.0	0.19	0.62		
Maximum	332.0	114.0	1.0	105.74	9.48		
Average	147.8	42	0.8	40.016	4.28		
Count	5	5	5	5	5		

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.		2018-04-17 15:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**MONITORING PERIOD :**	2018-03-01 To: 2018-03-31

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
601	CBOD 5 day	80082	2018-03-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-03-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-03-19	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758263	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-04-01							
2018-04-02							
2018-04-03							
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15							
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
Minimum							
Maximum							
Average							
Count							

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.		2018-05-17 15:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758263	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-04-01	AC	AC	AC	AC	AC		
2018-04-02	AC	AC	AC	AC	AC		
2018-04-03	46	AE	1	2.23	0.53		
2018-04-04	452	AE	0	41.19	5.00		
2018-04-05	AC	AC	AC	AC	AC		
2018-04-06	AC	AC	AC	AC	AC		
2018-04-07	AC	AC	AC	AC	AC		
2018-04-08	AC	AC	AC	AC	AC		
2018-04-09	AC	AC	AC	AC	AC		
2018-04-10	AC	AC	AC	AC	AC		
2018-04-11	AC	AC	AC	AC	AC		
2018-04-12	AC	AC	AC	AC	AC		
2018-04-13	AC	AC	AC	AC	AC		
2018-04-14	AC	AC	AC	AC	AC		
2018-04-15	203	26	1	215.08	13.90		
2018-04-16	59	21	0	61.38	7.38		
2018-04-17	AC	AC	AC	AC	AC		
2018-04-18	AC	AC	AC	AC	AC		
2018-04-19	AC	AC	AC	AC	AC		
2018-04-20	AC	AC	AC	AC	AC		
2018-04-21	AC	AC	AC	AC	AC		
2018-04-22	AC	AC	AC	AC	AC		
2018-04-23	AC	AC	AC	AC	AC		
2018-04-24	AC	AC	AC	AC	AC		
2018-04-25	AC	AC	AC	AC	AC		
2018-04-26	AC	AC	AC	AC	AC		
2018-04-27	AC	AC	AC	AC	AC		
2018-04-28	AC	AC	AC	AC	AC		
2018-04-29	AC	AC	AC	AC	AC		
2018-04-30	AC	AC	AC	AC	AC		
Minimum	46.0	21.0	0.0	2.23	0.53		
Maximum	452.0	26.0	1.0	215.08	13.9		
Average	190	23.5	0.5	79.97	6.7025		
Count	4	2	4	4	4		

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.		2018-05-17 15:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Easterly WWTP	PERMIT NUMBER:	*3PF00001*LD*
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**MONITORING PERIOD :**	2018-04-01 To: 2018-04-30

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	2018-04-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-04-17	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-04-28	mg/l	STANDARD DID NOT MEET QC CRITERIA
001	E. coli	31648	2018-04-27	#/100 ml	SAMPLE NOT ANALYZED DUE TO LABORATORY ERROR
001	E. coli	31648	2018-04-28	#/100 ml	SAMPLE NOT ANALYZED DUE TO LABORATORY ERROR
001	E. coli	31648	2018-04-29	#/100 ml	SAMPLE NOT ANALYZED DUE TO LABORATORY ERROR
002	CBOD 5 day	80082	2018-04-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2018-04-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082		mg/l	BLANKS DID NOT MEET QC CRITERIA

			2018-04-08		
601	CBOD 5 day	80082	2018-04-10	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-17	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-19	mg/l	STANDARD DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-23	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-24	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-28	mg/l	STANDARD DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764480	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd	**STATION CODE:**	003
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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	
2018-05-01							
2018-05-02							
2018-05-03							
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
Minimum							
Maximum							
Average							
Count							

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.		2018-06-14 09:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764480	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd	**STATION CODE:**	002
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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	
2018-05-01	AC	AC	AC	AC	AC	AC	
2018-05-02	AC	AC	AC	AC	AC	AC	
2018-05-03	515	77	7	1	16.62	4.37	
2018-05-04	AC	AC	AC	AC	AC	AC	
2018-05-05	AC	AC	AC	AC	AC	AC	
2018-05-06	AC	AC	AC	AC	AC	AC	
2018-05-07	AC	AC	AC	AC	AC	AC	
2018-05-08	AC	AC	AC	AC	AC	AC	
2018-05-09	AC	AC	AC	AC	AC	AC	
2018-05-10	AC	AC	AC	AC	AC	AC	
2018-05-11	AC	AC	AC	AC	AC	AC	
2018-05-12	AC	AC	AC	AC	AC	AC	
2018-05-13	157850	132	AE	1	23.33	4.23	
2018-05-14	391800	89	AE	1	12.79	3.33	
2018-05-15	AC	AC	AC	AC	AC	AC	
2018-05-16	AC	AC	AC	AC	AC	AC	
2018-05-17	AC	AC	AC	AC	AC	AC	
2018-05-18	AC	AC	AC	AC	AC	AC	
2018-05-19	AH	497	AE	1	93.66	7.90	
2018-05-20	160000	95	AE	0	23.03	2.98	
2018-05-21	AC	AC	AC	AC	AC	AC	
2018-05-22	5706	27	AA 10	1	14.87	4.52	
2018-05-23	AC	AC	AC	AC	AC	AC	
2018-05-24	AC	AC	AC	AC	AC	AC	
2018-05-25	AC	AC	AC	AC	AC	AC	
2018-05-26	AC	AC	AC	AC	AC	AC	
2018-05-27	AC	AC	AC	AC	AC	AC	
2018-05-28	AC	AC	AC	AC	AC	AC	
2018-05-29	AC	AC	AC	AC	AC	AC	
2018-05-30	AC	AC	AC	AC	AC	AC	
2018-05-31	AC	AC	AC	AC	AC	AC	
Minimum	515.0	27.0	0.0	0.0	12.79	2.98	
Maximum	391800.0	497.0	7.0	1.0	93.66	7.9	
Average	143174.2	152.83333	3.5	0.83333	30.71667	4.555	
Count	5	6	2	6	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
Robert Bonnett			2018-06-14 09:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Easterly WWTP	PERMIT NUMBER:	*3PF00001*LD*
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**MONITORING PERIOD :**	2018-05-01 To: 2018-05-31

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	2018-05-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	E. coli	31648	2018-05-19	#/100 ml	SAMPLE PASSED HOLD TIME
002	CBOD 5 day	80082	2018-05-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2018-05-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2018-05-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2018-05-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-30	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	771974	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	003
		MONITORING PERIOD :	2018-06-01 To: 2018-06-30
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	
2018-06-01							
2018-06-02							
2018-06-03							
2018-06-04							
2018-06-05							
2018-06-06							
2018-06-07							
2018-06-08							
2018-06-09							
2018-06-10							
2018-06-11							
2018-06-12							
2018-06-13							
2018-06-14							
2018-06-15							
2018-06-16							
2018-06-17							
2018-06-18							
2018-06-19							
2018-06-20							
2018-06-21							
2018-06-22							
2018-06-23							
2018-06-24							
2018-06-25							
2018-06-26							
2018-06-27							
2018-06-28							
2018-06-29							
2018-06-30							
Minimum							
Maximum							
Average							
Count							

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.		2018-07-13 16:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	771974	**STATUS:**	Original
FACILITY:	NEORSD Easterly WWTP	**PERMIT NUMBER:**	***3PF00001*LD***
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**STATION CODE:**	002
		MONITORING PERIOD :	2018-06-01 To: 2018-06-30
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	
2018-06-01	AC	AC	AC	AC	AC	AC	
2018-06-02	AC	AC	AC	AC	AC	AC	
2018-06-03	AH	310	AE	1	4.31	1.43	
2018-06-04	AC	AC	AC	AC	AC	AC	
2018-06-05	AC	AC	AC	AC	AC	AC	
2018-06-06	AC	AC	AC	AC	AC	AC	
2018-06-07	AC	AC	AC	AC	AC	AC	
2018-06-08	AC	AC	AC	AC	AC	AC	
2018-06-09	AC	AC	AC	AC	AC	AC	
2018-06-10	AC	AC	AC	AC	AC	AC	
2018-06-11	AC	AC	AC	AC	AC	AC	
2018-06-12	AC	AC	AC	AC	AC	AC	
2018-06-13	AC	AC	AC	AC	AC	AC	
2018-06-14	AC	AC	AC	AC	AC	AC	
2018-06-15	AC	AC	AC	AC	AC	AC	
2018-06-16	AC	AC	AC	AC	AC	AC	
2018-06-17	AC	AC	AC	AC	AC	AC	
2018-06-18	AC	AC	AC	AC	AC	AC	
2018-06-19	1048100	222	109	1	0.40	0.47	
2018-06-20	135150	82	10	1	0.39	1.20	
2018-06-21	AC	AC	AC	AC	AC	AC	
2018-06-22	AC	AC	AC	AC	AC	AC	
2018-06-23	AC	AC	AC	AC	AC	AC	
2018-06-24	AC	AC	AC	AC	AC	AC	
2018-06-25	AC	AC	AC	AC	AC	AC	
2018-06-26	AC	AC	AC	AC	AC	AC	
2018-06-27	AH	6	2	1	1.21	0.60	
2018-06-28	AC	AC	AC	AC	AC	AC	
2018-06-29	AC	AC	AC	AC	AC	AC	
2018-06-30	AC	AC	AC	AC	AC	AC	
Minimum	135150.0	6.0	2.0	1.0	0.39	0.47	
Maximum	1048100.0	310.0	109.0	1.0	4.31	1.43	
Average	591625	155	40.33333	1	1.5775	0.925	
Count	2	4	3	4	4	4	

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.		2018-07-13 16:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Easterly WWTP	PERMIT NUMBER:	*3PF00001*LD*
LOCATION:	14021 Lakeshore Blvd Cleveland, OH 44115	**MONITORING PERIOD :**	2018-06-01 To: 2018-06-30

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	2018-06-03	mg/l	QUALITY CONTROL NOT FOLLOWED
002	E. coli	31648	2018-06-03	#/100 ml	SAMPLE PASSED HOLDING TIME
002	E. coli	31648	2018-06-27	#/100 ml	SAMPLE PASSED HOLDING TIME
002	CBOD 5 day	80082	2018-06-03	mg/l	QUALITY CONTROL NOT FOLLOWED
601	CBOD 5 day	80082	2018-06-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-03	mg/l	QUALITY CONTROL NOT FOLLOWED
601	CBOD 5 day	80082	2018-06-10	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-11	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-23	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-30	mg/l	BLANKS DID NOT MEET QC CRITERIA

Southerly WWTC 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:	736205	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	002
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-01-01 To: 2018-01-31
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		
2018-01-01	AC	AC	AC	AC	AC		
2018-01-02	AC	AC	AC	AC	AC		
2018-01-03	AC	AC	AC	AC	AC		
2018-01-04	AC	AC	AC	AC	AC		
2018-01-05	AC	AC	AC	AC	AC		
2018-01-06	AC	AC	AC	AC	AC		
2018-01-07	AC	AC	AC	AC	AC		
2018-01-08	AC	AC	AC	AC	AC		
2018-01-09	AC	AC	AC	AC	AC		
2018-01-10	AC	AC	AC	AC	AC		
2018-01-11	AC	AC	AC	AC	AC		
2018-01-12	33	AE	1	11.28	79.6		
2018-01-13	AC	AC	AC	AC	AC		
2018-01-14	AC	AC	AC	AC	AC		
2018-01-15	AC	AC	AC	AC	AC		
2018-01-16	AC	AC	AC	AC	AC		
2018-01-17	AC	AC	AC	AC	AC		
2018-01-18	AC	AC	AC	AC	AC		
2018-01-19	AC	AC	AC	AC	AC		
2018-01-20	AC	AC	AC	AC	AC		
2018-01-21	AC	AC	AC	AC	AC		
2018-01-22	AC	AC	AC	AC	AC		
2018-01-23	AC	AC	AC	AC	AC		
2018-01-24	AC	AC	AC	AC	AC		
2018-01-25	AC	AC	AC	AC	AC		
2018-01-26	AC	AC	AC	AC	AC		
2018-01-27	AC	AC	AC	AC	AC		
2018-01-28	AC	AC	AC	AC	AC		
2018-01-29	AC	AC	AC	AC	AC		
2018-01-30	AC	AC	AC	AC	AC		
2018-01-31	AC	AC	AC	AC	AC		
Minimum	33.0		1.0	11.28	79.6		
Maximum	33.0		1.0	11.28	79.6		
Average	33		1	11.28	79.6		
Count	1		1	1	1		

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.		2018-02-19 09:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	736205	**STATUS:**	Original
FACILITY:	Southerly Wastewater Trtmnt Ctr, NEORSD	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	003
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-01-01 To: 2018-01-31
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		
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
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.		2018-02-19 09:02

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 :**	2018-01-01 To: 2018-01-31

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	2018-01-14	mg/l	SAMPLE NOT ANALYZED DUE TO HOLIDAY
001	Phosphorus, Total (P)	00665	2018-01-14	mg/l	SAMPLE NOT ANALYZED DUE TO HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2018-01-14	mg/l	SAMPLE NOT ANALYZED DUE TO HOLIDAY
002	CBOD 5 day	80082	2018-01-12	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-12	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-24	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-29	mg/l	BLANKS DID NOT MEET QC CRITERIA

801	Water Temperature	00010	2018-01-16	C	Recorded temperature was -0.1 degree C; system would not allow entry of a negative value so 0 was entered instead.

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743054	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	002
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager NEORSD AS
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	Chlorine, Total Residual	
PARAMETER CODE	00530	80082	00051	00052	51428	50060	
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL	mg/l	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total	Grab	
2018-02-01	AC	AC	AC	AC	AC		
2018-02-02	AC	AC	AC	AC	AC		
2018-02-03	AC	AC	AC	AC	AC		
2018-02-04	AC	AC	AC	AC	AC		
2018-02-05	AC	AC	AC	AC	AC		
2018-02-06	AC	AC	AC	AC	AC		
2018-02-07	AC	AC	AC	AC	AC		
2018-02-08	AC	AC	AC	AC	AC		
2018-02-09	AC	AC	AC	AC	AC		
2018-02-10	AC	AC	AC	AC	AC		
2018-02-11	AC	AC	AC	AC	AC		
2018-02-12	AC	AC	AC	AC	AC		
2018-02-13	AC	AC	AC	AC	AC		
2018-02-14	AC	AC	AC	AC	AC		
2018-02-15	AC	AC	AC	AC	AC		
2018-02-16	47	AE	1	8.85	36.4	AA 0.005	
2018-02-17	AC	AC	AC	AC	AC		
2018-02-18	AC	AC	AC	AC	AC		
2018-02-19	18	37	1	7.03	44.5	AA 0.005	
2018-02-20	14	18	0	1.35	3.8		
2018-02-21	AC	AC	AC	AC	AC		
2018-02-22	AC	AC	AC	AC	AC		
2018-02-23	AC	AC	AC	AC	AC		
2018-02-24	AC	AC	AC	AC	AC		
2018-02-25	80	19	1	7.98	36.4		
2018-02-26	AC	AC	AC	AC	AC		
2018-02-27	AC	AC	AC	AC	AC		
2018-02-28	AC	AC	AC	AC	AC		
Minimum	14.0	18.0	0.0	1.35	3.8	0.0	
Maximum	80.0	37.0	1.0	8.85	44.5	0.0	
Average	39.75	24.66667	0.75	6.3025	30.275	0	
Count	4	3	4	4	4	2	

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.		2018-03-16 14:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	743054	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	003
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager NEORSD AS
		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		
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
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.		2018-03-16 14:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Southerly WWTC	PERMIT NUMBER:	*3PF00002*ND*
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-02-01 To: 2018-02-28

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	CBOD 5 day	80082	2018-02-16	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	Chlorine, Total Residual	50060	2018-02-16	mg/l	CEHRT system put into effect.
002	Chlorine, Total Residual	50060	2018-02-19	mg/l	CEHRT system put into effect.
601	CBOD 5 day	80082	2018-02-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-15	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-28	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750887	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	002
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	Chlorine, Total Residual	
PARAMETER CODE	00530	80082	00051	00052	51428	50060	
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL	mg/l	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total	Grab	
2018-03-01	19	19	1	10.57	92.4		
2018-03-02	14	12	0	5.43	23.8		
2018-03-03	AC	AC	AC	AC	AC		
2018-03-04	AC	AC	AC	AC	AC		
2018-03-05	AC	AC	AC	AC	AC		
2018-03-06	AC	AC	AC	AC	AC		
2018-03-07	AC	AC	AC	AC	AC		
2018-03-08	AC	AC	AC	AC	AC		
2018-03-09	AC	AC	AC	AC	AC		
2018-03-10	AC	AC	AC	AC	AC		
2018-03-11	AC	AC	AC	AC	AC		
2018-03-12	AC	AC	AC	AC	AC		
2018-03-13	AC	AC	AC	AC	AC		
2018-03-14	AC	AC	AC	AC	AC		
2018-03-15	AC	AC	AC	AC	AC		
2018-03-16	AC	AC	AC	AC	AC		
2018-03-17	AC	AC	AC	AC	AC		
2018-03-18	AC	AC	AC	AC	AC		
2018-03-19	AC	AC	AC	AC	AC		
2018-03-20	AC	AC	AC	AC	AC		
2018-03-21	AC	AC	AC	AC	AC		
2018-03-22	AC	AC	AC	AC	AC		
2018-03-23	AC	AC	AC	AC	AC		
2018-03-24	AC	AC	AC	AC	AC		
2018-03-25	AC	AC	AC	AC	AC		
2018-03-26	AC	AC	AC	AC	AC		
2018-03-27	AC	AC	AC	AC	AC		
2018-03-28	AC	AC	AC	AC	AC		
2018-03-29	34	27	1	6.92	55.7	AA 0.005	
2018-03-30	19	AE	0	8.35	41.4		
2018-03-31	AC	AC	AC	AC	AC		
Minimum	14.0	12.0	0.0	5.43	23.8	0.0	
Maximum	34.0	27.0	1.0	10.57	92.4	0.0	
Average	21.5	19.33333	0.5	7.8175	53.325	0	
Count	4	3	4	4	4	1	

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.		2018-04-18 13:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	750887	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	003
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
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.		2018-04-18 13:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Southerly WWTC	PERMIT NUMBER:	*3PF00002*ND*
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-03-01 To: 2018-03-31

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	Orthophosphate, Dissolved (as P)	00671	2018-03-20	mg/l	Sample passed holding time
002	CBOD 5 day	80082	2018-03-30	mg/l	Blanks did not meet QC Criteria
601	CBOD 5 day	80082	2018-03-04	mg/l	Blanks did not meet QC Criteria
601	CBOD 5 day	80082	2018-03-06	mg/l	Blanks did not meet QC Criteria
601	CBOD 5 day	80082	2018-03-19	mg/l	Blanks did not meet QC Criteria
601	CBOD 5 day	80082	2018-03-30	mg/l	Blanks did not meet QC Criteria

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758111	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	002
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	Chlorine, Total Residual	
PARAMETER CODE	00530	80082	00051	00052	51428	50060	
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL	mg/l	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total	Grab	
2018-04-01	AC	AC	AC	AC	AC	AC	
2018-04-02	AC	AC	AC	AC	AC	AC	
2018-04-03	35	AE	1	0.33	1.5	AC	
2018-04-04	44	AE	0	7.70	43.3	AA 0.005	
2018-04-05	AC	AC	AC	AC	AC	AC	
2018-04-06	AC	AC	AC	AC	AC	AC	
2018-04-07	AC	AC	AC	AC	AC	AC	
2018-04-08	AC	AC	AC	AC	AC	AC	
2018-04-09	AC	AC	AC	AC	AC	AC	
2018-04-10	AC	AC	AC	AC	AC	AC	
2018-04-11	AC	AC	AC	AC	AC	AC	
2018-04-12	AC	AC	AC	AC	AC	AC	
2018-04-13	AC	AC	AC	AC	AC	AC	
2018-04-14	AC	AC	AC	AC	AC	AC	
2018-04-15	30	15	1	13.92	158.9	AC	
2018-04-16	30	16	0	13.58	109.9	AC	
2018-04-17	AC	AC	AC	AC	AC	AC	
2018-04-18	AC	AC	AC	AC	AC	AC	
2018-04-19	AC	AC	AC	AC	AC	AC	
2018-04-20	AC	AC	AC	AC	AC	AC	
2018-04-21	AC	AC	AC	AC	AC	AC	
2018-04-22	AC	AC	AC	AC	AC	AC	
2018-04-23	AC	AC	AC	AC	AC	AC	
2018-04-24	AC	AC	AC	AC	AC	AC	
2018-04-25	AC	AC	AC	AC	AC	AC	
2018-04-26	AC	AC	AC	AC	AC	AC	
2018-04-27	AC	AC	AC	AC	AC	AC	
2018-04-28	AC	AC	AC	AC	AC	AC	
2018-04-29	AC	AC	AC	AC	AC	AC	
2018-04-30	AC	AC	AC	AC	AC	AC	
Minimum	30.0	15.0	0.0	0.33	1.5	0.0	
Maximum	44.0	16.0	1.0	13.92	158.9	0.0	
Average	34.75	15.5	0.5	8.8825	78.4	0	
Count	4	2	4	4	4	1	

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.		2018-05-17 10:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758111	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	003
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-04-01							
2018-04-02							
2018-04-03							
2018-04-04							
2018-04-05							
2018-04-06							
2018-04-07							
2018-04-08							
2018-04-09							
2018-04-10							
2018-04-11							
2018-04-12							
2018-04-13							
2018-04-14							
2018-04-15							
2018-04-16							
2018-04-17							
2018-04-18							
2018-04-19							
2018-04-20							
2018-04-21							
2018-04-22							
2018-04-23							
2018-04-24							
2018-04-25							
2018-04-26							
2018-04-27							
2018-04-28							
2018-04-29							
2018-04-30							
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.		2018-05-17 10:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Southerly WWTC	PERMIT NUMBER:	*3PF00002*ND*
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	MONITORING PERIOD :	2018-04-01 To: 2018-04-30

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	2018-04-17	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-04-28	mg/l	STANDARD DID NOT MEET QC CRITERIA
001	Cyanide, Free (Low-Level)	51173	2018-04-17	ug/l	BLANKS DID NOT MEET QC CRITERIA
001	E. coli	31648	2018-04-27	#/100 ml	SAMPLE NOT ANALYZED DUE TO LABORATORY ERROR
001	E. coli	31648	2018-04-28	#/100 ml	SAMPLE NOT ANALYZED DUE TO LABORATORY ERROR
001	E. coli	31648	2018-04-29	#/100 ml	SAMPLE NOT ANALYZED DUE TO LABORATORY ERROR
002	CBOD 5 day	80082	2018-04-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2018-04-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-08	mg/l	BLANKS DID NOT MEET QC CRITERIA

601	CBOD 5 day	80082	2018-04-10	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-17	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-19	mg/l	STANDARD DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-23	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-24	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-28	mg/l	STANDARD DID NOT MEET QC CRITERIA
901	Cyanide, Free	00719	2018-04-17	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	765553	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	002
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-05-01	AC	AC	AC	AC	AC		
2018-05-02	AC	AC	AC	AC	AC		
2018-05-03	AC	AC	AC	AC	AC		
2018-05-04	AC	AC	AC	AC	AC		
2018-05-05	AC	AC	AC	AC	AC		
2018-05-06	AC	AC	AC	AC	AC		
2018-05-07	AC	AC	AC	AC	AC		
2018-05-08	AC	AC	AC	AC	AC		
2018-05-09	AC	AC	AC	AC	AC		
2018-05-10	AC	AC	AC	AC	AC		
2018-05-11	AC	AC	AC	AC	AC		
2018-05-12	AC	AC	AC	AC	AC		
2018-05-13	AC	AC	AC	AC	AC		
2018-05-14	AC	AC	AC	AC	AC		
2018-05-15	AC	AC	AC	AC	AC		
2018-05-16	AC	AC	AC	AC	AC		
2018-05-17	AC	AC	AC	AC	AC		
2018-05-18	AC	AC	AC	AC	AC		
2018-05-19	70	AE	1	6.52	37.1		
2018-05-20	67	AE	0	4.67	22.9		
2018-05-21	AC	AC	AC	AC	AC		
2018-05-22	38	15	1	20.35	95.5		
2018-05-23	AC	AC	AC	AC	AC		
2018-05-24	AC	AC	AC	AC	AC		
2018-05-25	AC	AC	AC	AC	AC		
2018-05-26	AC	AC	AC	AC	AC		
2018-05-27	AC	AC	AC	AC	AC		
2018-05-28	AC	AC	AC	AC	AC		
2018-05-29	AC	AC	AC	AC	AC		
2018-05-30	AC	AC	AC	AC	AC		
2018-05-31	AC	AC	AC	AC	AC		
Minimum	38.0	15.0	0.0	4.67	22.9		
Maximum	70.0	15.0	1.0	20.35	95.5		
Average	58.33333	15	0.66667	10.51333	51.83333		
Count	3	1	3	3	3		

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.		2018-06-18 15:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	765553	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	003
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-05-01							
2018-05-02							
2018-05-03							
2018-05-04							
2018-05-05							
2018-05-06							
2018-05-07							
2018-05-08							
2018-05-09							
2018-05-10							
2018-05-11							
2018-05-12							
2018-05-13							
2018-05-14							
2018-05-15							
2018-05-16							
2018-05-17							
2018-05-18							
2018-05-19							
2018-05-20							
2018-05-21							
2018-05-22							
2018-05-23							
2018-05-24							
2018-05-25							
2018-05-26							
2018-05-27							
2018-05-28							
2018-05-29							
2018-05-30							
2018-05-31							
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.		2018-06-18 15:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Southerly WWTC	PERMIT NUMBER:	*3PF00002*ND*
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	MONITORING PERIOD :	2018-05-01 To: 2018-05-31

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	CBOD 5 day	80082	2018-05-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2018-05-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-30	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	773688	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	002
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-06-01 To: 2018-06-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis- Muth Acting Manager
		NO DISCHARGE INDICATOR:	

PARAMETER	Total Suspended Solids	CBOD 5 day	Bypass Occurrence	Bypass Total Hours Per Day	Bypass Volume	Chlorine, Total Residual	
PARAMETER CODE	00530	80082	00051	00052	51428	50060	
UNITS	mg/l	mg/l	No./Day	Hrs/Day	MGAL	mg/l	
FREQUENCY	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	When Disch.	
SAMPLING TYPE	Grab	Grab	24hr Total	24hr Total	24hr Total	Grab	
2018-06-01	AC	AC	AC	AC	AC		
2018-06-02	AC	AC	AC	AC	AC		
2018-06-03	AC	AC	AC	AC	AC		
2018-06-04	AC	AC	AC	AC	AC		
2018-06-05	AC	AC	AC	AC	AC		
2018-06-06	AC	AC	AC	AC	AC		
2018-06-07	AC	AC	AC	AC	AC		
2018-06-08	AC	AC	AC	AC	AC		
2018-06-09	AC	AC	AC	AC	AC		
2018-06-10	AC	AC	AC	AC	AC		
2018-06-11	AC	AC	AC	AC	AC		
2018-06-12	AC	AC	AC	AC	AC		
2018-06-13	AC	AC	AC	AC	AC		
2018-06-14	AC	AC	AC	AC	AC		
2018-06-15	AC	AC	AC	AC	AC		
2018-06-16	AC	AC	AC	AC	AC		
2018-06-17	AC	AC	AC	AC	AC		
2018-06-18	AC	AC	AC	AC	AC		
2018-06-19	63	41	1	2.03	13.0	AH	
2018-06-20	AC	AC	AC	AC	AC		
2018-06-21	AC	AC	AC	AC	AC		
2018-06-22	AC	AC	AC	AC	AC		
2018-06-23	AC	AC	AC	AC	AC		
2018-06-24	AC	AC	AC	AC	AC		
2018-06-25	AC	AC	AC	AC	AC		
2018-06-26	AC	AC	AC	AC	AC		
2018-06-27	AC	AC	AC	AC	AC		
2018-06-28	AC	AC	AC	AC	AC		
2018-06-29	AC	AC	AC	AC	AC		
2018-06-30	AC	AC	AC	AC	AC		
Minimum	63.0	41.0	1.0	2.03	13.0		
Maximum	63.0	41.0	1.0	2.03	13.0		
Average	63	41	1	2.03	13		
Count	1	1	1	1	1		

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.		2018-07-19 12:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	773688	**STATUS:**	Original
FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road	**STATION CODE:**	003
	Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-06-01 To: 2018-06-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis- Muth Acting Manager
		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		
2018-06-01							
2018-06-02							
2018-06-03							
2018-06-04							
2018-06-05							
2018-06-06							
2018-06-07							
2018-06-08							
2018-06-09							
2018-06-10							
2018-06-11							
2018-06-12							
2018-06-13							
2018-06-14							
2018-06-15							
2018-06-16							
2018-06-17							
2018-06-18							
2018-06-19							
2018-06-20							
2018-06-21							
2018-06-22							
2018-06-23							
2018-06-24							
2018-06-25							
2018-06-26							
2018-06-27							
2018-06-28							
2018-06-29							
2018-06-30							
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.		2018-07-19 12:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Southerly WWTC	**PERMIT NUMBER:**	***3PF00002*ND***
LOCATION:	6000 Canal Road Cuyahoga Heights, OH 44124	**MONITORING PERIOD :**	2018-06-01 To: 2018-06-30

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	2018-06-03	mg/l	QUALITY CONTROL NOT FOLLOWED
002	Chlorine, Total Residual	50060	2018-06-19	mg/l	SAMPLE NOT COLLECTED
601	CBOD 5 day	80082	2018-06-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-03	mg/l	QUALITY CONTROL NOT FOLLOWED
601	CBOD 5 day	80082	2018-06-10	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-11	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-23	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-30	mg/l	BLANKS DID NOT MEET QC CRITERIA

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
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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:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	1/12/18 From 09:30hrs to 20:47hrs
Date and time discharge discovered:	1/12/18 @ 09:30hrs
Description of discharge	
Approximate amount of discharge:	79.60 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:	**Eric Tanko**
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:	

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Non-compliance Notification for
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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	2/16/18 @ 01:00 to 2/16/18 @ 09:51
Date and time discharge discovered:	2/16/18 @ 01:00
Description of discharge	
Approximate amount of discharge:	36.39 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:	Mike Mencl
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
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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	2/19/18 @ 16:57hrs. to 2/20/18 @ 01:21 hrs.
Date and time discharge discovered:	2/19/18 @ 16:57hrs.
Description of discharge	
Approximate amount of discharge:	48.33 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:	**Jeffrey Seaman**
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
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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	2/25/18 @ 03:38hrs. to 2/25/18 @ 11:37 hrs.
Date and time discharge discovered:	2/25/18 @ 03:38hrs.
Description of discharge	
Approximate amount of discharge:	36.39 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:	**Jeffrey Seaman**
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
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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Kevin Zebrowski
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	03/01/2018 @ 13:26hrs to 03/02/2018 @ 05:26hrs
Date and time discharge discovered:	03/01/2018 @ 13:26hrs
Description of discharge	
Approximate amount of discharge:	116.15MG
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

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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Tracey Phelps
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	03/29/18 @ 17:05hrs. to 03/30/18 @ 08:21hrs
Date and time discharge discovered:	03/29/18 @ 17:05hrs.
Description of discharge	
Approximate amount of discharge:	97.09MG
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
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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Tracey Phelps
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	4/03/2018 @ 2340 to 0742 on 4/4/2018
Date and time discharge discovered:	4/03/2018 @ 2340
Description of discharge	
Approximate amount of discharge:	44.74 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

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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Tracey Phelps
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	4/15/18 @ 10:05 hrs. to 4/16/18 @ 13:35 hrs.
Date and time discharge discovered:	4/15/18 @ 10:05 hrs.
Description of discharge	
Approximate amount of discharge:	268.75 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:	**Michael Mencl**
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

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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Terry Robinson
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	5/19/18 @ 17:29hrs. to 5/20/19 @ 04:40hrs.
Date and time discharge discovered:	5/19/18 @ 17:29hrs.
Description of discharge	
Approximate amount of discharge:	60.03 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:	**Jeffrey Seaman**
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
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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Terry Robinson
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	5/22/18 @ 02:31hrs. to 5/22/19 @ 22:52hrs.
Date and time discharge discovered:	5/22/18 @ 02:31hrs.
Description of discharge	
Approximate amount of discharge:	95.54 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
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Permittee Information	
Name of permittee:	NEORSD- Southerly WWTP
NPDES Permit number:	3PF00002*ND
Contact name for permittee:	Terry Robinson
Contact telephone number:	(216) 641-3200
Date and time of discharge	
Date and time(s) of discharge:	6/19/2018 @ 0317 to 6/19/2018 @ 0519
Date and time discharge discovered:	6/19/2018 @ 0317
Description of discharge	
Approximate amount of discharge:	13.00 MG
Characteristics of discharge:	Settled Sewage **at Outfall 002**
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:	

Westerly WWTC 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:	736110	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	002
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-01-01 To: 2018-01-31
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		
2018-01-01	AC	AC	AC	AC	AC		
2018-01-02	AC	AC	AC	AC	AC		
2018-01-03	AC	AC	AC	AC	AC		
2018-01-04	AC	AC	AC	AC	AC		
2018-01-05	AC	AC	AC	AC	AC		
2018-01-06	AC	AC	AC	AC	AC		
2018-01-07	AC	AC	AC	AC	AC		
2018-01-08	AC	AC	AC	AC	AC		
2018-01-09	AC	AC	AC	AC	AC		
2018-01-10	AC	AC	AC	AC	AC		
2018-01-11	AC	AC	AC	AC	AC		
2018-01-12	90	AE	1	8.5	4.10		
2018-01-13	AC	AC	AC	AC	AC		
2018-01-14	AC	AC	AC	AC	AC		
2018-01-15	AC	AC	AC	AC	AC		
2018-01-16	AC	AC	AC	AC	AC		
2018-01-17	AC	AC	AC	AC	AC		
2018-01-18	AC	AC	AC	AC	AC		
2018-01-19	AC	AC	AC	AC	AC		
2018-01-20	AC	AC	AC	AC	AC		
2018-01-21	AC	AC	AC	AC	AC		
2018-01-22	AC	AC	AC	AC	AC		
2018-01-23	AC	AC	AC	AC	AC		
2018-01-24	AC	AC	AC	AC	AC		
2018-01-25	AC	AC	AC	AC	AC		
2018-01-26	AC	AC	AC	AC	AC		
2018-01-27	AC	AC	AC	AC	AC		
2018-01-28	AC	AC	AC	AC	AC		
2018-01-29	AC	AC	AC	AC	AC		
2018-01-30	AC	AC	AC	AC	AC		
2018-01-31	AC	AC	AC	AC	AC		
Minimum	90.0		1.0	8.5	4.1		
Maximum	90.0		1.0	8.5	4.1		
Average	90		1	8.5	4.1		
Count	1		1	1	1		

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.		2018-02-19 07:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	736110	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	602
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-01-01 To: 2018-01-31
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		
2018-01-01							
2018-01-02							
2018-01-03							
2018-01-04							
2018-01-05							
2018-01-06							
2018-01-07							
2018-01-08							
2018-01-09							
2018-01-10							
2018-01-11							
2018-01-12							
2018-01-13							
2018-01-14							
2018-01-15							
2018-01-16							
2018-01-17							
2018-01-18							
2018-01-19							
2018-01-20							
2018-01-21							
2018-01-22							
2018-01-23							
2018-01-24							
2018-01-25							
2018-01-26							
2018-01-27							
2018-01-28							
2018-01-29							
2018-01-30							
2018-01-31							
Minimum							
Maximum							
Average							
Count							

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.		2018-02-19 07:02

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Westerly WWTP	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**MONITORING PERIOD :**	2018-01-01 To: 2018-01-31

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	2018-01-14	mg/l	SAMPLE NOT ANALYZED DUE TO HOLIDAY
001	CBOD 5 day	80082	2018-01-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-01-12	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-01-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	Phosphorus, Total (P)	00665	2018-01-14	mg/l	SAMPLE NOT ANALYZED DUE TO HOLIDAY
001	Nitrite Plus Nitrate, Total	00630	2018-01-14	mg/l	SAMPLE NOT ANALYZED DUE TO HOLIDAY
002	CBOD 5 day	80082	2018-01-12	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-12	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-24	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-01-29	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	742978	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	002
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager NEORSD AS
		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		
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
Minimum							
Maximum							
Average							
Count							

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.		2018-03-16 12:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	742978	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	602
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-02-01 To: 2018-02-28
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager NEORSD AS
		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		
2018-02-01							
2018-02-02							
2018-02-03							
2018-02-04							
2018-02-05							
2018-02-06							
2018-02-07							
2018-02-08							
2018-02-09							
2018-02-10							
2018-02-11							
2018-02-12							
2018-02-13							
2018-02-14							
2018-02-15							
2018-02-16							
2018-02-17							
2018-02-18							
2018-02-19							
2018-02-20							
2018-02-21							
2018-02-22							
2018-02-23							
2018-02-24							
2018-02-25							
2018-02-26							
2018-02-27							
2018-02-28							
Minimum							
Maximum							
Average							
Count							

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.		2018-03-16 12:03

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Westerly WWTC	PERMIT NUMBER:	*3PE00001*PD*
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**MONITORING PERIOD :**	2018-02-01 To: 2018-02-28

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	2018-02-15	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-02-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-02-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-02-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-02-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-02-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-06	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-15	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-27	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-02-28	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	751170	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	002
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-03-01	39	AE	1	23.3	8.20		
2018-03-02	AC	AC	AC	AC	AC		
2018-03-03	AC	AC	AC	AC	AC		
2018-03-04	AC	AC	AC	AC	AC		
2018-03-05	AC	AC	AC	AC	AC		
2018-03-06	AC	AC	AC	AC	AC		
2018-03-07	AC	AC	AC	AC	AC		
2018-03-08	AC	AC	AC	AC	AC		
2018-03-09	AC	AC	AC	AC	AC		
2018-03-10	AC	AC	AC	AC	AC		
2018-03-11	AC	AC	AC	AC	AC		
2018-03-12	AC	AC	AC	AC	AC		
2018-03-13	AC	AC	AC	AC	AC		
2018-03-14	AC	AC	AC	AC	AC		
2018-03-15	AC	AC	AC	AC	AC		
2018-03-16	AC	AC	AC	AC	AC		
2018-03-17	AC	AC	AC	AC	AC		
2018-03-18	AC	AC	AC	AC	AC		
2018-03-19	AC	AC	AC	AC	AC		
2018-03-20	AC	AC	AC	AC	AC		
2018-03-21	AC	AC	AC	AC	AC		
2018-03-22	AC	AC	AC	AC	AC		
2018-03-23	AC	AC	AC	AC	AC		
2018-03-24	AC	AC	AC	AC	AC		
2018-03-25	AC	AC	AC	AC	AC		
2018-03-26	AC	AC	AC	AC	AC		
2018-03-27	AC	AC	AC	AC	AC		
2018-03-28	AC	AC	AC	AC	AC		
2018-03-29	88	31	1	15.6	5.90		
2018-03-30	49	20	0	17.5	8.90		
2018-03-31	AC	AC	AC	AC	AC		
Minimum	39.0	20.0	0.0	15.6	5.9		
Maximum	88.0	31.0	1.0	23.3	8.9		
Average	58.66667	25.5	0.66667	18.8	7.66667		
Count	3	2	3	3	3		

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Deborah Klosz	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.		2018-04-19 11:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	751170	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	602
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-03-01 To: 2018-03-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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		
2018-03-01							
2018-03-02							
2018-03-03							
2018-03-04							
2018-03-05							
2018-03-06							
2018-03-07							
2018-03-08							
2018-03-09							
2018-03-10							
2018-03-11							
2018-03-12							
2018-03-13							
2018-03-14							
2018-03-15							
2018-03-16							
2018-03-17							
2018-03-18							
2018-03-19							
2018-03-20							
2018-03-21							
2018-03-22							
2018-03-23							
2018-03-24							
2018-03-25							
2018-03-26							
2018-03-27							
2018-03-28							
2018-03-29							
2018-03-30							
2018-03-31							
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Deborah Klosz	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.		2018-04-19 11:04

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**MONITORING PERIOD :**	2018-03-01 To: 2018-03-31

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	CBOD 5 day	80082	2018-03-01	mg/l	Blanks did not meet qc criteria.
585	Arsenic, Total In Sludge	01003	2018-03-05	mg/kg	Solids unit down for 24 hrs.
585	Arsenic, Total In Sludge	01003	2018-03-19	mg/kg	Solids unit down for 24 hrs.
585	Beryllium, Total In Sludge	01013	2018-03-05	mg/kg	Solids unit down for 24 hrs.
585	Beryllium, Total In Sludge	01013	2018-03-19	mg/kg	Solids unit down for 24 hrs.
585	Cadmium, Total In Sludge	01028	2018-03-05	mg/kg	Solids unit down for 24 hrs.
585	Cadmium, Total In Sludge	01028	2018-03-19	mg/kg	Solids unit down for 24 hrs.
585	Chromium, Total In Sludge	01029	2018-03-05	mg/kg	Solids unit down for 24 hrs.
585	Chromium, Total In Sludge	01029	2018-03-19	mg/kg	Solids unit down for 24 hrs.
585	Lead, Total In Sludge	01052	2018-03-05	mg/kg	Solids unit down for 24 hrs.
585	Lead, Total In Sludge	01052	2018-03-19	mg/kg	Solids unit down for 24 hrs.
585	Nickel, Total In Sludge	01068	2018-03-05	mg/kg	Solids unit down for 24 hrs.
585	Nickel, Total In Sludge	01068	2018-03-19	mg/kg	Solids unit down for 24 hrs.
585	Mercury, Total In Sludge	71921	2018-03-05	mg/kg	Solids unit down for 24 hrs.
585	Mercury, Total In Sludge	71921	2018-03-19	mg/kg	Solids unit down for 24 hrs.
601	CBOD 5 day	80082	2018-03-04	mg/l	Blanks did not meet qc criteria
601	CBOD 5 day	80082	2018-03-06	mg/l	Blanks did not meet qc criteria
601	CBOD 5 day	80082	2018-03-19	mg/l	Blanks did not meet qc criteria

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758420	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	002
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	heryl Soltis-Muth Acting Manager
		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		
2018-04-01	AC	AC	AC	AC	AC		
2018-04-02	AC	AC	AC	AC	AC		
2018-04-03	195	AE	1	6.5	0.50		
2018-04-04	1360	AE	0	18.8	4.80		
2018-04-05	AC	AC	AC	AC	AC		
2018-04-06	AC	AC	AC	AC	AC		
2018-04-07	AC	AC	AC	AC	AC		
2018-04-08	AC	AC	AC	AC	AC		
2018-04-09	AC	AC	AC	AC	AC		
2018-04-10	AC	AC	AC	AC	AC		
2018-04-11	AC	AC	AC	AC	AC		
2018-04-12	AC	AC	AC	AC	AC		
2018-04-13	AC	AC	AC	AC	AC		
2018-04-14	AC	AC	AC	AC	AC		
2018-04-15	51	AA 2	1	103.5	14.00		
2018-04-16	42	AA 2	0	111.9	21.40		
2018-04-17	AC	AC	AC	AC	AC		
2018-04-18	AC	AC	AC	AC	AC		
2018-04-19	AC	AC	AC	AC	AC		
2018-04-20	AC	AC	AC	AC	AC		
2018-04-21	AC	AC	AC	AC	AC		
2018-04-22	AC	AC	AC	AC	AC		
2018-04-23	AC	AC	AC	AC	AC		
2018-04-24	AC	AC	AC	AC	AC		
2018-04-25	AC	AC	AC	AC	AC		
2018-04-26	AC	AC	AC	AC	AC		
2018-04-27	AC	AC	AC	AC	AC		
2018-04-28	AC	AC	AC	AC	AC		
2018-04-29	AC	AC	AC	AC	AC		
2018-04-30	AC	AC	AC	AC	AC		
Minimum	42.0	0.0	0.0	6.5	0.5		
Maximum	1360.0	0.0	1.0	111.9	21.4		
Average	412	0	0.5	60.175	10.175		
Count	4	2	4	4	4		

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Deborah Klosz	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.		2018-05-18 08:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	758420	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	602
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-04-01 To: 2018-04-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	heryl Soltis-Muth Acting Manager
		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	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2018-04-01	AC	AC	AC	AC	AC		
2018-04-02	AC	AC	AC	AC	AC		
2018-04-03	AC	AC	AC	AC	AC		
2018-04-04	AC	AC	AC	AC	AC		
2018-04-05	AC	AC	AC	AC	AC		
2018-04-06	AC	AC	AC	AC	AC		
2018-04-07	AC	AC	AC	AC	AC		
2018-04-08	AC	AC	AC	AC	AC		
2018-04-09	AC	AC	AC	AC	AC		
2018-04-10	AC	AC	AC	AC	AC		
2018-04-11	AC	AC	AC	AC	AC		
2018-04-12	AC	AC	AC	AC	AC		
2018-04-13	AC	AC	AC	AC	AC		
2018-04-14	AC	AC	AC	AC	AC		
2018-04-15	AC	AC	AC	AC	AC		
2018-04-16	AC	AC	AC	AC	AC		
2018-04-17	AC	AC	AC	AC	AC		
2018-04-18	AC	AC	AC	AC	AC		
2018-04-19	AC	AC	AC	AC	AC		
2018-04-20	AC	AC	AC	AC	AC		
2018-04-21	AC	AC	AC	AC	AC		
2018-04-22	AC	AC	AC	AC	AC		
2018-04-23	AC	AC	AC	AC	AC		
2018-04-24	AC	AC	AC	AC	AC		
2018-04-25	AC	AC	AC	AC	AC		
2018-04-26	AC	AC	AC	AC	AC		
2018-04-27	AC	AC	AC	AC	AC		
2018-04-28	AC	AC	AC	AC	AC		
2018-04-29	AC	AC	AC	AC	AC		
2018-04-30	AC	AC	AC	AC	AC		
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Deborah Klosz	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.		2018-05-18 08:05

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Westerly WWTC	PERMIT NUMBER:	*3PE00001*PD*
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**MONITORING PERIOD :**	2018-04-01 To: 2018-04-30

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	2018-04-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-04-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-04-17	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-04-23	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-04-24	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-04-28	mg/l	STANDARD DID NOT MEET QC CRITERIA
001	E. coli	31648	2018-04-27	#/100 ml	SAMPLE NOT ANALYZED DUE TO LABORATORY ERROR
001	E. coli	31648	2018-04-28	#/100 ml	SAMPLE NOT ANALYZED DUE TO LABORATORY ERROR
001	E. coli	31648	2018-04-29	#/100 ml	SAMPLE NOT ANALYZED DUE TO LABORATORY ERROR
002	CBOD 5 day	80082	2018-04-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	CBOD 5 day	80082	2018-04-04	mg/l	BLANKS DID NOT MEET QC CRITERIA
585	Arsenic, Total In Sludge	01003	2018-04-16	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Arsenic, Total In Sludge	01003	2018-04-30	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.

585	Beryllium, Total In Sludge	01013	2018-04-16	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Beryllium, Total In Sludge	01013	2018-04-30	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Cadmium, Total In Sludge	01028	2018-04-16	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Cadmium, Total In Sludge	01028	2018-04-30	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Chromium, Total In Sludge	01029	2018-04-16	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Chromium, Total In Sludge	01029	2018-04-30	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Lead, Total In Sludge	01052	2018-04-16	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Lead, Total In Sludge	01052	2018-04-30	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Nickel, Total In Sludge	01068	2018-04-16	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Nickel, Total In Sludge	01068	2018-04-30	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Mercury, Total In Sludge	71921	2018-04-16	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
585	Mercury, Total In Sludge	71921	2018-04-30	mg/kg	SOLIDS UNIT DOWN FOR 24 HRS.
601	CBOD 5 day	80082	2018-04-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-03	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-05	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-08	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-10	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-17	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-19	mg/l	STANDARD DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-23	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-24	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-04-28	mg/l	STANDARD DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764634	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	002
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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	
2018-05-01	AC	AC	AC	AC	AC	AC	
2018-05-02	AC	AC	AC	AC	AC	AC	
2018-05-03	805000	132	45	1	1.2	1.80	
2018-05-04	AC	AC	AC	AC	AC	AC	
2018-05-05	AC	AC	AC	AC	AC	AC	
2018-05-06	AC	AC	AC	AC	AC	AC	
2018-05-07	AC	AC	AC	AC	AC	AC	
2018-05-08	AC	AC	AC	AC	AC	AC	
2018-05-09	AC	AC	AC	AC	AC	AC	
2018-05-10	AC	AC	AC	AC	AC	AC	
2018-05-11	AC	AC	AC	AC	AC	AC	
2018-05-12	AC	AC	AC	AC	AC	AC	
2018-05-13	356450	176	39	1	7.6	2.70	
2018-05-14	AC	AC	AC	AC	AC	AC	
2018-05-15	AC	AC	AC	AC	AC	AC	
2018-05-16	AC	AC	AC	AC	AC	AC	
2018-05-17	AC	AC	AC	AC	AC	AC	
2018-05-18	AC	AC	AC	AC	AC	AC	
2018-05-19	AH	302	AE	1	5.9	0.90	
2018-05-20	AC	AC	AC	AC	AC	AC	
2018-05-21	AC	AC	AC	AC	AC	AC	
2018-05-22	AC	AC	AC	AC	AC	AC	
2018-05-23	AC	AC	AC	AC	AC	AC	
2018-05-24	AC	AC	AC	AC	AC	AC	
2018-05-25	AC	AC	AC	AC	AC	AC	
2018-05-26	AC	AC	AC	AC	AC	AC	
2018-05-27	AC	AC	AC	AC	AC	AC	
2018-05-28	AC	AC	AC	AC	AC	AC	
2018-05-29	AC	AC	AC	AC	AC	AC	
2018-05-30	AC	AC	AC	AC	AC	AC	
2018-05-31	AC	AC	AC	AC	AC	AC	
Minimum	356450.0	132.0	39.0	1.0	1.2	0.9	
Maximum	805000.0	302.0	45.0	1.0	7.6	2.7	
Average	580725	203.33333	42	1	4.9	1.8	
Count	2	3	2	3	3	3	

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Deborah Klosz	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.		2018-06-14 14:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	764634	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	602
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-05-01 To: 2018-05-31
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis-Muth Acting Manager
		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	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2018-05-01	AC	AC	AC	AC	AC		
2018-05-02	AC	AC	AC	AC	AC		
2018-05-03	AC	AC	AC	AC	AC		
2018-05-04	AC	AC	AC	AC	AC		
2018-05-05	AC	AC	AC	AC	AC		
2018-05-06	AC	AC	AC	AC	AC		
2018-05-07	AC	AC	AC	AC	AC		
2018-05-08	AC	AC	AC	AC	AC		
2018-05-09	AC	AC	AC	AC	AC		
2018-05-10	AC	AC	AC	AC	AC		
2018-05-11	AC	AC	AC	AC	AC		
2018-05-12	AC	AC	AC	AC	AC		
2018-05-13	AC	AC	AC	AC	AC		
2018-05-14	AC	AC	AC	AC	AC		
2018-05-15	AC	AC	AC	AC	AC		
2018-05-16	AC	AC	AC	AC	AC		
2018-05-17	AC	AC	AC	AC	AC		
2018-05-18	AC	AC	AC	AC	AC		
2018-05-19	AC	AC	AC	AC	AC		
2018-05-20	AC	AC	AC	AC	AC		
2018-05-21	AC	AC	AC	AC	AC		
2018-05-22	AC	AC	AC	AC	AC		
2018-05-23	AC	AC	AC	AC	AC		
2018-05-24	AC	AC	AC	AC	AC		
2018-05-25	AC	AC	AC	AC	AC		
2018-05-26	AC	AC	AC	AC	AC		
2018-05-27	AC	AC	AC	AC	AC		
2018-05-28	AC	AC	AC	AC	AC		
2018-05-29	AC	AC	AC	AC	AC		
2018-05-30	AC	AC	AC	AC	AC		
2018-05-31	AC	AC	AC	AC	AC		
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Deborah Klosz	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.		2018-06-14 14:06

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Westerly WWTC	PERMIT NUMBER:	*3PE00001*PD*
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**MONITORING PERIOD :**	2018-05-01 To: 2018-05-31

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	2018-05-03	#/100 ml	NOT REPORTED DUE TO LABORATORY ANALYSIS ERROR
001	CBOD 5 day	80082	2018-05-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-05-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
001	CBOD 5 day	80082	2018-05-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
002	E. coli	31648	2018-05-19	#/100 ml	NOT REPORTED DUE TO LABORATORY ANALYSIS ERROR
002	CBOD 5 day	80082	2018-05-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-13	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-14	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-19	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-25	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-05-30	mg/l	BLANKS DID NOT MEET QC CRITERIA

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	773116	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	002
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-06-01 To: 2018-06-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis- Muth Acting Manager
		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	
2018-06-01	AC	AC	AC	AC	AC	AC	
2018-06-02	AC	AC	AC	AC	AC	AC	
2018-06-03	AH	348	AE	1	6.5	1.00	
2018-06-04	AC	AC	AC	AC	AC	AC	
2018-06-05	AC	AC	AC	AC	AC	AC	
2018-06-06	AC	AC	AC	AC	AC	AC	
2018-06-07	AC	AC	AC	AC	AC	AC	
2018-06-08	AC	AC	AC	AC	AC	AC	
2018-06-09	AC	AC	AC	AC	AC	AC	
2018-06-10	AC	AC	AC	AC	AC	AC	
2018-06-11	AC	AC	AC	AC	AC	AC	
2018-06-12	AC	AC	AC	AC	AC	AC	
2018-06-13	AC	AC	AC	AC	AC	AC	
2018-06-14	AC	AC	AC	AC	AC	AC	
2018-06-15	AC	AC	AC	AC	AC	AC	
2018-06-16	AC	AC	AC	AC	AC	AC	
2018-06-17	AC	AC	AC	AC	AC	AC	
2018-06-18	AC	AC	AC	AC	AC	AC	
2018-06-19	95600	123	12	1	22.2	4.00	
2018-06-20	AC	AC	AC	AC	AC	AC	
2018-06-21	AC	AC	AC	AC	AC	AC	
2018-06-22	AC	AC	AC	AC	AC	AC	
2018-06-23	AC	AC	AC	AC	AC	AC	
2018-06-24	AC	AC	AC	AC	AC	AC	
2018-06-25	AC	AC	AC	AC	AC	AC	
2018-06-26	AC	AC	AC	AC	AC	AC	
2018-06-27	AC	AC	AC	AC	AC	AC	
2018-06-28	AC	AC	AC	AC	AC	AC	
2018-06-29	AC	AC	AC	AC	AC	AC	
2018-06-30	AC	AC	AC	AC	AC	AC	
Minimum	95600.0	123.0	12.0	1.0	6.5	1.0	
Maximum	95600.0	348.0	12.0	1.0	22.2	4.0	
Average	95600	235.5	12	1	14.35	2.5	
Count	1	2	1	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
Deborah Klosz			2018-07-18 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

SUBMISSION ID:	773116	**STATUS:**	Original
FACILITY:	NEORSD Westerly WWTC	**PERMIT NUMBER:**	***3PE00001*PD***
LOCATION:	5800 Cleveland Memorial Shoreway NW	**STATION CODE:**	602
	Cleveland, OH 44115	**MONITORING PERIOD :**	2018-06-01 To: 2018-06-30
COUNTY:	Cuyahoga	**REPORTING LAB:**	NEORSD Analytical Services
DISTRICT:	NEDO	**ANALYST:**	Cheryl Soltis- Muth Acting Manager
		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	24hr Composite	24hr Composite	24hr Total	24hr Total	24hr Total		
2018-06-01	AC	AC	AC	AC	AC		
2018-06-02	AC	AC	AC	AC	AC		
2018-06-03	AC	AC	AC	AC	AC		
2018-06-04	AC	AC	AC	AC	AC		
2018-06-05	AC	AC	AC	AC	AC		
2018-06-06	AC	AC	AC	AC	AC		
2018-06-07	AC	AC	AC	AC	AC		
2018-06-08	AC	AC	AC	AC	AC		
2018-06-09	AC	AC	AC	AC	AC		
2018-06-10	AC	AC	AC	AC	AC		
2018-06-11	AC	AC	AC	AC	AC		
2018-06-12	AC	AC	AC	AC	AC		
2018-06-13	AC	AC	AC	AC	AC		
2018-06-14	AC	AC	AC	AC	AC		
2018-06-15	AC	AC	AC	AC	AC		
2018-06-16	AC	AC	AC	AC	AC		
2018-06-17	AC	AC	AC	AC	AC		
2018-06-18	AC	AC	AC	AC	AC		
2018-06-19	AC	AC	AC	AC	AC		
2018-06-20	AC	AC	AC	AC	AC		
2018-06-21	AC	AC	AC	AC	AC		
2018-06-22	AC	AC	AC	AC	AC		
2018-06-23	AC	AC	AC	AC	AC		
2018-06-24	AC	AC	AC	AC	AC		
2018-06-25	AC	AC	AC	AC	AC		
2018-06-26	AC	AC	AC	AC	AC		
2018-06-27	AC	AC	AC	AC	AC		
2018-06-28	AC	AC	AC	AC	AC		
2018-06-29	AC	AC	AC	AC	AC		
2018-06-30	AC	AC	AC	AC	AC		
Minimum							
Maximum							
Average							
Count							

Name of Responsible Official or Authorized Representative		Signature of Responsible Official or Authorized Representative	Submission Date/Time
Deborah Klosz	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.		2018-07-18 13:07

Ohio EPA - Daily Discharge Monitoring Report - Form 4500

FACILITY:	NEORSD Westerly WWTC	PERMIT NUMBER:	*3PE00001*PD*
LOCATION:	5800 Cleveland Memorial Shoreway NW Cleveland, OH 44115	**MONITORING PERIOD :**	2018-06-01 To: 2018-06-30

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	2018-06-03	mg/l	QUALITY CONTROL NOT FOLLOWED
002	E. coli	31648	2018-06-03	#/100 ml	SAMPLE PASSED HOLDING TIME
002	CBOD 5 day	80082	2018-06-03	mg/l	QUALITY CONTROL NOT FOLLOWED
601	CBOD 5 day	80082	2018-06-01	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-02	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-03	mg/l	QUALITY CONTROL NOT FOLLOWED
601	CBOD 5 day	80082	2018-06-10	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-11	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-20	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-21	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-22	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-23	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-26	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-28	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-29	mg/l	BLANKS DID NOT MEET QC CRITERIA
601	CBOD 5 day	80082	2018-06-30	mg/l	BLANKS DID NOT MEET QC CRITERIA

CSO & Stream Assessment Annual Report

2017

Northeast Ohio Regional Sewer District

COMBINED SEWER OVERFLOW & STREAM ASSESSMENT ANNUAL REPORT

2017

NPDES PERMIT 3PA00002*HD

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1.0 Introduction

Part II, Section K of the Combined Sewer Overflow (CSO) National Pollution Discharge Elimination System (NPDES) Permit 3PA00002*HD requires that the Northeast Ohio Regional Sewer District (District) submit an annual report. The purpose of this report is to provide CSO volumes and activations for all permitted CSO locations in the District's combined sewer system (CSS) during the previous calendar year (January 1, 2017 through December 31, 2017). A select group of permitted CSO outfalls were monitored during the entire or portion of this period in accordance with Part I, B of Permit 3PA00002*HD. Model-estimated CSO volumes and activations were used to supplement the annual reporting for permitted CSO outfalls not monitored for the entire or portion of 2017. This report provides a summary of the CSO performance for the previous calendar year, changes to the Nine Minimum Control (NMC) program, and the data collected during stream assessment activities.

The Plan is organized into three (3) major sections:

- CSO Activations & Volumes (**Section 2**)
- Nine Minimum Control Program Modifications (**Section 3**)
- Stream Assessment Results (**Section 4**)

2.0 CSO Activations and Volumes

This section presents the CSO activations and associated volumes, which includes monitored data as well as model-estimated volumes and activations for all permitted CSO locations in the District's combined sewer system (CSS) from January 1, 2017 through December 31, 2017. The modeled estimates are developed using the District's current baseline conditions models and are intended to supplement periods and/or locations where flow monitoring data was not collected. A summary of the modeling approach used to estimate the CSO statistics is provided as follows.

2.1 Precipitation Data

The District owns and maintains a network of 28 permanent rainfall gauges as shown in **Figure 1**. Rainfall data was collected in 1-minute intervals from January 1, 2017 through December 31, 2017. The following are noted for the following permanent rainfall gauges:

- The Cleveland Heights rainfall gauge was moved from its permanent location to a nearby open area due to building construction on April 22, 2015. Subsequently, the rain gauge was vandalized and has been out of service since October 5, 2017. Current District plans are to install a replacement rain gauge in a similar vicinity in 2018.

- The Wade Park rainfall gauge was out of service throughout 2017 due to building construction. A temporary rain gauge on the roof of District's Administration building (GJM) located at 3900 Euclid Avenue was used in place of the Wade Park gauge. The temporary GJM rain gauge was taken out of service on November 14, 2017. Current District plans are to replace the portable gauge with permanent installation on the roof of the GJM building and to reinstall the Wade Park rain gauge in 2018.

Table 1 lists the total recorded precipitation depths for each rain gauge, as well as, the rainfall profile ID assigned to each rain gauge in the baseline conditions models. If a rain gauge had missing data, the data gaps were augmented with gauge-adjusted radar rainfall (GARR) data. **Table 1** also presents the supplemental GARR precipitation, and the GARR-augmented total precipitation.

Rainfall statistics for each rain gauge were developed using the Sanitary Sewer Overflow Analysis and Planning (SSOAP) Toolbox program developed by the United States Environmental Protection Agency (EPA). An inter-event duration of 12 hours was used to define individual rainfall events. Rainfall statistics for each event (total rainfall depth, duration, peak 1-hour intensity, and antecedent moisture conditions) for each rain gauge are provided in **Appendix A**. The rainfall statistics were developed based on the 5-minute rainfall data.

Rainfall data was then spatially distributed using the Thiessen Polygon tool available in ESRI's ArcGIS. Respective rain gauge hyetographs were assigned to entire subcatchments if the centroid of the subcatchment delineation was located within a Thiessen polygon. A more detailed description of how the rainfall data was spatially distributed is provided as **Appendix B**.

An area-weighted precipitation time series was developed based on the acreage of combined sewer service area associated with each rain gauge's Thiessen polygon. The area-weighted time series was used to compute summary precipitation statistics for 2017 presented in Section 2.5.

The statistics for each CSO service area were generated using the built-in statistics report tool in InfoWorks Integrated Catchment Modeling (ICM) software platform. The ICM statistics template was developed for each baseline conditions model with the "combine events where gap is less than" duration set equal to 12 hours to define overflow activations at each modeled overflow element. Overflow activations occurring within 12 hours of each other were counted as one single overflow activation.

Figure 1. NEORSD Rainfall Gauge Network

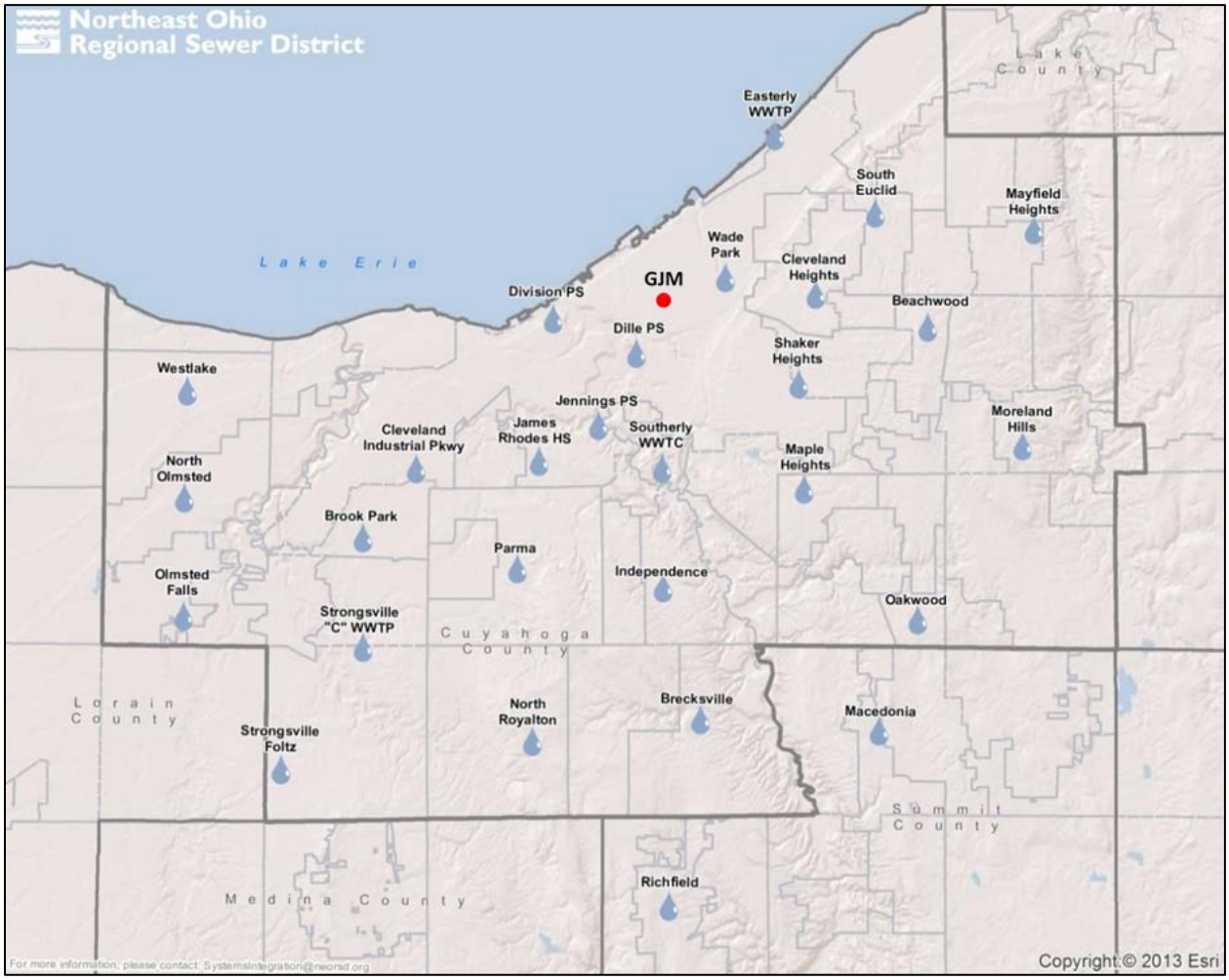


Table 1. Total Rainfall Observed from January 1, 2017 - December 31, 2017

Rain Gauge	Gauge Total Rainfall Depth (inches)	Supplemental GARR Rainfall (inches)	Total Rainfall Depth (inches)	Rainfall Profile[3]
Beachwood	56.53	0	56.53	16
Brecksville	49.11	0.35	49.46	17
Brook Park	44.11	1.06	45.17	27
Cleveland Heights[1]	30.65	10.91	41.56	23
Cleveland Industrial Pkwy	44.96	0	44.96	25
Dille Ave PS	38.64	1.08	39.72	18
Division Ave PS	38.55	0.88	39.43	21
Easterly WWTP	38.46	1.59	40.05	24
Independence	47.00	0.09	47.09	13
James Rhodes HS	44.20	0	44.20	22
Jennings PS	46.37	0	46.37	28
Macedonia	51.73	0	51.73	19
Maple Heights	43.16	0	43.16	9
Mayfield Heights	50.40	0	50.40	8
Moreland Hills	54.12	0	54.12	11
North Olmsted	43.20	0	43.20	3
North Royalton	42.19	0.73	42.92	5
Oakwood	47.76	0.59	48.35	14
Olmsted Falls	46.34	0	46.34	10
Parma	48.57	0	48.57	20
Richfield	47.18	0	47.18	2
Shaker Heights	49.91	0	49.91	12
South Euclid	44.86	0.53	45.39	6
Southerly WWTC	45.59	0	45.59	4
Strongsville	48.56	0	48.56	26
Strongsville Foltz	41.54	0	41.54	1
GJM[2]	34.49	4.01	38.50	7
Westlake	45.23	0	45.23	15

[1] The District's Cleveland Heights rain gauge was out of service since 4/22/2015 due to construction near the gauge. A temporary gauge was located nearby during out of service period

[2] The District's Wade Park rain gauge was removed from service on 12/11/2015 due to building construction. A temporary gauge was located at the District's GJM administration building at 3900 Euclid Avenue, Cleveland. The GJM gauge was removed from service on 11/14/2017.

[3] The Rainfall Profile represents the Thiessen Polygon ID assigned to rain gauges to distribute measured rainfall data among subcatchments in the baseline condition models using the Thiessen Polygon methoddescribed in Appendix B.

2.2 CSO Models

The District owns and actively maintains six (6) baseline condition models to reflect current conditions in the CSS (**Table 2**). Baseline conditions assumes modulating devices, such as control gates, inflatable dams, and pumps, are operating as designed or last field verified, and sewers are clean and free of debris unless known sedimentation issues have been documented and removal determined to be cost prohibitive. The models and simulation results presented here for 2017 were developed using Innovyze's InfoWorks ICM 7.5 (Version 7.5.0.15014 November 2016) modeling software platform, using continuous simulation of hourly rainfall data. This is the same approach as the Typical Year rainfall simulation. Continuous simulation takes antecedent soil moisture conditions into account when predicting overflows. Therefore, continuous simulation is a more conservative approach to modeling compared to discrete event simulations which run storm events independently.

Table 2. District's Baseline Condition Models

Baseline Conditions Model	Model Version
Big Creek	BCBL201701MM
Easterly[1]	ESBG201707MM-20171031
Heights-Hilltop	HHCS201701MM
Mill Creek	MCCS201701MM
Southerly[1]	SOBG201707MM
Westerly	WEBL201701MM-20170420

[1] Representations of four (4) of the District's Appendix 3 green infrastructure (GI) projects (i.e., Green Ambassador – Fairhill-MLK GI, University Circle GI, Green Ambassador – Urban Agriculture GI, and Fleet Ave GI) built and operational prior to January 1, 2017 are included in the Easterly and Southerly models. All projects were operational at the start of 2017 year.

2.3 2017 CSO Volumes and Activations

In accordance with the District's CSO NPDES permit 3PA00002*HD, the District monitors the CSOs listed in **Table 3**.

Table 3. Monitored CSOs

Outfall Names				
CSO 025	CSO 045[1]	CSO 072	CSO 206	CSO 258
CSO 035	CSO 056	CSO 080	CSO 211	
CSO 038	CSO 058	CSO 088	CSO 218[1]	
CSO 040	CSO 059	CSO 200	CSO 239	
CSO 044	CSO 069	CSO 202	CSO 242	

[1] Monitor data for CSOs 045 and 218 were supplemented by model-estimated data for periods when monitors malfunctioned or were out of service.

Model-estimated CSO volumes and activations were quantified using the latest versions of the District's collection system models (**Table 2**) to supplement the monitoring data for all CSO outfalls contained in the NPDES permit. Total annual CSO volumes and activations for the January 1, 2017 through December 31, 2017 period are presented in **Table 4**. Total annual CSO performance at CSOs not monitored are based on model results following the approach described in Section 2.2 above for the full 2017 period. Total annual CSO performance at CSOs that were not monitored for the entire or partial 2017 period are a composite of the model-estimates and monitoring results in which time periods were not overlapped.

Table 4. 2017 CSO Volumes and Activations

Outfall Name	Baseline Conditions Model	Model-Estimated		Monitored		Annual Total	
		# of Overflows	Volume (MG)	# of Overflows	Volume (MG)	# of Overflows	Volume (MG)
CSO 007	Mill Creek	1	0.2	N/A	N/A	1	0.2
CSO 013	Mill Creek	0	0	N/A	N/A	0	0
CSO 014	Mill Creek	0	0	N/A	N/A	0	0
CSO 017	Mill Creek	2	0.8	N/A	N/A	2	0.8
CSO 019	Mill Creek	1	0.2	N/A	N/A	1	0.2
CSO 020	Mill Creek	1	0.5	N/A	N/A	1	0.5
CSO 021	Mill Creek	1	<0.1	N/A	N/A	1	<0.1
CSO 022	Mill Creek	3	0.5	N/A	N/A	3	0.5
CSO 025	Mill Creek	N/A	N/A	4	0.3	4	0.3
CSO 027	Mill Creek	3	0.4	N/A	N/A	3	0.4
CSO 028	Mill Creek	0	0	N/A	N/A	0	0
CSO 030	Mill Creek	0	0	N/A	N/A	0	0
CSO 031	Mill Creek	1	0.3	N/A	N/A	1	0.3
CSO 032	Mill Creek	0	0	N/A	N/A	0	0
CSO 033	Southerly	13	5.7	N/A	N/A	13	5.7
CSO 035	Southerly	N/A	N/A	27	4.2	27	4.2
CSO 036	Southerly	47	321.3	N/A	N/A	47	321.3
CSO 037	Southerly	0	0	N/A	N/A	0	0
CSO 038	Southerly	N/A	N/A	0	0	0	0
CSO 039	Southerly	38	10.2	N/A	N/A	38	10.2
CSO 040	Southerly	N/A	N/A	65	404.3	65	404.3
CSO 043	Big Creek	0	0	N/A	N/A	0	0
CSO 044	Big Creek	N/A	N/A	5	0.4	5	0.4
CSO 045[1]	Big Creek	8	13.0	6	34.4	14	47.4
CSO 050	Big Creek	13	2.9	N/A	N/A	13	2.9
CSO 051	Big Creek	24	50.5	N/A	N/A	24	50.5
CSO 052	Big Creek	3	0.2	N/A	N/A	3	0.2
CSO 053	Big Creek	38	58.0	N/A	N/A	38	58.0
CSO 054	Big Creek	23	32.2	N/A	N/A	23	32.2
CSO 055	Big Creek	6	3.3	N/A	N/A	6	3.3
CSO 056	Big Creek	N/A	N/A	39	56.6	39	56.6
CSO 057	Big Creek	57	333.6	N/A	N/A	57	333.6
CSO 058	Big Creek	N/A	N/A	40	349.9	40	349.9
CSO 059	Big Creek	N/A	N/A	16	10.4	16	10.4
CSO 060	Big Creek	0	0	N/A	N/A	0	0
CSO 062[2]	Big Creek	AH	AH	N/A	N/A	AH	AH
CSO 063	Big Creek	2	3.0	N/A	N/A	2	3.0

Outfall Name	Baseline Conditions Model	Model-Estimated		Monitored		Annual Total	
		# of Overflows	Volume (MG)	# of Overflows	Volume (MG)	# of Overflows	Volume (MG)
CSO 064	Westerly	8	0.6	N/A	N/A	8	0.6
CSO 065	Westerly	1	<0.1	N/A	N/A	1	<0.1
CSO 066	Westerly	0	0	N/A	N/A	0	0
CSO 067	Westerly	9	2.7	N/A	N/A	9	2.7
CSO 068	Westerly	43	26.7	N/A	N/A	43	26.7
CSO 069	Westerly	N/A	N/A	1	0.1	1	0.1
CSO 071	Westerly	0	0	N/A	N/A	0	0
CSO 072	Southerly	N/A	N/A	15	2.3	15	2.3
CSO 073	Easterly	33	93.8	N/A	N/A	33	93.8
CSO 074	Westerly	14	4.3	N/A	N/A	14	4.3
CSO 075	Westerly	10	4.0	N/A	N/A	10	4.0
CSO 076	Westerly	11	3.7	N/A	N/A	11	3.7
CSO 078	Westerly	28	7.5	N/A	N/A	28	7.5
CSO 079[3]	Westerly	N/A	N/A	N/A	N/A	N/A	N/A
CSO 080	Westerly	N/A	N/A	58	274.2	58	274.2
CSO 081	Westerly	2	0.2	N/A	N/A	2	0.2
CSO 082	Westerly	11	1.0	N/A	N/A	11	1.0
CSO 083	Westerly	5	0.2	N/A	N/A	5	0.2
CSO 084	Westerly	1	0.1	N/A	N/A	1	0.1
CSO 085	Westerly	5	0.5	N/A	N/A	5	0.5
CSO 086	Westerly	27	12.0	N/A	N/A	27	12.0
CSO 087	Westerly	38	27.5	N/A	N/A	38	27.5
CSO 088	Westerly	N/A	N/A	38	52.2	38	52.2
CSO 089	Westerly	4	0.2	N/A	N/A	4	0.2
CSO 090	Easterly	27	9.2	N/A	N/A	27	9.2
CSO 091	Easterly	0	0	N/A	N/A	0	0
CSO 092	Easterly	0	0	N/A	N/A	0	0
CSO 093	Easterly	0	0	N/A	N/A	0	0
CSO 094	Easterly	33	43.5	N/A	N/A	33	43.5
CSO 095	Easterly	6	5.3	N/A	N/A	6	5.3
CSO 096	Easterly	18	9.3	N/A	N/A	18	9.3
CSO 097	Easterly	15	1.8	N/A	N/A	15	1.8
CSO 098	Easterly	43	16.7	N/A	N/A	43	16.7
CSO 099	Easterly	1	0.1	N/A	N/A	1	0.1
CSO 200	Easterly	N/A	N/A	35	34.4	35	34.4
CSO 201	Easterly	34	15.8	N/A	N/A	34	15.8
CSO 202	Easterly	N/A	N/A	34	14.7	34	14.7
CSO 203	Easterly	21	10.0	N/A	N/A	21	10.0

Outfall Name	Baseline Conditions Model	Model-Estimated		Monitored		Annual Total	
		# of Overflows	Volume (MG)	# of Overflows	Volume (MG)	# of Overflows	Volume (MG)
CSO 204	Easterly	47	149.3	N/A	N/A	47	149.3
CSO 205	Easterly	51	44.0	N/A	N/A	51	44.0
CSO 206	Easterly	N/A	N/A	42	122.2	42	122.2
CSO 207	Easterly	0	0	N/A	N/A	0	0
CSO 208	Easterly	2	0.1	N/A	N/A	2	0.1
CSO 209	Easterly	49	66.6	N/A	N/A	49	66.6
CSO 210	Easterly	47	76.7	N/A	N/A	47	76.7
CSO 211	Easterly	N/A	N/A	66	60.7	66	60.7
CSO 212	Easterly	20	1.6	N/A	N/A	20	1.6
CSO 214	Easterly	28	9.0	N/A	N/A	28	9.0
CSO 215	Easterly	0	0	N/A	N/A	0	0
CSO 216	Easterly	0	0	N/A	N/A	0	0
CSO 217	Easterly	37	7.7	N/A	N/A	37	7.7
CSO 218[4]	Easterly	17	32.0	25	10.2	42	42.2
CSO 219	Easterly	41	3.0	N/A	N/A	41	3.0
CSO 220	Easterly	28	29.7	N/A	N/A	28	29.7
CSO 221	Easterly	52	26.9	N/A	N/A	52	26.9
CSO 222	Easterly	49	239.0	N/A	N/A	49	239.0
CSO 223	Easterly	0	0	N/A	N/A	0	0
CSO 224	Easterly	17	7.9	N/A	N/A	17	7.9
CSO 225	Easterly	7	0.2	N/A	N/A	7	0.2
CSO 226	Easterly	5	0.3	N/A	N/A	5	0.3
CSO 230	Easterly	69	131.9	N/A	N/A	69	131.9
CSO 231	Easterly	35	41.1	N/A	N/A	35	41.1
CSO 232	Easterly	54	90.7	N/A	N/A	54	90.7
CSO 233	Big Creek	63	31.6	N/A	N/A	63	31.6
CSO 234	Easterly	36	26.6	N/A	N/A	36	26.6
CSO 235[5]	Easterly	42	5.0	N/A	N/A	42	5.0
CSO 236[3]	Easterly	N/A	N/A	N/A	N/A	N/A	N/A
CSO 238	Big Creek	5	2.3	N/A	N/A	5	2.3
CSO 239	Easterly	N/A	N/A	62	149.2	62	149.2
CSO 240	Westerly	5	0.1	N/A	N/A	5	0.1
CSO 241	Big Creek	2	0.9	N/A	N/A	2	0.9
CSO 242	Easterly	N/A	N/A	12	13.9	12	13.9
CSO 243	Mill Creek	3	0.1	N/A	N/A	3	0.1
CSO 245	Mill Creek	0	0	N/A	N/A	0	0
CSO 246	Mill Creek	0	0	N/A	N/A	0	0
CSO 247	Mill Creek	1	0.1	N/A	N/A	1	0.1

Outfall Name	Baseline Conditions Model	Model-Estimated		Monitored		Annual Total	
		# of Overflows	Volume (MG)	# of Overflows	Volume (MG)	# of Overflows	Volume (MG)
CSO 249	Mill Creek	3	0.2	N/A	N/A	3	0.2
CSO 250	Southerly	0	0	N/A	N/A	0	0
CSO 252	Mill Creek	5	1.4	N/A	N/A	5	1.4
CSO 253[3]	Westerly	N/A	N/A	N/A	N/A	N/A	N/A
CSO 254[6]	Big Creek	AH	AH	N/A	N/A	AH	AH
CSO 255	Big Creek	16	10.4	N/A	N/A	16	10.4
CSO 256	Easterly	4	0.4	N/A	N/A	4	0.4
CSO 257	Big Creek	0	0	N/A	N/A	0	0
CSO 258	Mill Creek	N/A	N/A	4	28.1	4	28.1
CSO SAPS	Easterly	6	1.9	N/A	N/A	6	1.9
CSO SLPS[5]	Easterly	0	0	N/A	N/A	0	0
Total			**2,172.2**		**1,622.7**		**3,794.9**

1 Modeled data used to supplement eDMR reporting due to various issues at CSO 045 during January through June 2017 period.
2 Modeling data is not available for CSO 062.
3 CSO was eliminated in 2016.
4 Modeled data used to supplement eDMR reporting purposes due to various issues at CSO 218 during March, April, and May 2017 period.
5 CSO was eliminated in 2017. The changes will be reflected in the 2018 modeling data and the 2018 Annual Report.
6 Associated regulators and CSO 254 tributary area are not represented in the Big Creek collection system model. Model representation is scheduled to be expanded.

In the December 2017 eDMR report, CSO 062 was reported with the AH code since modeling data is not currently available for this outfall. The regulator associated with CSO 062 (BC 74) is in the process of being abandoned. The current baseline conditions model reflects abandonment of regulator BC-74 and, therefore, is not capable of providing model-estimated CSO volume or activation results. Water quality testing is currently being performed to confirm upstream sewer separation efforts. The District is continuing to work with the City of Cleveland to address illicit discharges to this sewer before removing BC-74 and eliminating CSO 062. If the separation efforts are found to be unsuccessful in eliminating the upstream sanitary flows, the baseline conditions model will be revised accordingly for future reporting purposes while the District continues to address the illicit discharge issue.

2.4 Typical Year Rainfall Data

Table 5 presents the 121 rainfall events that comprise the District's synthetic Typical Year for the period of January 1st through December 31st.

Table 5. Rainfall Events for Typical Year (January – December)

Storm Number	Date	Depth (Inches)	Duration (Hours)	Average 1-Hour Intensity (In/Hr)	Peak 1-Hour Intensity (In/Hr)
1	01/03/91	0.01	1	0.01	0.01
2	01/05/91	0.18	10	0.02	0.03

Storm Number	Date	Depth (Inches)	Duration (Hours)	Average 1-Hour Intensity (In/Hr)	Peak 1-Hour Intensity (In/Hr)
3	01/09/91	0.03	2	0.01	0.02
4	01/11/91	0.39	19	0.02	0.09
5	01/12/91	0.04	21	<0.01	0.01
6	01/15/91	0.33	8	0.04	0.08
7	01/16/91	0.17	10	0.02	0.03
8	01/20/91	0.53	30	0.02	0.05
9	01/26/91	0.03	10	<0.01	0.01
10	01/27/91	0.08	4	0.02	0.03
11	01/29/91	0.37	11	0.03	0.1
12	01/30/91	0.01	1	0.01	0.01
13	01/31/91	0.01	1	0.01	0.01
14	02/05/91	0.01	1	0.01	0.01
15	02/06/91	0.1	9	0.01	0.02
16	02/10/91	0.73	20	0.04	0.09
17	02/13/91	1.53	59	0.03	0.16
18	02/16/91	0.18	14	0.01	0.04
19	02/18/91	0.08	13	0.01	0.04
20	02/19/91	0.29	7	0.04	0.1
21	02/26/91	0.08	40	<0.01	0.01
22	02/28/91	0.04	4	0.01	0.02
23	03/02/91	0.06	14	<0.01	0.02
24	03/03/91	0.7	24	0.03	0.1
25	03/06/91	0.83	14	0.06	0.13
26	03/09/91	0.07	2	0.04	0.05
27	03/10/91	0.08	4	0.02	0.03
28	03/17/91	0.5	31	0.02	0.07
29	03/22/91	0.32	4	0.08	0.18
30	03/22/91	0.14	3	0.05	0.08
31	03/23/91	0.23	10	0.02	0.06
32	03/26/91	0.02	1	0.02	0.02
33	03/27/91	0.62	1	0.62	0.62
34	03/31/91	0.07	6	0.01	0.03
35	04/01/93	0.16	5	0.03	0.07
36	04/02/93	0.06	12	<0.01	0.02
37	04/09/93	0.77	16	0.05	0.09
38	04/11/93	0.09	1	0.09	0.09
39	04/14/93	0.03	2	0.02	0.02
40	04/15/93	0.34	3	0.11	0.16
41	04/19/93	0.27	13	0.02	0.11

Storm Number	Date	Depth (Inches)	Duration (Hours)	Average 1-Hour Intensity (In/Hr)	Peak 1-Hour Intensity (In/Hr)
42	04/20/93	0.61	18	0.03	0.13
43	04/24/93	0.03	2	0.02	0.02
44	04/25/93	0.46	15	0.03	0.16
45	04/30/93	0.1	6	0.02	0.03
46	05/04/93	0.63	25	0.03	0.22
47	05/19/93	0.15	6	0.03	0.07
48	05/23/93	0.01	1	0.01	0.01
49	05/24/93	0.08	6	0.01	0.04
50	05/28/93	0.03	2	0.02	0.02
51	05/31/93	0.16	2	0.08	0.08
52	06/03/93	0.07	2	0.04	0.04
53	06/05/93	0.37	6	0.06	0.25
54	06/07/93	1.56	9	0.17	0.67
55	06/09/93	0.21	1	0.21	0.21
56	06/09/93	0.24	1	0.24	0.24
57	06/19/93	0.31	2	0.16	0.22
58	06/20/93	0.54	26	0.02	0.15
59	06/25/93	0.08	1	0.08	0.08
60	06/27/93	0.94	1	0.94	0.94
61	07/01/93	0.05	4	0.01	0.02
62	07/03/93	0.01	1	0.01	0.01
63	07/04/93	0.44	1	0.44	0.44
64	07/06/93	0.47	1	0.47	0.47
65	07/11/93	0.35	3	0.12	0.24
66	07/19/93	0.14	2	0.07	0.13
67	07/26/93	0.04	2	0.02	0.02
68	07/28/93	1.08	9	0.12	0.72
69	07/29/93	0.67	3	0.22	0.31
70	08/02/93	0.42	2	0.21	0.41
71	08/03/93	0.42	10	0.04	0.2
72	08/06/93	0.1	4	0.03	0.06
73	08/07/93	0.13	1	0.13	0.13
74	08/10/93	0.02	2	0.01	0.01
75	08/11/93	0.24	4	0.06	0.23
76	08/12/93	0.02	1	0.02	0.02
77	08/16/93	0.07	1	0.07	0.07
78	08/20/93	0.01	1	0.01	0.01
79	08/28/93	0.06	1	0.06	0.06
80	08/31/93	0.03	6	0.01	0.02

Storm Number	Date	Depth (Inches)	Duration (Hours)	Average 1-Hour Intensity (In/Hr)	Peak 1-Hour Intensity (In/Hr)
81	09/02/93	1.02	21	0.05	0.67
82	09/06/93	0.35	1	0.35	0.35
83	09/07/93	0.01	1	0.01	0.01
84	09/10/93	0.01	1	0.01	0.01
85	09/10/93	0.01	1	0.01	0.01
86	09/15/93	2.38	16	0.15	0.4
87	09/22/93	0.12	16	0.01	0.05
88	09/25/93	1.63	20	0.08	0.29
89	09/27/93	0.15	9	0.02	0.06
90	09/28/93	0.23	3	0.08	0.12
91	09/29/93	0.97	17	0.06	0.24
92	10/01/93	0.01	1	0.01	0.01
93	10/01/93	0.58	6	0.1	0.22
94	10/09/93	0.43	13	0.03	0.13
95	10/16/93	0.6	16	0.04	0.18
96	10/19/93	0.04	1	0.04	0.04
97	10/20/93	0.04	6	0.01	0.02
98	10/27/93	0.15	4	0.04	0.1
99	10/30/93	1.67	39	0.04	0.12
100	11/01/91	0.01	1	0.01	0.01
101	11/07/91	0.12	12	0.01	0.02
102	11/11/91	0.69	7	0.1	0.14
103	11/12/91	0.21	12	0.02	0.06
104	11/15/91	0.62	31	0.02	0.1
105	11/18/91	0.3	21	0.01	0.1
106	11/20/91	0.46	19	0.02	0.14
107	11/23/91	0.24	3	0.08	0.12
108	11/24/91	0.03	8	0	0.01
109	11/25/91	0.01	1	0.01	0.01
110	11/28/91	0.19	8	0.02	0.05
111	11/30/91	0.04	1	0.04	0.04
112	12/02/91	1.19	17	0.07	0.29
113	12/03/91	0.06	11	0.01	0.02
114	12/12/91	0.16	17	0.01	0.06
115	12/14/91	0.15	6	0.03	0.12
116	12/15/91	0.07	16	0	0.01
117	12/18/91	0.02	2	0.01	0.01
118	12/18/91	0.03	16	0	0.01
119	12/20/91	0.22	8	0.03	0.07

Storm Number	Date	Depth (Inches)	Duration (Hours)	Average 1-Hour Intensity (In/Hr)	Peak 1-Hour Intensity (In/Hr)
120	12/23/91	0.1	6	0.02	0.03
121	12/28/91	0.26	35	0.01	0.03
	Total	**37.51**			

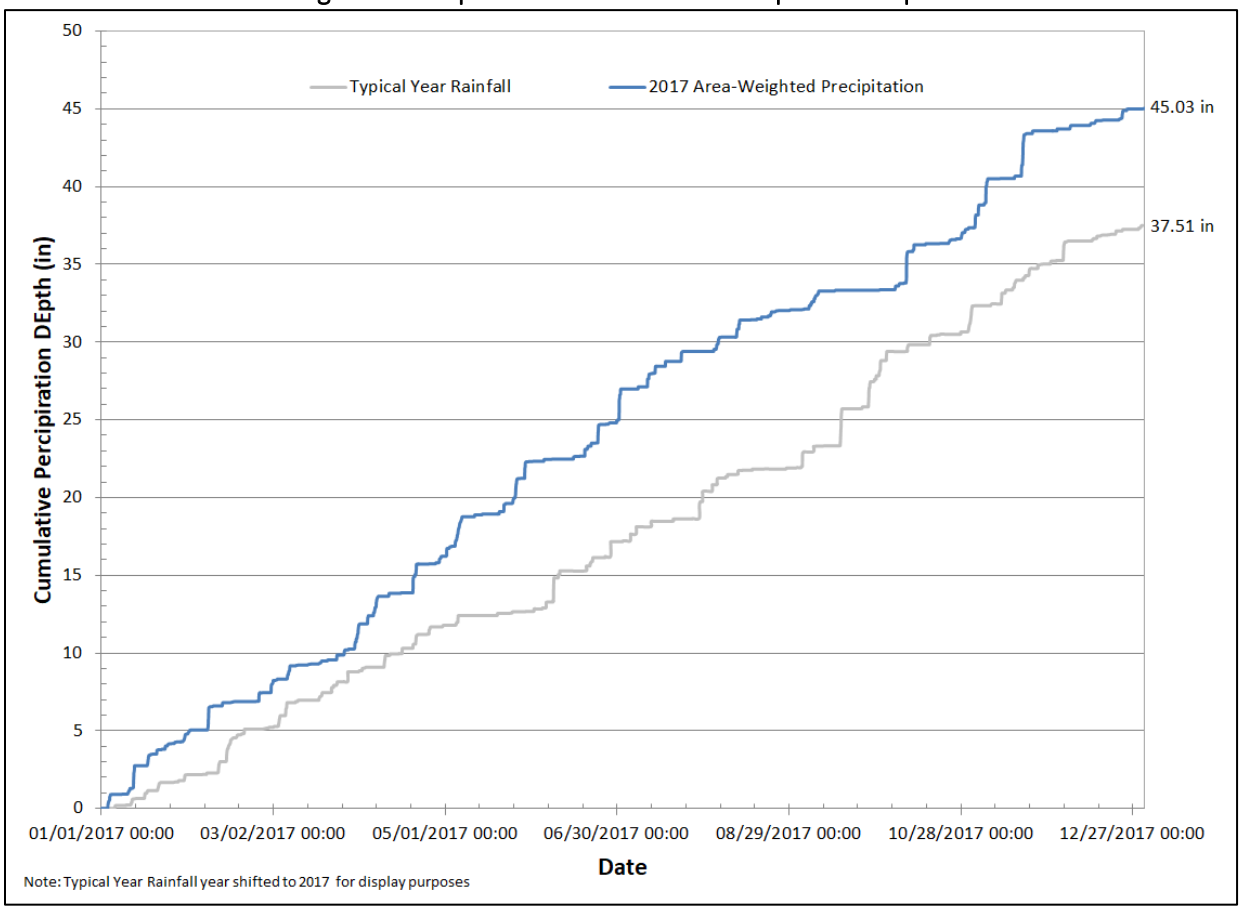
Gray-shaded rows indicate individual rainfall events paired together for back-to-back/continuous simulations

2.5 2017 Rainfall Data and Typical Year Rainfall Comparison

Area-weighted precipitation data was used to compare 2017 precipitation events (**Section 2.1**) with the District's synthetic Typical Year (**Section 2.4**). The weight for each rain gauge is based on the CSO service areas within the Thiessen Polygons. **Figure 2** compares the cumulative precipitation depth for 2017 with the Typical Year rainfall. Based on the area-weighted rainfall, 2017 cumulative rainfall was 45.03 inches, 7.52 inches greater than the Typical Year. Specific observations from the Typical Year and 2017 cumulative precipitation graph (**Figure 2**) show:

- Slightly higher cumulative precipitation depth from January to mid-April.
- Significantly higher cumulative precipitation depth from mid-April through September.
- Lower cumulative precipitation depth in October.
- Higher cumulative precipitation depth in November and December.

Figure 2. Comparison of Cumulative Precipitation Depths



The 2017 area-weighted time series was processed using USEPA-SSOAP to separate the precipitation record into discrete events. A 12-hour inter-event dry weather duration was used to separate events. This analysis resulted in 102 discrete events ranging in total depth from 0.01 inch to 2.73 inches. **Figure 3** shows the total depths of both the 2017 precipitation events and the Typical Year events ranked from largest to smallest. The largest events for 2017 had appreciably more total rainfall depth than the largest Typical Year events.

The peak hourly intensities for the 2017 events and Typical Year events were also ranked, with the comparison shown in **Figure 4**. The two largest 2017 peak hourly intensities (0.99 and 0.83 in/hr) were greater than the two largest Typical Year peak hourly intensities (0.94 and 0.72 in/hr). The Typical Year had greater peak hourly intensities for the seven subsequent events, with 2017 having greater peak hourly intensities for the dozen or so events following those. Overall, significant differences in peak hourly intensities were not observed.

Figure 3. Precipitation Events Ranked by Total Depth

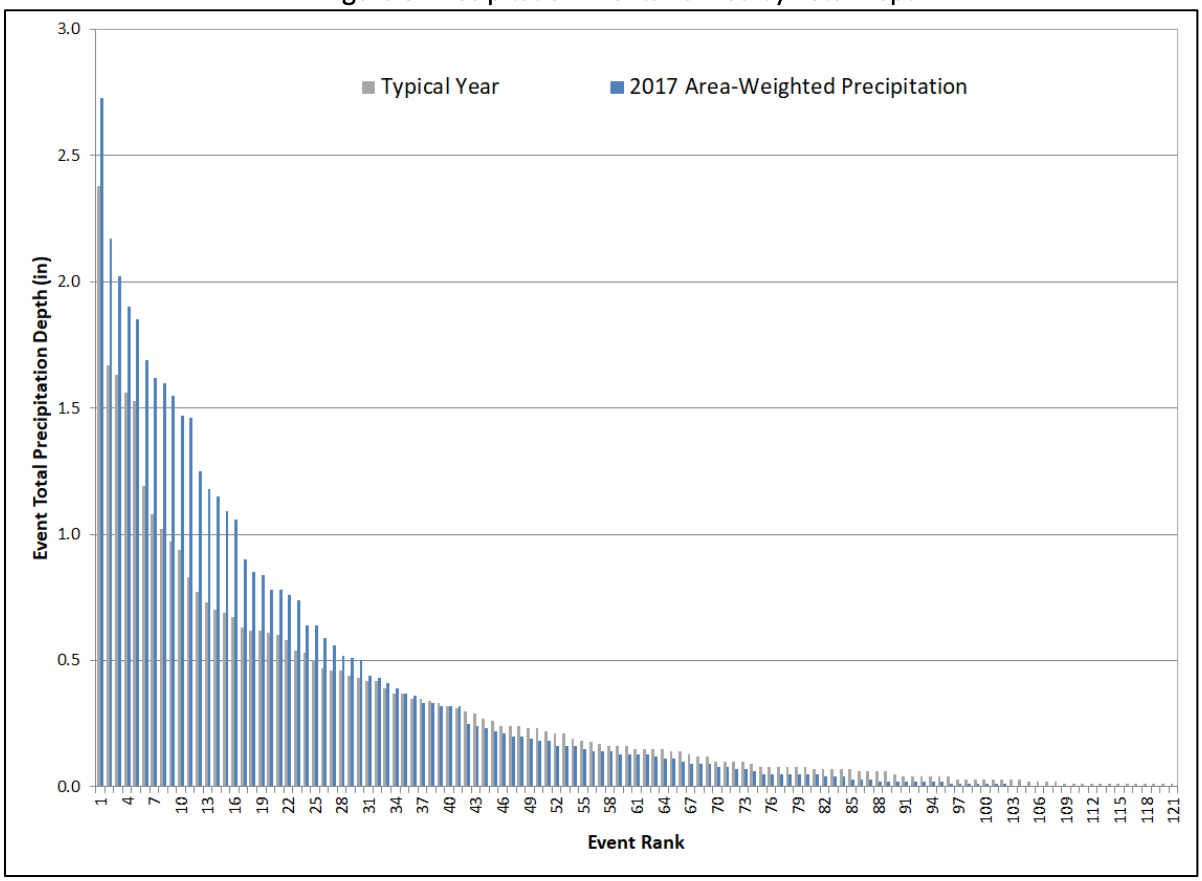
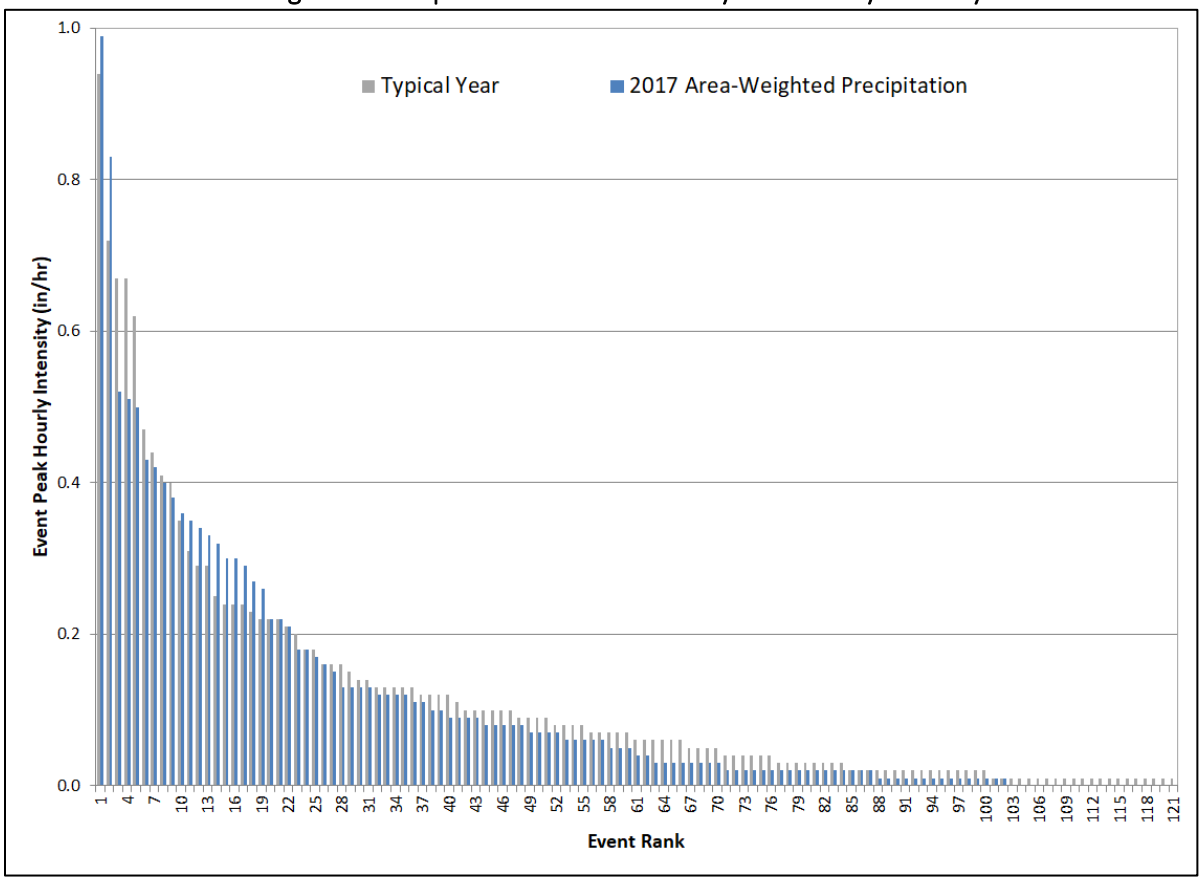


Figure 4. Precipitation Events Ranked by Peak Hourly Intensity



2.6 Typical Year CSO Volumes and Activations

Table 6 presents model-estimated CSO volumes and activations under baseline conditions for the District's synthetic Typical Year for all 121 events.

Table 6. Typical Year CSO Activations and Volumes

Outfall Name	# of Overflows	Volume (MG)	Baseline Conditions Model
CSO 007	0	0	Mill Creek
CSO 013	0	0	Mill Creek
CSO 014	0	0	Mill Creek
CSO 017	0	0	Mill Creek
CSO 019	0	0	Mill Creek
CSO 020	0	0	Mill Creek
CSO 021	0	0	Mill Creek
CSO 022	2	0.1	Mill Creek
CSO 025	0	0	Mill Creek
CSO 027	3	0.1	Mill Creek
CSO 028	0	0	Mill Creek
CSO 030	0	0	Mill Creek

Outfall Name	# of Overflows	Volume (MG)	Baseline Conditions Model
CSO 031	0	0	Mill Creek
CSO 032	0	0	Mill Creek
CSO 033	9	1.9	Southerly
CSO 035	64	32.5	Southerly
CSO 036	46	250.8	Southerly
CSO 037	0	0	Southerly
CSO 038	0	0	Southerly
CSO 039	33	8.7	Southerly
CSO 040	120	791.3	Southerly
CSO 043	0	0	Big Creek
CSO 044	2	0.1	Big Creek
CSO 045	15	9.2	Big Creek
CSO 050	9	1.0	Big Creek
CSO 051	18	26.5	Big Creek
CSO 052	0	0	Big Creek
CSO 053	36	30.8	Big Creek
CSO 054	19	16.4	Big Creek
CSO 055	5	0.7	Big Creek
CSO 056	48	89.8	Big Creek
CSO 057	56	222.9	Big Creek
CSO 058	64	190.9	Big Creek
CSO 059	15	12.7	Big Creek
CSO 060	0	0	Big Creek
CSO 062[1]	AH	AH	Big Creek
CSO 063	1	0.1	Big Creek
CSO 064	3	0.1	Westerly
CSO 065	0	0	Westerly
CSO 066	0	0	Westerly
CSO 067	3	0.3	Westerly
CSO 068	40	14.4	Westerly
CSO 069	0	0	Westerly
CSO 071	0	0	Westerly
CSO 072	0	0	Southerly
CSO 073	26	42.0	Easterly
CSO 074	13	3.4	Westerly
CSO 075	8	2.7	Westerly
CSO 076	8	1.9	Westerly
CSO 078	21	5.6	Westerly
CSO 079[1]	N/A	N/A	Westerly

Outfall Name	# of Overflows	Volume (MG)	Baseline Conditions Model
CSO 080	52	277.9	Westerly
CSO 081	1	<0.1	Westerly
CSO 082	9	0.6	Westerly
CSO 083	1	<0.1	Westerly
CSO 084	0	0	Westerly
CSO 085	2	0.2	Westerly
CSO 086	24	10.5	Westerly
CSO 087	36	14.6	Westerly
CSO 088	37	9.3	Westerly
CSO 089	6	0.2	Westerly
CSO 090	26	7.7	Easterly
CSO 091	0	0	Easterly
CSO 092	0	0	Easterly
CSO 093	0	0	Easterly
CSO 094	33	40.2	Easterly
CSO 095	7	5.1	Easterly
CSO 096	14	9.1	Easterly
CSO 097	13	1.7	Easterly
CSO 098	55	15.7	Easterly
CSO 099	1	0.1	Easterly
CSO 200	82	164.6	Easterly
CSO 201	31	14.4	Easterly
CSO 202	52	128.4	Easterly
CSO 203	15	8.2	Easterly
CSO 204	48	138.5	Easterly
CSO 205	54	41.4	Easterly
CSO 206	65	146.6	Easterly
CSO 207	0	0	Easterly
CSO 208	1	<0.1	Easterly
CSO 209	50	56.4	Easterly
CSO 210	43	64.5	Easterly
CSO 211	82	188.0	Easterly
CSO 212	13	1.0	Easterly
CSO 214	18	5.9	Easterly
CSO 215	0	0	Easterly
CSO 216	0	0	Easterly
CSO 217	37	5.7	Easterly
CSO 218	48	77.7	Easterly
CSO 219	38	2.7	Easterly

Outfall Name	# of Overflows	Volume (MG)	Baseline Conditions Model
CSO 220	21	24.1	Easterly
CSO 221	50	21.9	Easterly
CSO 222	45	178.9	Easterly
CSO 223	0	0	Easterly
CSO 224	13	6.2	Easterly
CSO 225	3	0.1	Easterly
CSO 226	1	<0.1	Easterly
CSO 230	76	111.3	Easterly
CSO 231	67	25.0	Easterly
CSO 232	62	79.7	Easterly
CSO 233	65	22.9	Big Creek
CSO 234	35	20.3	Easterly
CSO 235	45	4.2	Easterly
CSO 236[1]	N/A	N/A	Easterly
CSO 238	5	0.3	Big Creek
CSO 239	0	0	Easterly
CSO 240	5	0.1	Westerly
CSO 241	0	0	Big Creek
CSO 242	15	59.4	Easterly
CSO 243	2	<0.1	Mill Creek
CSO 245	0	0	Mill Creek
CSO 246	0	0	Mill Creek
CSO 247	0	0	Mill Creek
CSO 249	2	<0.1	Mill Creek
CSO 250	0	0	Southerly
CSO 252	2	0.1	Mill Creek
CSO 253[1]	N/A	N/A	Westerly
CSO 254[2]	AH	AH	Big Creek
CSO 255	13	4.4	Big Creek
CSO 256	5	0.2	Easterly
CSO 257	0	0	Big Creek
CSO 258	2	83.6	Mill Creek
CSO SAPS	7	1.4	Easterly
CSO SLPS[2]	0	0	Easterly
	Total	**3,837.9**	

1 CSO has been removed; reference Table 4.

2 Associated regulators and tributary area to CSO 254 not represented in model; model representation is scheduled to be expanded.

2.7 Evaluation of CSO Volumes and Activations

Part II, Item K.3 of NPDES Permit 3PA00002*HD requires the District to provide "an evaluation of whether the CSO activation volume and frequency for the previous year is in accordance with the estimates in the Facilities Plan(s) and/or Consent Decree, given the precipitation which occurred during the year, and the CSO abatement activities which have been implemented." For purposes of the evaluation of whether the CSO activation volume and frequency for 2017 was in accordance with the Facilities Plan and/or Consent Decree, this exercise was performed for the majority of Mill Creek CSOs (CSO 019, 022, 027, 243, 247, 249, and 252) and West Creek CSO 063. As of December 31, 2017, the Mill Creek Long Term Control Plan (LTCP), Control Measure 10 – Stones Levee Pump Station, Control Measure 18 – Mary Street Pump Station and Control Measure 24 – CSO 063 Relief and Consolidation Sewer are the only CSO abatement projects in full operation. The changes as a result of implementation of Control Measures 10 and 18 will be reflected in the 2018 model runs and discussed in the 2018 Annual Report.

2.7.1 Mill Creek CSOs

The Mill Creek LTCP was approved by Ohio EPA in 1997 and the implementation of the plan was completed in 2012 with the completion of the Mill Creek Tunnel (MCT) system. Due to the implementation status of the Mill Creek LTCP at the time of Consent Decree negotiations, Mill Creek projects/CSOs were not included in the Consent Decree. The Mill Creek LTCP allows for up to 5 overflows in a Typical Year to Mill Creek. Based on the continuous model simulation of the observed 2017 precipitation period, all twenty-two permitted CSOs to the Mill Creek were estimated as having equal or less than 5 overflows. The 2017 model-estimated activations achieve the targeted CSO performance.

2.7.2 West Creek CSO 063

The Control Measure 24 Project for CSO 063 achieved full operation on November 11, 2014. Post-Construction monitoring successfully validated the District's CSO model for use in demonstrating CM 24 performance. The Southerly LTCP allows for up to 1 overflow or less in a Typical Year to West Creek. This 1 overflow event is tied to the performance of Control Measure 24 in preventing overflows for rainfall events with peak intensities less than Typical Year Storm 60 (0.94 inches per hour, reference **Table 5**).

Based on the continuous model simulation of the observed 2017 precipitation period, the model estimated two overflows at CSO 063, as indicted in **Table 4**. The two overflows occurred on June 30 and October 9, 2017 corresponding to two observed rainfall events with peak hourly intensities, 1.18 and 1.01 in/hr, respectively, according to the nearest permanent gauge at James Rhodes High School. Specific statistics for these rainfall events are shown in **Table 7** including the begin time for each overflow. Both events had associated peak intensity greater than the District's largest Typical Year event, Storm 60, and therefore not expected to be fully controlled by Control Measure 24 by design. For the balance of 2017 rainfall events, no additional model-predicted activations occurred which achieve the targeted performance for CSO 063.

Table 7. Rainfall Event Statistics Associated with 2017 CSO 063 Overflow Events

CSO 063 Overflow Start Time	Rainfall Event		Total Rainfall Depth (Inches)	Peak Hourly Intensity (In/Hr)
	Start Time	End Time		
6/30/17 16:30	6/29/17 19:00	7/01/17 06:00	3.11	1.18
10/09/17 0:30	10/08/17 20:00	10/09/17 12:00	2.30	1.01

Rainfall statistic based on data recorded at the James Rhodes High School gauge.

3.0 Nine Minimum Control Program Modifications

The District administers its Nine Minimum Controls Program through its CSO Operational Plan, which was updated and submitted to Ohio EPA in March 2016 as required in NPDES permit 3PA00002*HD. As it did in 2016, in 2017 the District further increased its ability to remotely monitor its automatic regulators in the combined sewer system. In addition, the District continues to try to reduce the frequency and magnitude of wet weather overflows as well as prevent dry weather overflows by implementing the requirements of its CSO Operational Plan.

4.0 Stream Assessment Results

Part II., Section J. of NPDES Permit 3PA00002*HD requires the District to conduct biological, chemical and habitat assessments on each of the following receiving streams at least once during the 5-year permit cycle:

- Big Creek
- Cuyahoga River
- Doan Brook
- Euclid Creek
- Mill Creek
- Rocky River
- West Creek

In 2017, the District conducted biological, chemical, and habitat assessments on the **Cuyahoga River, Euclid Creek**, and **the Rocky River**. The results of the biological and habitat assessments are provided in **Table 8**. The field data sheets that support the biological and habitat results are provided in **Appendix C (Qualitative Habitat Evaluation Index (QHEI) field sheets)**, **D (Macroinvertebrate field sheets and results)** and **E (Fish data sheets)**. The surface water quality chemistry results and surface water sampling field data sheets are located in **Appendix F** and **G**, respectively.

Table 8. 2017 Biological & Habitat Results

Stream	Site	IBI		MIwb		ICI		QHEI	
		Score(s)	Narrative Rating	Score(s)	Narrative Rating	Score	Narrative Rating	Score	Narrative Rating
Cuyahoga River	12.1/11.95	34	Fair	9.0	Good	48	Exceptional	70.00	Good
Cuyahoga River	7.00	28	Fair	7.6	Fair	32	Marginally Good	54.25	Fair
Euclid Creek	1.65	30, 24	Fair, Poor	6.4, 5.0	Fair, Poor	16	Poor	79.25	Excellent
Euclid Creek	0.55	28, 40	Fair, Good	8.5, 8.1	Good, Good	40	Good	60.25	Good
Rocky River	8.30	40, 42	Good, Good	8.2, 9.1	Good, Very Good	36	Good	70.75	Excellent
Rocky River	2.50	40, 48	Good, Very Good	8.8, 9.7	Good, Exceptional	36	Good	78.00	Excellent

Appendix A: 2017 Observed Rainfall Statistics by District Rain Gauge

Beachwood Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 5:05	0.96	22.92	0.24	2.2
2	1/5/2017 18:00	0.01	0.08	0.01	1.6
3	1/8/2017 0:40	0.01	0.08	0.01	2.3
4	1/10/2017 2:50	0.42	19.92	0.09	2.1
5	1/11/2017 18:35	1.93	19.08	0.64	0.8
6	1/17/2017 0:00	0.8	47	0.19	4.4
7	1/20/2017 5:55	0.25	9	0.12	1.3
8	1/21/2017 7:35	0.01	0.08	0.01	0.7
9	1/21/2017 20:55	0.05	4.25	0.03	0.6
10	1/23/2017 4:15	0.16	4.08	0.08	1.1
11	1/23/2017 20:40	0.16	21.25	0.04	0.5
12	1/25/2017 11:30	0.02	1.17	0.01	0.7
13	1/26/2017 10:00	0.1	4.83	0.03	0.9
14	1/27/2017 18:00	0.01	0.08	0.01	1.1
15	1/29/2017 6:25	0.7	25.92	0.16	1.5
16	1/31/2017 0:40	0.33	19.25	0.07	0.7
17	2/1/2017 9:30	0.01	0.08	0.01	0.6
18	2/1/2017 21:50	0.02	5.67	0.01	0.5
19	2/6/2017 23:25	2.23	29.33	0.49	4.8
20	2/8/2017 19:00	0.06	4.92	0.03	0.6
21	2/12/2017 3:30	0.3	5.42	0.13	3.2
22	2/15/2017 3:25	0.12	18.5	0.07	2.8
23	2/22/2017 8:10	0.03	5.33	0.02	6.4
24	2/23/2017 23:30	0.01	0.08	0.01	1.4
25	2/24/2017 23:00	0.62	3.83	0.37	1
26	2/26/2017 1:15	0.06	3.75	0.04	0.9
27	3/1/2017 2:05	0.88	23	0.53	2.9
28	3/2/2017 21:40	0.09	11.33	0.04	0.9
29	3/6/2017 16:00	1.25	28	0.24	3.3
30	3/9/2017 20:45	0.07	14.5	0.03	2
31	3/13/2017 19:50	0.11	28.67	0.02	3.4
32	3/17/2017 18:35	0.05	1.42	0.04	2.8
33	3/18/2017 11:20	0.17	6.5	0.05	0.6
34	3/20/2017 20:15	0.09	3.17	0.08	2.1
35	3/24/2017 2:00	0.36	3.42	0.15	3.1
36	3/26/2017 14:15	0.36	11.58	0.2	2.4
37	3/28/2017 4:10	0.11	1.33	0.09	1.1

Beachwood Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
38	3/30/2017 5:55	1.72	47.08	0.3	2
39	4/3/2017 20:45	0.84	6.58	0.48	2.7
40	4/4/2017 17:40	0.01	0.08	0.01	0.6
41	4/5/2017 22:40	1.75	34.5	0.23	1.2
42	4/11/2017 5:45	0.26	4	0.19	3.9
43	4/15/2017 12:00	0.01	0.08	0.01	4.1
44	4/19/2017 17:20	2.27	29.58	0.77	4.2
45	4/25/2017 6:45	0.02	1.08	0.02	4.3
46	4/27/2017 16:05	0.11	0.25	0.11	2.3
47	4/28/2017 18:15	0.47	21.08	0.13	1.1
48	5/1/2017 6:55	0.41	6.75	0.33	1.7
49	5/2/2017 5:30	0.2	21.83	0.06	0.7
50	5/4/2017 8:00	2.63	62.92	0.18	1.2
51	5/11/2017 5:15	0.13	2.67	0.08	4.3
52	5/13/2017 20:50	0.04	0.58	0.04	2.5
53	5/19/2017 20:10	0.26	1.92	0.23	6
54	5/21/2017 10:45	0.87	13.5	0.62	1.5
55	5/24/2017 12:20	1.63	44.17	0.19	2.5
56	5/27/2017 5:05	0.01	0.08	0.01	0.9
57	5/28/2017 17:45	1.68	10.17	1.25	1.5
58	5/30/2017 0:15	0.04	4.5	0.03	0.9
59	6/4/2017 7:25	0.21	5.08	0.13	5.1
60	6/9/2017 18:55	0.01	0.08	0.01	5.3
61	6/14/2017 18:30	0.15	1.08	0.15	5
62	6/16/2017 22:45	0.04	0.25	0.04	2.1
63	6/18/2017 17:15	0.01	0.08	0.01	1.8
64	6/19/2017 17:05	0.17	2.17	0.15	1
65	6/20/2017 21:40	0.14	2.25	0.07	1.1
66	6/23/2017 6:40	2.13	17.5	0.94	2.3
67	6/26/2017 22:15	0.06	11.08	0.02	2.9
68	6/29/2017 19:15	2.95	40.42	1.96	2.4
69	7/7/2017 7:55	0.08	1	0.08	5.8
70	7/10/2017 14:20	0.91	18.25	0.52	3.2
71	7/12/2017 7:10	0.02	1.25	0.01	0.9
72	7/13/2017 5:40	0.51	3.67	0.28	0.9
73	7/16/2017 20:50	0.17	0.5	0.17	3.5
74	7/22/2017 8:30	0.8	14.58	0.52	5.5

Beachwood Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
75	7/24/2017 15:25	0.01	0.08	0.01	1.7
76	8/2/2017 17:30	0.74	3.5	0.72	9.1
77	8/3/2017 15:10	0.68	24.33	0.22	0.8
78	8/5/2017 3:35	0.02	0.17	0.02	0.5
79	8/10/2017 14:55	3.26	6.25	2.3	5.5
80	8/11/2017 11:35	0.83	6.75	0.69	0.6
81	8/17/2017 15:05	0.06	2.83	0.02	5.9
82	8/19/2017 8:20	0.09	5.17	0.08	1.6
83	8/21/2017 17:05	0.13	0.42	0.13	2.2
84	8/22/2017 13:50	0.23	6.17	0.12	0.9
85	8/29/2017 6:40	0.04	1.25	0.03	6.4
86	9/2/2017 19:45	0.04	11.08	0.02	4.5
87	9/4/2017 22:00	0.2	3.75	0.08	1.6
88	9/5/2017 14:05	0.34	0.75	0.34	0.5
89	9/6/2017 17:50	0.86	37.75	0.32	1.1
90	9/13/2017 22:25	0.05	3.25	0.04	5.6
91	10/4/2017 23:50	0.49	5.25	0.22	20.9
92	10/6/2017 6:30	0.1	6.75	0.05	1.1
93	10/7/2017 5:25	0.01	0.08	0.01	0.7
94	10/8/2017 0:05	0.08	2.58	0.05	0.8
95	10/8/2017 20:05	1.73	14.75	0.86	0.7
96	10/9/2017 23:40	0.02	9.42	0.01	0.5
97	10/11/2017 5:15	0.33	10.25	0.18	0.8
98	10/15/2017 15:30	0.08	1.5	0.07	4
99	10/23/2017 15:20	0.39	23.83	0.1	7.9
100	10/26/2017 7:05	0.08	0.75	0.08	1.7
101	10/27/2017 19:55	0.43	16.58	0.13	1.5
102	10/29/2017 8:15	0.16	10.25	0.07	0.8
103	10/30/2017 13:40	0.1	3.58	0.04	0.8
104	11/1/2017 21:25	0.89	7.17	0.35	2.2
105	11/3/2017 1:45	0.66	6.58	0.32	0.9
106	11/5/2017 2:25	1.5	29.5	0.81	1.8
107	11/6/2017 20:15	0.01	0.08	0.01	0.5
108	11/10/2017 12:45	0.01	0.08	0.01	3.7
109	11/15/2017 15:50	0.18	14.42	0.08	5.1
110	11/18/2017 2:30	3.17	38.17	0.44	1.8
111	11/21/2017 21:50	0.23	3.58	0.08	2.2

Beachwood Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
112	11/30/2017 12:55	0.16	1.75	0.11	8.5
113	12/1/2017 14:00	0.01	0.08	0.01	1
114	12/5/2017 0:15	0.28	7.17	0.07	3.4
115	12/12/2017 1:15	0.19	8.42	0.06	6.7
116	12/13/2017 15:40	0.23	12.83	0.05	1.3
117	12/17/2017 21:30	0.01	0.08	0.01	3.7
118	12/18/2017 13:35	0.01	0.08	0.01	0.7
119	12/22/2017 4:55	0.61	32.25	0.11	3.6
120	12/24/2017 18:55	0.12	7.17	0.05	1.2
121	12/30/2017 19:25	0.04	4.42	0.02	5.7

Brecksville Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/2/2017 6:55	0.01	0.08	0.01	1.3
2	1/3/2017 4:50	0.86	23	0.18	0.9
3	1/5/2017 13:55	0.05	4.75	0.02	1.4
4	1/8/2017 1:30	0.01	0.08	0.01	2.3
5	1/10/2017 2:25	0.42	20.33	0.11	2
6	1/11/2017 18:10	1.79	20.25	0.68	0.8
7	1/16/2017 15:05	0.43	20.92	0.13	4
8	1/18/2017 0:30	0.1	4	0.06	0.5
9	1/20/2017 5:35	0.27	5.58	0.14	2
10	1/21/2017 20:05	0.09	4.25	0.08	1.4
11	1/22/2017 22:40	0.52	37.67	0.09	0.9
12	1/25/2017 11:30	0.05	1.92	0.04	1
13	1/26/2017 10:05	0.22	12.75	0.04	0.9
14	1/27/2017 17:35	0.02	5.67	0.01	0.8
15	1/29/2017 9:55	0.24	22.67	0.12	1.4
16	1/31/2017 0:00	0.18	20.33	0.04	0.6
17	2/1/2017 9:55	0.02	0.5	0.02	0.6
18	2/2/2017 6:35	0.01	0.08	0.01	0.8
19	2/6/2017 23:00	1.18	30	0.26	4.7
20	2/8/2017 18:10	0.11	19.25	0.03	0.6
21	2/12/2017 0:50	0.29	16.5	0.1	2.5
22	2/15/2017 3:35	0.02	0.25	0.02	2.4
23	2/15/2017 18:45	0.06	10.75	0.03	0.6
24	2/21/2017 22:05	0.12	11	0.08	5.7
25	2/23/2017 22:30	0.16	2.25	0.15	1.6
26	2/24/2017 22:55	0.52	3.5	0.24	0.9
27	2/25/2017 16:50	0.01	0.08	0.01	0.6
28	3/1/2017 2:00	0.72	28.17	0.27	3.4
29	3/2/2017 21:15	0.33	13	0.12	0.6
30	3/6/2017 19:55	1	24.08	0.2	3.4
31	3/9/2017 20:50	0.06	14.92	0.02	2
32	3/13/2017 19:50	0.19	28.92	0.03	3.3
33	3/17/2017 19:15	0.07	1.08	0.07	2.8
34	3/18/2017 11:15	0.14	14	0.04	0.6
35	3/20/2017 20:20	0.07	4.17	0.05	1.8
36	3/24/2017 2:00	0.32	3.5	0.12	3.1
37	3/26/2017 14:05	0.28	10.75	0.13	2.4
38	3/28/2017 3:20	0.31	5.25	0.14	1.1

Brecksville Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	3/30/2017 5:50	1.45	46.5	0.19	1.9
40	4/3/2017 20:35	0.78	12.75	0.36	2.7
41	4/5/2017 22:20	1.81	35.25	0.31	1.5
42	4/11/2017 7:00	0.28	3.58	0.18	3.9
43	4/15/2017 10:30	0.05	1.42	0.04	4
44	4/19/2017 17:50	3.04	32.58	2.08	4.3
45	4/25/2017 8:50	0.01	0.08	0.01	4.3
46	4/27/2017 15:55	0.03	0.58	0.03	2.3
47	4/28/2017 17:30	0.79	23.83	0.17	1
48	5/1/2017 6:45	0.36	6.67	0.28	1.6
49	5/2/2017 7:30	0.03	3.25	0.02	0.8
50	5/3/2017 2:25	0.17	2.58	0.13	0.7
51	5/4/2017 7:40	2.17	64.33	0.17	1.1
52	5/11/2017 4:50	0.21	4.83	0.15	4.2
53	5/13/2017 20:55	0.1	2.42	0.09	2.5
54	5/18/2017 20:20	0.07	0.25	0.07	4.9
55	5/19/2017 15:55	0.23	8.42	0.17	0.8
56	5/21/2017 10:30	0.91	11	0.48	1.4
57	5/24/2017 7:15	1.46	41.92	0.18	2.4
58	5/27/2017 3:15	0.16	1.67	0.12	1.1
59	5/28/2017 17:40	2.12	7.5	1.47	1.5
60	5/29/2017 23:55	0.09	0.42	0.09	1
61	6/4/2017 8:35	0.26	3.67	0.12	5.3
62	6/9/2017 22:05	0.01	0.08	0.01	5.4
63	6/14/2017 18:10	0.14	7.83	0.12	4.8
64	6/16/2017 22:35	0.01	0.08	0.01	1.9
65	6/18/2017 17:20	0.1	0.75	0.1	1.8
66	6/19/2017 18:25	0.08	0.58	0.08	1
67	6/20/2017 22:15	0.04	0.42	0.04	1.1
68	6/23/2017 6:25	0.55	8	0.32	2.3
69	6/26/2017 19:20	0.18	10.92	0.09	3.2
70	6/29/2017 19:20	2.1	35.08	0.65	2.5
71	7/4/2017 1:25	0.01	0.08	0.01	2.8
72	7/7/2017 7:55	0.33	1.17	0.32	3.3
73	7/10/2017 8:00	0.92	19.42	0.58	3
74	7/11/2017 17:20	0.04	0.17	0.04	0.6
75	7/12/2017 7:10	0.13	1.58	0.11	0.6
76	7/13/2017 4:35	0.57	4.92	0.28	0.8

Brecksville Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	7/16/2017 20:55	0.21	0.33	0.21	3.5
78	7/22/2017 8:00	1.36	9.58	1.2	5.5
79	8/4/2017 0:20	0.77	15	0.33	12.3
80	8/11/2017 11:45	0.53	2.33	0.51	6.9
81	8/17/2017 14:35	0.41	4.25	0.28	6
82	8/18/2017 7:25	0.01	0.08	0.01	0.5
83	8/19/2017 8:15	0.13	0.5	0.13	1
84	8/22/2017 14:30	0.16	16.58	0.14	3.2
85	8/24/2017 12:25	0.21	23.17	0.18	1.2
86	8/28/2017 13:40	0.01	0.08	0.01	3.1
87	8/29/2017 6:15	0.03	2.58	0.02	0.7
88	8/30/2017 14:50	0.35	1.42	0.35	1.3
89	9/2/2017 12:45	0.2	18.25	0.12	2.9
90	9/4/2017 22:05	0.25	16.83	0.09	1.6
91	9/6/2017 17:05	0.12	8.83	0.11	1.1
92	9/7/2017 17:35	0.08	3.25	0.06	0.7
93	9/8/2017 9:15	0.1	2.5	0.06	0.5
94	9/13/2017 21:35	0.23	4.25	0.19	5.4
95	10/5/2017 1:35	0.08	6.17	0.06	21
96	10/6/2017 4:20	0.43	9.58	0.24	0.9
97	10/7/2017 23:50	0.17	2.92	0.08	1.4
98	10/8/2017 20:05	1.66	14.83	0.69	0.7
99	10/11/2017 4:40	0.17	15.67	0.13	1.7
100	10/15/2017 14:10	0.12	3.08	0.1	3.7
101	10/23/2017 15:05	0.28	24.75	0.07	7.9
102	10/25/2017 8:40	0.03	2.08	0.02	0.7
103	10/27/2017 19:55	0.37	16.5	0.1	2.4
104	10/29/2017 10:30	0.19	14.92	0.09	0.9
105	10/30/2017 13:30	0.18	4.42	0.06	0.5
106	11/1/2017 21:15	0.69	7.5	0.27	2.1
107	11/3/2017 2:35	0.74	4.33	0.39	0.9
108	11/5/2017 7:50	1.37	25.5	0.58	2
109	11/12/2017 23:10	0.07	2.17	0.04	6.6
110	11/15/2017 15:35	0.18	6.75	0.1	2.6
111	11/18/2017 2:20	2.72	40.08	0.39	2.2
112	11/21/2017 22:20	0.14	2.58	0.07	2.2
113	11/30/2017 12:35	0.16	1.83	0.1	8.5
114	12/5/2017 0:15	0.28	9.5	0.08	4.4

Brecksville Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/12/2017 3:40	0.12	10.83	0.03	6.8
116	12/13/2017 13:10	0.23	15.92	0.05	0.9
117	12/16/2017 5:20	0.01	0.08	0.01	2
118	12/18/2017 13:10	0.04	1	0.04	2.3
119	12/22/2017 5:00	0.57	32.25	0.12	3.6
120	12/24/2017 19:25	0.1	3.17	0.04	1.3
121	12/30/2017 1:25	0.16	25.25	0.04	5.1

Brook Park Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:15	1.14	23.33	0.3	2.2
2	1/5/2017 12:30	0.03	5.08	0.02	1.4
3	1/8/2017 1:00	0.02	0.25	0.02	2.3
4	1/10/2017 2:15	0.35	20.17	0.09	2
5	1/11/2017 18:10	1.3	19.33	0.46	0.8
6	1/16/2017 15:20	0.55	20.5	0.16	4.1
7	1/18/2017 0:25	0.06	6.08	0.02	0.5
8	1/20/2017 5:20	0.31	8.67	0.12	2
9	1/21/2017 20:15	0.01	0.08	0.01	1.3
10	1/23/2017 3:55	0.48	27.58	0.11	1.3
11	1/25/2017 11:20	0.02	0.25	0.02	1.2
12	1/26/2017 9:00	0.21	10.25	0.07	0.9
13	1/29/2017 9:00	0.33	23.08	0.14	2.6
14	1/30/2017 23:50	0.16	20.08	0.04	0.7
15	2/1/2017 9:40	0.02	12.08	0.01	0.6
16	2/6/2017 23:00	1.85	28.67	0.45	5.1
17	2/8/2017 18:20	0.09	17.92	0.03	0.6
18	2/12/2017 1:00	0.27	16	0.11	2.5
19	2/15/2017 3:10	0.01	0.08	0.01	2.4
20	2/15/2017 17:55	0.05	2.25	0.04	0.6
21	2/22/2017 7:25	0.09	1.17	0.08	6.5
22	2/23/2017 22:30	0.12	5.67	0.07	1.6
23	2/24/2017 21:50	0.48	4.67	0.21	0.7
24	3/1/2017 1:50	0.85	25.83	0.52	4
25	3/2/2017 20:30	0.4	13.42	0.1	0.7
26	3/6/2017 19:45	0.88	23.5	0.16	3.4
27	3/9/2017 20:50	0.04	2.08	0.03	2.1
28	3/13/2017 19:35	0.02	7.92	0.01	3.9
29	3/17/2017 19:05	0.05	0.92	0.05	3.7
30	3/18/2017 14:05	0.18	12.08	0.04	0.8
31	3/20/2017 20:00	0.03	3.92	0.02	1.7
32	3/24/2017 1:40	0.36	10.08	0.13	3.1
33	3/26/2017 13:55	0.32	22.33	0.19	2.1
34	3/28/2017 4:25	0.06	4.17	0.05	0.7
35	3/30/2017 5:35	1.64	44.25	0.27	1.9
36	4/3/2017 20:35	0.5	6.83	0.24	2.8
37	4/5/2017 22:15	1.45	34.67	0.24	1.8
38	4/11/2017 5:20	0.09	3.67	0.06	3.9

Brook Park Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/15/2017 10:15	0.05	1.75	0.04	4.1
40	4/19/2017 10:25	3.22	39.58	2.16	3.9
41	4/28/2017 17:55	0.56	21.08	0.17	7.7
42	5/1/2017 6:25	0.06	2.67	0.05	1.6
43	5/2/2017 7:00	0.01	0.08	0.01	0.9
44	5/4/2017 5:15	1.53	64.25	0.12	1.9
45	5/11/2017 4:45	0.19	3.75	0.11	4.3
46	5/13/2017 20:30	0.16	1.67	0.12	2.5
47	5/19/2017 19:40	0.12	3.92	0.11	5.9
48	5/21/2017 9:55	0.24	14.08	0.09	1.4
49	5/24/2017 7:50	1.55	39.33	0.23	2.3
50	5/27/2017 3:15	0.06	1.33	0.05	1.2
51	5/28/2017 17:00	1.47	9.75	0.71	1.5
52	5/29/2017 23:50	0.09	5.67	0.08	0.9
53	6/4/2017 10:40	0.05	0.92	0.05	5.2
54	6/5/2017 3:40	0.05	4	0.04	0.7
55	6/7/2017 2:55	0.05	2.42	0.03	1.8
56	6/14/2017 17:30	0.57	1.08	0.56	7.5
57	6/17/2017 5:05	0.01	0.08	0.01	2.4
58	6/18/2017 16:55	0.45	0.75	0.45	1.5
59	6/19/2017 18:00	0.18	0.67	0.18	1
60	6/20/2017 21:45	0.2	9.5	0.14	1.1
61	6/23/2017 6:15	1.04	18.33	0.47	2
62	6/26/2017 21:25	0.08	11.5	0.05	2.9
63	6/29/2017 19:00	2.81	34.83	1.23	2.4
64	7/7/2017 7:35	0.45	1.42	0.44	6.1
65	7/10/2017 8:15	0.98	18	0.51	3
66	7/12/2017 7:00	0.15	1.5	0.11	1.2
67	7/13/2017 5:50	0.39	3.67	0.24	0.9
68	7/16/2017 20:25	0.1	1.33	0.09	3.5
69	7/22/2017 7:45	0.34	2.75	0.27	5.4
70	8/3/2017 23:50	0.24	15.25	0.09	12.6
71	8/11/2017 11:15	0.15	6.83	0.14	6.8
72	8/17/2017 16:25	0.04	1.08	0.04	5.9
73	8/19/2017 8:00	0.09	0.5	0.09	1.6
74	8/22/2017 13:30	0.54	6.33	0.37	3.2
75	8/24/2017 12:55	0.02	7.33	0.01	1.7
76	8/29/2017 4:35	0.01	0.08	0.01	4.4

Brook Park Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/29/2017 17:30	0.02	7.67	0.01	0.5
78	9/2/2017 13:10	0.12	17.42	0.08	3.5
79	9/4/2017 21:35	0.33	16.25	0.21	1.6
80	9/6/2017 16:55	0.11	1.5	0.1	1.1
81	9/7/2017 17:00	0.04	2.5	0.03	0.9
82	9/8/2017 8:55	0.17	1.33	0.13	0.6
83	9/13/2017 22:25	0.05	3.58	0.02	5.5
84	9/19/2017 16:55	0.03	0.17	0.03	5.6
85	10/5/2017 0:20	0.06	5.92	0.04	15.3
86	10/6/2017 6:10	0.21	6.92	0.13	1
87	10/8/2017 1:05	0.01	0.08	0.01	1.5
88	10/8/2017 20:30	2.26	14.08	1.19	0.8
89	10/10/2017 9:20	0.01	0.08	0.01	1
90	10/11/2017 5:05	0.21	9.17	0.13	0.8
91	10/15/2017 15:10	0.09	1.75	0.08	4
92	10/23/2017 15:10	0.24	12.92	0.1	7.9
93	10/24/2017 16:35	0.01	0.08	0.01	0.5
94	10/27/2017 19:10	0.26	17.33	0.05	3.1
95	10/29/2017 7:20	0.22	17.17	0.06	0.8
96	10/30/2017 13:35	0.1	5.75	0.04	0.5
97	11/1/2017 21:25	0.83	6.75	0.3	2.1
98	11/3/2017 1:25	0.78	5.17	0.35	0.9
99	11/5/2017 2:00	1.48	30.58	0.74	1.8
100	11/13/2017 0:25	0.01	0.08	0.01	6.7
101	11/15/2017 15:25	0.16	14.92	0.08	2.6
102	11/18/2017 2:10	2.7	39.08	0.51	1.8
103	11/21/2017 21:50	0.15	3.58	0.08	2.2
104	11/30/2017 12:35	0.12	1.5	0.09	8.5
105	12/5/2017 0:20	0.23	7	0.12	4.4
106	12/12/2017 2:05	0.11	10	0.04	6.8
107	12/13/2017 14:30	0.14	13.5	0.04	1.1
108	12/18/2017 13:00	0.02	0.58	0.02	4.4
109	12/22/2017 4:40	0.6	33.83	0.1	3.6
110	12/24/2017 12:40	0.13	19.5	0.06	0.9
111	12/30/2017 0:10	0.01	0.08	0.01	4.7
112	12/30/2017 12:40	0.03	9.75	0.02	0.5

Cleveland Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 5:05	0.92	23.42	0.18	2.2
2	1/9/2017 12:45	0.01	0.08	0.01	5.3
3	1/10/2017 10:40	0.36	13.33	0.12	0.9
4	1/11/2017 18:50	1.44	25.08	0.49	0.8
5	1/17/2017 0:00	0.68	12.33	0.16	4.2
6	1/18/2017 0:45	0.07	18.25	0.02	0.5
7	1/20/2017 6:20	0.23	8.92	0.1	1.5
8	1/22/2017 0:15	0.01	0.08	0.01	1.4
9	1/23/2017 4:25	0.16	4.42	0.06	1.2
10	1/23/2017 23:30	0.14	17.08	0.03	0.6
11	1/25/2017 11:00	0.01	0.08	0.01	0.8
12	1/26/2017 9:25	0.08	5.75	0.03	0.9
13	1/29/2017 6:10	0.22	17.83	0.06	2.6
14	1/31/2017 11:30	0.25	22.08	0.08	1.5
15	2/6/2017 23:40	1.34	28.92	0.33	5.6
16	2/12/2017 4:25	0.21	12.58	0.09	4
17	2/24/2017 22:25	0.46	5.25	0.3	12.2
18	2/26/2017 11:05	0.02	0.42	0.02	1.3
19	3/1/2017 5:30	0.67	17.25	0.36	2.8
20	3/6/2017 16:20	0.85	28.17	0.19	4.7
21	3/9/2017 23:10	0.02	0.58	0.02	2.1
22	3/18/2017 4:45	0.23	19.42	0.05	8.2
23	3/20/2017 20:10	0.07	0.67	0.07	1.8
24	3/21/2017 15:05	0.01	0.08	0.01	0.8
25	3/24/2017 2:05	0.3	3.33	0.13	2.5
26	3/26/2017 14:25	0.31	9.83	0.23	2.4
27	3/28/2017 4:35	0.03	3.67	0.02	1.2
28	3/30/2017 5:55	1.44	50.25	0.21	1.9
29	4/3/2017 20:50	0.59	13.42	0.34	2.5
30	4/5/2017 22:45	0.67	23	0.21	1.5
31	4/7/2017 10:20	0.42	5.33	0.15	0.5
32	4/11/2017 5:35	0.21	3.92	0.12	3.6
33	4/15/2017 12:05	0.03	0.08	0.03	4.1
34	4/19/2017 17:10	1.92	32.92	0.77	4.2
35	4/25/2017 8:40	0.02	0.67	0.02	4.3
36	4/27/2017 16:10	0.04	0.17	0.04	2.3
37	4/28/2017 18:10	0.37	21.08	0.11	1.1
38	5/1/2017 7:00	0.78	6.58	0.72	1.7

Cleveland Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	5/2/2017 7:30	0.14	18.42	0.04	0.8
40	5/4/2017 10:10	1.97	62.33	0.15	1.3
41	5/11/2017 5:15	0.1	1.83	0.06	4.2
42	5/13/2017 20:45	0.05	0.58	0.05	2.6
43	5/17/2017 13:40	0.02	0.08	0.02	3.7
44	5/19/2017 20:00	0.11	1.67	0.09	2.3
45	5/21/2017 10:30	0.45	13.67	0.25	1.5
46	5/24/2017 14:15	1.47	38.83	0.28	2.6
47	5/27/2017 4:30	0.02	1.08	0.02	1
48	5/28/2017 17:40	0.73	10.08	0.33	1.5
49	5/30/2017 0:10	0.02	0.17	0.02	0.9
50	6/4/2017 8:55	0.15	3.58	0.09	5.4
51	6/9/2017 18:45	0.03	0.33	0.03	5.3
52	6/14/2017 18:30	0.28	7.5	0.14	5
53	6/16/2017 22:40	0.01	0.08	0.01	1.9
54	6/18/2017 17:10	0.45	0.75	0.45	1.8
55	6/19/2017 13:45	0.18	5.33	0.13	0.8
56	6/20/2017 21:30	0.21	2.33	0.15	1.1
57	6/21/2017 21:10	0.01	0.08	0.01	0.9
58	6/23/2017 6:40	1.18	15	0.52	1.4
59	6/25/2017 22:05	0.01	0.08	0.01	2
60	6/26/2017 22:15	0.06	10.92	0.03	1
61	6/29/2017 19:15	2.19	34.42	1.46	2.4
62	7/7/2017 8:15	0.04	0.42	0.04	6.1
63	7/10/2017 14:10	0.63	25.83	0.36	3.2
64	7/12/2017 7:15	0.02	1.17	0.01	0.6
65	7/13/2017 5:35	0.4	3.75	0.18	0.9
66	7/16/2017 20:45	0.29	0.25	0.29	3.5
67	7/22/2017 8:20	0.56	2.42	0.5	5.5
68	7/22/2017 22:45	0.06	0.17	0.06	0.5
69	8/3/2017 16:45	0.43	1.42	0.34	11.7
70	8/4/2017 7:20	0.39	20.33	0.14	0.6
71	8/10/2017 17:20	0.12	4.33	0.08	5.6
72	8/11/2017 11:15	0.53	7.08	0.46	0.6
73	8/17/2017 16:35	0.04	1.17	0.03	5.9
74	8/19/2017 8:15	0.1	0.5	0.1	1.6
75	8/21/2017 17:00	0.15	0.25	0.15	2.3
76	8/22/2017 13:45	0.16	6.17	0.09	0.9

Cleveland Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/29/2017 7:25	0.05	0.75	0.05	6.5
78	9/2/2017 19:55	0.06	16.67	0.02	4.5
79	9/4/2017 22:00	0.21	3.67	0.11	1.4
80	9/5/2017 14:00	0.14	8.25	0.13	0.5
81	9/6/2017 17:40	0.99	37.25	0.37	0.8
82	9/13/2017 22:35	0.03	2.67	0.02	5.7
83	9/14/2017 16:00	0.03	0.08	0.03	0.6
84	9/15/2017 15:55	0.01	0.08	0.01	1
85	10/6/2017 6:10	0.1	6.58	0.04	20.6
86	10/7/2017 4:35	0.01	1	0.01	0.7
87	10/8/2017 0:25	0.05	2.25	0.05	0.8
88	10/8/2017 20:25	1.8	14.67	0.93	0.7
89	10/11/2017 4:40	0.43	10.25	0.32	1.7
90	10/15/2017 13:50	0.05	3.33	0.04	4
91	10/23/2017 15:15	0.2	24.08	0.07	7.9
92	10/26/2017 6:50	0.07	0.67	0.07	1.6
93	10/27/2017 19:05	0.39	18.08	0.13	1.5
94	10/29/2017 6:00	0.2	7.75	0.09	0.7
95	10/30/2017 13:10	0.07	4.25	0.03	1
96	11/1/2017 13:15	0.77	15.33	0.25	1.8
97	11/3/2017 1:35	0.53	6.75	0.31	0.9
98	11/5/2017 2:15	1.54	29.58	0.7	1.8
99	11/9/2017 23:40	0.01	0.58	0.01	3.7
100	11/10/2017 12:55	0.01	0.75	0.01	0.5
101	11/15/2017 15:35	0.17	14.5	0.09	5.1
102	11/18/2017 1:55	2.61	40.92	0.39	1.8
103	11/21/2017 21:25	0.16	5.5	0.05	2.1
104	11/25/2017 5:45	0	0.33	0	3.1
105	11/30/2017 12:10	0.13	2.25	0.08	5.3
106	12/4/2017 23:25	0.21	8	0.06	4.4
107	12/7/2017 18:30	0	0.25	0	2.5
108	12/10/2017 5:35	0	0.17	0	2.5
109	12/12/2017 2:50	0.15	7.33	0.07	1.9
110	12/13/2017 14:10	0.17	14	0.06	1.2
111	12/14/2017 16:10	0	0.33	0	0.5
112	12/15/2017 15:10	0	0.25	0	0.9
113	12/16/2017 4:00	0.11	8.75	0.04	0.5
114	12/18/2017 5:15	0.03	8.92	0.02	1.7

Cleveland Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/22/2017 4:55	0.57	33.5	0.11	3.6
116	12/24/2017 12:55	0.11	13.67	0.07	0.9
117	12/27/2017 3:00	0.01	9.75	0	2
118	12/30/2017 19:10	0.03	3.75	0.01	3.3

Cleveland Industrial Parkway Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:20	0.98	23.25	0.28	2.2
2	1/5/2017 13:50	0.02	4.33	0.01	1.4
3	1/8/2017 1:00	0.02	0.58	0.02	2.3
4	1/10/2017 2:25	0.36	20.08	0.1	2
5	1/11/2017 18:15	1.12	19.17	0.32	0.8
6	1/16/2017 15:40	0.66	20.42	0.16	4.1
7	1/18/2017 0:05	0.06	5.42	0.02	0.5
8	1/20/2017 5:50	0.31	9.08	0.12	2
9	1/23/2017 3:50	0.5	32.25	0.12	2.5
10	1/25/2017 11:20	0.02	0.25	0.02	1
11	1/26/2017 9:50	0.14	8.67	0.05	0.9
12	1/29/2017 8:45	0.35	22.92	0.09	2.6
13	1/30/2017 23:55	0.19	21	0.04	0.7
14	2/6/2017 23:05	1.63	29	0.42	6.1
15	2/8/2017 17:35	0.12	5.5	0.05	0.6
16	2/11/2017 18:05	0.22	14.67	0.09	2.8
17	2/15/2017 3:10	0.01	0.08	0.01	2.8
18	2/15/2017 18:15	0.06	8.08	0.05	0.6
19	2/23/2017 22:40	0.07	5.5	0.03	7.9
20	2/24/2017 21:55	0.45	4.58	0.19	0.7
21	2/26/2017 1:10	0.02	0.5	0.02	0.9
22	3/1/2017 5:20	0.76	22.5	0.39	3.2
23	3/2/2017 20:30	0.35	13.33	0.1	0.7
24	3/6/2017 19:55	0.8	23.33	0.14	3.4
25	3/8/2017 12:10	0.01	0.08	0.01	0.7
26	3/9/2017 20:35	0.04	1.58	0.03	1.4
27	3/13/2017 19:25	0.17	15.5	0.04	3.9
28	3/17/2017 18:30	0.09	1.67	0.07	3.3
29	3/18/2017 14:20	0.19	11.33	0.05	0.8
30	3/20/2017 23:35	0.01	0.08	0.01	1.9
31	3/24/2017 1:50	0.32	3.5	0.12	3.1
32	3/26/2017 14:00	0.29	11.08	0.18	2.4
33	3/28/2017 4:30	0.04	3.75	0.03	1.1
34	3/30/2017 5:30	1.49	43.58	0.22	1.9
35	4/3/2017 20:35	0.48	6.58	0.22	2.8
36	4/5/2017 22:10	0.99	34.5	0.24	1.8
37	4/11/2017 5:20	0.11	3.5	0.07	3.9
38	4/15/2017 10:40	0.01	0.08	0.01	4.1

Cleveland Industrial Parkway Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/19/2017 10:40	1.95	39.25	1.04	4
40	4/28/2017 18:00	0.48	21	0.13	7.7
41	5/1/2017 6:30	0.36	6.83	0.23	1.6
42	5/2/2017 7:05	0.14	20.75	0.04	0.7
43	5/4/2017 5:40	1.76	63.5	0.13	1.1
44	5/11/2017 4:50	0.21	4.08	0.1	4.3
45	5/13/2017 20:50	0.03	0.17	0.03	2.5
46	5/19/2017 19:40	0.12	1.67	0.1	5.9
47	5/20/2017 17:35	0.02	0.17	0.02	0.8
48	5/21/2017 10:05	0.33	14.08	0.11	0.7
49	5/24/2017 7:30	1.67	41.08	0.26	2.3
50	5/27/2017 3:45	0.03	0.67	0.03	1.1
51	5/28/2017 17:05	1.26	7.67	0.57	1.5
52	5/29/2017 23:50	0.03	0.17	0.03	1
53	6/4/2017 10:45	0.1	1.58	0.09	5.5
54	6/5/2017 3:00	0.05	0.83	0.05	0.6
55	6/7/2017 3:20	0.03	0.67	0.03	2
56	6/9/2017 18:50	0.01	0.08	0.01	2.6
57	6/14/2017 17:45	0.18	1	0.18	5
58	6/18/2017 16:55	0.54	0.75	0.54	3.9
59	6/19/2017 13:45	0.13	5	0.12	0.8
60	6/20/2017 21:45	0.27	1.92	0.18	1.1
61	6/23/2017 6:25	1.37	15.67	0.56	2.3
62	6/26/2017 21:40	0.05	11	0.03	3
63	6/29/2017 19:00	2.89	34.92	1.34	2.4
64	7/3/2017 7:15	0.01	0.08	0.01	2.1
65	7/7/2017 7:40	0.39	0.75	0.39	4
66	7/10/2017 8:20	1.08	33.5	0.41	3
67	7/12/2017 7:05	0.12	1.5	0.1	0.6
68	7/13/2017 5:45	0.37	2.58	0.21	0.9
69	7/16/2017 20:20	0.24	0.25	0.24	3.5
70	7/17/2017 8:50	0.01	0.08	0.01	0.5
71	7/22/2017 7:45	0.46	9.92	0.3	5
72	8/3/2017 23:55	0.36	15	0.19	12.3
73	8/5/2017 5:40	0.01	0.08	0.01	0.6
74	8/11/2017 11:05	0.12	6.58	0.08	6.2
75	8/15/2017 12:35	0.06	0.25	0.06	3.8
76	8/17/2017 16:25	0.04	1.25	0.03	2.2

Cleveland Industrial Parkway Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/19/2017 8:00	0.11	0.58	0.11	1.6
78	8/22/2017 13:30	0.5	6.25	0.35	3.2
79	8/24/2017 4:55	0.08	25.25	0.05	1.4
80	8/28/2017 11:20	0.05	30.25	0.01	3.2
81	9/2/2017 13:05	0.12	17.58	0.06	3.8
82	9/4/2017 21:25	0.25	4.33	0.15	1.6
83	9/5/2017 13:45	0.15	0.25	0.15	0.5
84	9/6/2017 17:05	0.08	0.42	0.08	1.1
85	9/7/2017 17:00	0.14	2.58	0.13	1
86	9/8/2017 7:45	0.31	2	0.22	0.5
87	9/13/2017 22:30	0.05	7	0.02	5.5
88	9/19/2017 17:25	0.01	0.08	0.01	5.5
89	10/5/2017 0:25	0.07	4.75	0.04	15.3
90	10/6/2017 5:25	0.25	7.92	0.11	1
91	10/8/2017 2:00	0.01	0.08	0.01	1.5
92	10/8/2017 20:30	2.49	13.75	1.23	0.8
93	10/10/2017 4:55	0.01	0.08	0.01	0.8
94	10/11/2017 5:00	0.44	9.42	0.34	1
95	10/15/2017 15:10	0.11	0.58	0.11	4
96	10/16/2017 4:35	0.01	0.08	0.01	0.5
97	10/23/2017 15:10	0.24	25.5	0.1	7.4
98	10/26/2017 0:45	0.02	7.5	0.01	1.3
99	10/27/2017 18:35	0.26	17.67	0.05	1.4
100	10/29/2017 9:20	0.43	15.42	0.14	0.9
101	10/30/2017 13:20	0.09	3.83	0.03	0.5
102	11/1/2017 21:15	0.85	15.58	0.34	2.2
103	11/3/2017 1:30	0.74	6.33	0.49	0.5
104	11/5/2017 2:00	1.81	29.83	0.84	1.8
105	11/15/2017 15:20	0.16	5.92	0.09	9.3
106	11/18/2017 2:05	2.78	42.67	0.46	2.2
107	11/21/2017 21:55	0.15	3.08	0.08	2.1
108	11/30/2017 12:15	0.13	1.75	0.09	8.5
109	12/5/2017 0:35	0.24	6.58	0.13	4.4
110	12/10/2017 5:20	0.01	0.08	0.01	4.9
111	12/12/2017 1:50	0.09	4.33	0.04	1.9
112	12/13/2017 13:35	0.19	14.33	0.06	1.3
113	12/18/2017 13:05	0.02	0.92	0.02	4.4
114	12/22/2017 4:50	0.63	32.08	0.11	3.6

Cleveland Industrial Parkway Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/24/2017 13:00	0.12	9.17	0.05	1
116	12/30/2017 11:45	0.02	10.33	0.01	5.6

Dille Ave PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:40	0.91	28.25	0.23	2.2
2	1/8/2017 0:40	0.03	0.33	0.03	3.7
3	1/10/2017 2:35	0.37	19.92	0.09	2.1
4	1/11/2017 18:25	1.42	19.75	0.4	0.8
5	1/16/2017 23:50	0.6	12.33	0.15	4.4
6	1/18/2017 0:20	0.05	5.33	0.02	0.5
7	1/20/2017 6:15	0.33	8.58	0.19	2
8	1/21/2017 20:35	0.01	0.08	0.01	1.2
9	1/23/2017 4:05	0.32	5.25	0.13	1.3
10	1/23/2017 23:30	0.13	13	0.04	0.6
11	1/25/2017 11:45	0.01	0.08	0.01	1
12	1/26/2017 10:55	0.07	7.17	0.03	1
13	1/27/2017 8:05	0.03	10	0.02	0.6
14	1/29/2017 8:45	0.89	23.08	0.19	1.6
15	1/31/2017 0:10	0.23	19.5	0.04	0.7
16	2/6/2017 23:25	1.35	28.5	0.32	6.2
17	2/8/2017 19:45	0.08	3.33	0.04	0.7
18	2/12/2017 4:15	0.2	4.5	0.07	3.2
19	2/15/2017 3:25	0.01	0.08	0.01	2.8
20	2/15/2017 18:15	0.01	0.08	0.01	0.6
21	2/24/2017 4:10	0.01	0.25	0.01	8.4
22	2/24/2017 21:55	0.47	5.5	0.36	0.7
23	2/26/2017 1:25	0.02	0.75	0.02	0.9
24	3/1/2017 5:15	0.72	21.42	0.27	3.1
25	3/2/2017 21:50	0.04	10.5	0.01	0.8
26	3/6/2017 19:55	0.75	34.58	0.16	3.5
27	3/9/2017 20:40	0.03	0.67	0.03	1.6
28	3/13/2017 19:30	0.05	8.92	0.02	3.9
29	3/17/2017 18:40	0.07	1.25	0.06	3.6
30	3/18/2017 15:10	0.09	8.42	0.03	0.8
31	3/20/2017 19:55	0.07	1.08	0.06	1.9
32	3/24/2017 2:00	0.33	3.5	0.14	3.2
33	3/26/2017 17:35	0.31	6.5	0.25	2.5
34	3/28/2017 4:30	0.03	4	0.02	1.2
35	3/30/2017 5:50	1.48	46.17	0.24	1.9
36	4/3/2017 21:25	0.33	5.92	0.16	2.7
37	4/5/2017 22:20	1.06	34.33	0.17	1.8
38	4/11/2017 5:30	0.14	3.92	0.09	3.9

Dille Ave PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/15/2017 12:00	0.01	0.08	0.01	4.1
40	4/19/2017 17:05	1.97	33.17	0.49	4.2
41	4/25/2017 7:40	0.02	1.5	0.01	4.2
42	4/27/2017 15:30	0.21	2.17	0.12	2.3
43	4/28/2017 18:05	0.35	20.92	0.11	1
44	5/1/2017 6:40	0.34	6.83	0.23	1.7
45	5/2/2017 7:15	0.08	18.83	0.03	0.7
46	5/4/2017 10:25	1.51	57.67	0.16	1.4
47	5/11/2017 5:05	0.09	1.58	0.06	4.4
48	5/13/2017 20:30	0.04	4.92	0.03	2.6
49	5/19/2017 19:55	0.11	1.83	0.09	5.8
50	5/20/2017 17:45	0.01	0.08	0.01	0.8
51	5/21/2017 10:25	0.34	13.67	0.17	0.7
52	5/24/2017 7:40	1.7	40.67	0.26	2.3
53	5/27/2017 4:10	0.02	0.5	0.02	1.2
54	5/28/2017 17:45	0.82	10.25	0.37	1.5
55	5/30/2017 0:10	0.01	0.08	0.01	0.8
56	6/4/2017 11:00	0.08	1	0.08	5.5
57	6/14/2017 18:15	0.14	0.83	0.14	10.3
58	6/18/2017 17:05	0.45	0.75	0.45	3.9
59	6/19/2017 13:35	0.19	5.42	0.1	0.8
60	6/20/2017 21:30	0.11	2.25	0.06	1.1
61	6/23/2017 6:30	1.05	15	0.5	2.3
62	6/26/2017 22:10	0.01	0.08	0.01	3
63	6/29/2017 19:15	0.06	0.42	0.06	2.9
64	6/30/2017 17:00	1.49	14.17	0.81	0.9
65	7/7/2017 7:45	0.07	0.75	0.07	6
66	7/10/2017 14:00	0.69	13	0.33	3.2
67	7/11/2017 18:05	0.02	0.25	0.02	0.6
68	7/12/2017 7:15	0.03	1.17	0.02	0.5
69	7/13/2017 5:30	0.34	3.5	0.17	0.9
70	7/16/2017 20:35	0.32	0.33	0.32	3.5
71	7/22/2017 8:10	0.41	14.42	0.32	5.5
72	8/3/2017 17:00	0.86	22.08	0.34	11.8
73	8/5/2017 4:50	0.03	0.67	0.03	0.6
74	8/11/2017 11:05	0.48	7	0.39	6.2
75	8/15/2017 12:20	0.1	0.67	0.1	3.8
76	8/17/2017 16:30	0.02	0.42	0.02	2.1

Dille Ave PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/19/2017 8:20	0.04	0.83	0.04	1.6
78	8/21/2017 16:50	0.03	0.67	0.03	2.3
79	8/22/2017 9:50	0.08	10.58	0.03	0.7
80	8/24/2017 4:30	0.05	1.83	0.03	1.3
81	8/25/2017 6:10	0.02	1.17	0.01	1
82	8/29/2017 8:00	0.04	2.5	0.02	4
83	9/4/2017 21:45	0.15	3.83	0.09	6.5
84	9/5/2017 13:55	0.07	0.33	0.07	0.5
85	9/6/2017 4:15	0.35	25.5	0.1	0.6
86	9/7/2017 20:20	0.19	10.5	0.18	0.6
87	9/14/2017 2:15	0.01	0.08	0.01	5.8
88	10/5/2017 0:35	0.43	4.42	0.26	20.9
89	10/6/2017 6:10	0.16	6.83	0.07	1.1
90	10/8/2017 2:10	0.01	0.08	0.01	1.6
91	10/8/2017 20:30	2.01	14.25	1.06	0.8
92	10/10/2017 5:10	0.01	0.08	0.01	0.8
93	10/11/2017 5:20	0.4	9.25	0.29	1
94	10/15/2017 15:20	0.05	1.75	0.04	4
95	10/23/2017 15:15	0.21	22.92	0.06	7.9
96	10/26/2017 7:10	0.07	1	0.07	1.7
97	10/27/2017 18:45	0.33	17.67	0.07	1.4
98	10/29/2017 8:10	0.19	5.92	0.08	0.8
99	10/30/2017 13:40	0.1	3.83	0.04	1
100	11/1/2017 20:45	0.76	7.42	0.28	2.1
101	11/3/2017 1:55	0.53	5.17	0.36	0.9
102	11/5/2017 2:15	1.54	29.5	0.77	1.8
103	11/15/2017 15:35	0.13	6.08	0.08	9.3
104	11/18/2017 2:15	2.59	39.08	0.52	2.2
105	11/21/2017 21:40	0.19	3.33	0.1	2.2
106	11/30/2017 12:25	0.12	1.83	0.08	8.5
107	12/5/2017 0:45	0.21	6.58	0.09	4.4
108	12/12/2017 1:20	0.12	8.58	0.04	6.8
109	12/13/2017 15:35	0.19	12.08	0.06	1.2
110	12/16/2017 5:15	0.01	0.08	0.01	2.1
111	12/22/2017 5:00	0.62	32.17	0.11	6
112	12/24/2017 20:05	0.09	2.17	0.06	1.3

Division Ave PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:35	0.79	23.25	0.19	2.2
2	1/5/2017 17:55	0.01	0.08	0.01	1.6
3	1/8/2017 0:40	0.01	0.08	0.01	2.3
4	1/10/2017 2:30	0.36	20.08	0.1	2.1
5	1/11/2017 18:25	1.24	19.67	0.3	0.8
6	1/16/2017 23:45	0.64	12.33	0.17	4.4
7	1/18/2017 0:15	0.04	5.17	0.02	0.5
8	1/20/2017 6:05	0.27	8.92	0.11	2
9	1/23/2017 4:10	0.3	5.08	0.11	2.6
10	1/23/2017 23:35	0.12	13.25	0.04	0.6
11	1/25/2017 12:35	0.01	0.08	0.01	1
12	1/26/2017 10:50	0.07	7.25	0.03	0.9
13	1/28/2017 19:35	0.01	0.08	0.01	2.1
14	1/29/2017 8:35	0.64	23.17	0.15	0.5
15	1/31/2017 1:20	0.18	18.33	0.03	0.7
16	2/1/2017 21:40	0.01	0.08	0.01	1.1
17	2/6/2017 23:25	1.21	20.42	0.29	5.1
18	2/8/2017 18:55	0.05	4.33	0.02	1
19	2/12/2017 4:10	0.15	8.08	0.06	3.2
20	2/15/2017 3:15	0.01	0.08	0.01	2.6
21	2/15/2017 17:50	0.01	0.08	0.01	0.6
22	2/23/2017 23:35	0.03	2.92	0.02	8.2
23	2/24/2017 22:10	0.46	4.5	0.25	0.8
24	2/26/2017 4:05	0.01	0.08	0.01	1.1
25	3/1/2017 5:20	0.76	17.17	0.41	3.1
26	3/2/2017 23:30	0.02	9.83	0.01	1
27	3/6/2017 15:50	0.58	28	0.11	3.3
28	3/9/2017 20:35	0.03	0.58	0.03	2
29	3/10/2017 12:10	0.01	0.08	0.01	0.6
30	3/17/2017 20:30	0.23	27.42	0.04	7.3
31	3/20/2017 19:50	0.08	3.83	0.07	1.8
32	3/24/2017 1:55	0.36	3.67	0.15	3.1
33	3/26/2017 14:15	0.23	9.58	0.18	2.4
34	3/28/2017 4:25	0.03	3.42	0.02	1.2
35	3/30/2017 5:40	1.68	43	0.32	1.9
36	4/3/2017 13:20	0.41	13.92	0.21	2.5
37	4/5/2017 22:10	0.69	34.25	0.18	1.8
38	4/11/2017 5:15	0.17	3.58	0.07	3.9

Division Ave PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/15/2017 11:50	0.07	0.17	0.07	4.1
40	4/19/2017 16:30	2.37	30.08	0.61	4.2
41	4/25/2017 7:50	0.02	1.92	0.01	4.4
42	4/28/2017 18:05	0.35	21.08	0.11	3.4
43	5/1/2017 6:40	0.43	6.83	0.31	1.6
44	5/2/2017 7:20	0.1	18.25	0.03	0.7
45	5/4/2017 5:50	1.46	62.25	0.16	1.2
46	5/11/2017 4:55	0.12	3.08	0.06	4.4
47	5/13/2017 20:25	0.04	0.58	0.04	2.5
48	5/19/2017 19:30	0.11	1.5	0.09	5.9
49	5/20/2017 18:20	0.01	0.08	0.01	0.9
50	5/21/2017 10:25	0.41	13.83	0.13	0.7
51	5/24/2017 7:40	1.61	40.5	0.26	2.3
52	5/27/2017 4:15	0.02	3.83	0.01	1.2
53	5/28/2017 17:35	0.6	15.75	0.38	1.4
54	6/4/2017 11:00	0.08	0.92	0.08	6.1
55	6/7/2017 3:05	0.03	6.67	0.02	2.6
56	6/9/2017 19:10	0.01	0.08	0.01	2.4
57	6/14/2017 18:15	0.11	0.75	0.11	5
58	6/18/2017 16:55	0.34	0.92	0.34	3.9
59	6/19/2017 13:30	0.25	5.33	0.16	0.8
60	6/20/2017 21:25	0.15	2.25	0.08	1.1
61	6/23/2017 6:25	0.88	15.92	0.48	2.3
62	6/26/2017 22:10	0.01	0.08	0.01	3
63	6/29/2017 19:10	1.54	34.67	0.4	2.9
64	7/7/2017 7:40	0.11	0.92	0.11	6.1
65	7/10/2017 13:55	0.86	13.08	0.39	3.2
66	7/11/2017 18:10	0.02	0.17	0.02	0.6
67	7/12/2017 7:15	0.04	1.25	0.03	0.5
68	7/13/2017 5:20	0.45	3.67	0.2	0.9
69	7/16/2017 20:25	0.32	0.33	0.32	3.5
70	7/22/2017 7:55	0.58	2.42	0.5	5.5
71	8/3/2017 14:30	0.66	24.5	0.16	12.2
72	8/5/2017 5:20	0.01	0.08	0.01	0.6
73	8/11/2017 10:55	0.52	0.92	0.52	6.2
74	8/17/2017 16:30	0.07	1.08	0.07	6.2
75	8/19/2017 8:05	0.2	0.58	0.2	1.6
76	8/21/2017 20:55	0.01	0.08	0.01	2.5

Division Ave PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/22/2017 13:40	0.11	6.08	0.09	0.7
78	8/24/2017 4:25	0.03	0.5	0.03	1.4
79	8/25/2017 5:20	0.05	0.67	0.05	1
80	8/29/2017 5:05	0.02	3.33	0.01	4
81	9/2/2017 13:45	0.01	0.08	0.01	4.2
82	9/3/2017 6:40	0.01	0.08	0.01	0.7
83	9/4/2017 21:55	0.24	24.17	0.11	1.6
84	9/6/2017 17:20	0.39	11.75	0.18	0.8
85	9/7/2017 20:05	0.27	11.25	0.22	0.6
86	10/5/2017 0:30	0.32	4.75	0.17	26.7
87	10/6/2017 6:10	0.14	6.33	0.07	1
88	10/8/2017 19:55	2.27	16.33	1.15	2.3
89	10/11/2017 5:05	0.53	9.42	0.43	1.7
90	10/15/2017 15:10	0.04	0.58	0.04	4
91	10/23/2017 15:15	0.15	22.83	0.05	8
92	10/26/2017 7:10	0.11	1.25	0.1	1.7
93	10/27/2017 18:45	0.34	17.42	0.06	1.4
94	10/29/2017 6:10	0.18	10.92	0.09	0.8
95	10/30/2017 13:35	0.1	3.5	0.04	0.9
96	11/1/2017 20:05	0.73	8.17	0.29	2.1
97	11/3/2017 1:55	0.56	5.58	0.42	0.9
98	11/5/2017 4:00	1.83	27.67	1.05	1.9
99	11/15/2017 15:30	0.15	10.42	0.1	9.3
100	11/18/2017 2:15	2.5	23.92	0.43	2
101	11/19/2017 14:15	0.02	3.33	0.01	0.5
102	11/21/2017 21:50	0.16	3.08	0.08	2.2
103	11/30/2017 12:30	0.11	1.67	0.08	8.5
104	12/5/2017 0:50	0.17	6.5	0.08	4.4
105	12/12/2017 2:25	0.1	5.58	0.05	6.8
106	12/13/2017 21:50	0.16	7.25	0.06	1.6
107	12/18/2017 14:15	0.01	0.08	0.01	4.4
108	12/22/2017 5:10	0.62	31.25	0.11	3.6
109	12/24/2017 19:45	0.12	3.5	0.05	1.3

Easterly WWTP Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 5:00	0.66	22.75	0.15	2.2
2	1/10/2017 2:45	0.3	20.17	0.09	6
3	1/11/2017 19:25	1.55	18.25	0.49	0.9
4	1/16/2017 23:55	0.71	13.58	0.26	4.4
5	1/18/2017 3:20	0.01	0.08	0.01	0.6
6	1/20/2017 6:10	0.26	8.67	0.13	2.1
7	1/21/2017 19:50	0.03	0.92	0.03	1.2
8	1/23/2017 5:00	0.1	3.42	0.05	1.3
9	1/23/2017 23:35	0.07	18.75	0.02	0.6
10	1/26/2017 11:00	0.05	4.08	0.02	1.7
11	1/29/2017 8:20	0.32	19.92	0.07	2.7
12	1/31/2017 3:05	0.16	16.25	0.04	1
13	2/6/2017 23:40	0.85	18.58	0.21	6.2
14	2/8/2017 18:30	0.01	0.08	0.01	1
15	2/12/2017 4:45	0.11	5.17	0.05	3.4
16	2/15/2017 3:15	0.01	0.08	0.01	2.7
17	2/22/2017 7:30	0.01	0.08	0.01	7.2
18	2/24/2017 4:10	0.01	0.08	0.01	1.9
19	2/24/2017 22:15	0.38	13	0.22	0.8
20	3/1/2017 5:20	0.74	17.33	0.36	3.8
21	3/6/2017 17:50	0.69	26.25	0.17	4.8
22	3/9/2017 20:55	0.04	1.33	0.03	2
23	3/20/2017 19:55	0.06	15.08	0.03	10.9
24	3/24/2017 2:05	0.29	3.33	0.13	2.6
25	3/26/2017 14:15	0.28	9.92	0.2	2.4
26	3/28/2017 4:45	0.03	5.42	0.01	1.2
27	3/30/2017 6:00	1.91	47.83	0.38	1.8
28	4/3/2017 20:55	0.51	6.67	0.18	2.6
29	4/5/2017 22:05	0.96	34.08	0.29	1.8
30	4/11/2017 5:25	0.06	3.83	0.03	3.9
31	4/15/2017 8:20	0.05	3.75	0.04	4
32	4/19/2017 17:35	1.21	29.08	0.55	4.2
33	4/25/2017 7:30	0.05	1.67	0.03	4.4
34	4/27/2017 15:50	0.07	2	0.05	2.3
35	4/28/2017 18:15	0.36	20.92	0.13	1
36	5/1/2017 6:50	0.49	7.17	0.35	1.7
37	5/2/2017 7:25	0.15	7.17	0.06	0.7
38	5/4/2017 10:20	1.47	58.08	0.19	1.8

Easterly WWTP Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	5/11/2017 5:05	0.14	3	0.09	4.4
40	5/13/2017 21:00	0.1	1.83	0.09	2.5
41	5/19/2017 20:00	0.15	2.83	0.09	5.9
42	5/21/2017 10:35	0.51	13.67	0.23	1.5
43	5/24/2017 14:20	0.23	6.75	0.07	2.6
44	5/25/2017 9:25	1.15	15.25	0.2	0.5
45	5/27/2017 6:10	0.01	0.08	0.01	1.2
46	5/28/2017 18:05	0.59	9.58	0.42	1.5
47	5/30/2017 0:25	0.01	0.08	0.01	0.9
48	5/31/2017 13:35	0.1	0.58	0.1	1.5
49	6/4/2017 8:55	0.12	3.25	0.09	3.8
50	6/9/2017 17:15	0.01	0.08	0.01	5.2
51	6/14/2017 18:35	0.14	15	0.1	5.1
52	6/17/2017 2:20	0.01	0.08	0.01	1.7
53	6/18/2017 17:00	0.29	3.42	0.28	1.6
54	6/19/2017 13:35	0.4	5.42	0.32	0.7
55	6/20/2017 21:15	0.26	2.67	0.15	1.1
56	6/22/2017 12:40	0.04	0.42	0.04	1.5
57	6/23/2017 6:40	0.8	15	0.53	0.7
58	6/25/2017 23:25	0.22	2.08	0.21	2.1
59	6/26/2017 23:45	0.29	4.42	0.28	0.9
60	6/29/2017 19:00	1.05	36.17	0.28	2.6
61	7/7/2017 7:45	0.22	1.33	0.21	6
62	7/10/2017 13:35	1.08	19.42	0.53	3.2
63	7/13/2017 5:30	0.68	3.67	0.38	1.9
64	7/16/2017 20:40	0.67	0.42	0.67	3.5
65	7/22/2017 8:30	0.39	14.08	0.29	5.5
66	8/3/2017 13:25	1.62	25.83	0.39	11.6
67	8/11/2017 11:05	0.31	6.58	0.29	6.8
68	8/17/2017 16:35	0.05	1.17	0.04	6
69	8/19/2017 8:10	0.06	0.42	0.06	1.6
70	8/22/2017 9:40	0.31	9.67	0.14	3
71	8/24/2017 6:45	0.13	4.17	0.06	1.5
72	8/29/2017 2:40	0.05	6.5	0.03	4.7
73	9/2/2017 13:50	0.03	17.08	0.01	4.2
74	9/4/2017 22:00	0.32	3.75	0.25	1.6
75	9/5/2017 14:05	0.34	10.42	0.3	0.5
76	9/6/2017 17:40	0.84	29.92	0.19	0.7

Easterly WWTP Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	9/13/2017 23:05	0.04	2.33	0.03	6
78	9/29/2017 11:15	0.04	4.33	0.03	15.4
79	10/5/2017 3:20	0.41	2.5	0.4	5.5
80	10/6/2017 7:00	0.1	5.75	0.04	1.1
81	10/8/2017 20:55	2.26	13.75	1.21	2.3
82	10/10/2017 4:10	0.01	0.08	0.01	0.7
83	10/11/2017 5:15	0.51	9.58	0.38	1
84	10/15/2017 14:00	0.04	1.92	0.02	4
85	10/23/2017 15:25	0.22	22.92	0.07	8
86	10/26/2017 6:30	0.02	0.5	0.02	1.7
87	10/27/2017 18:55	0.48	16.5	0.13	1.5
88	10/29/2017 5:45	0.27	8.33	0.12	0.8
89	10/30/2017 13:40	0.08	3.83	0.04	1
90	11/1/2017 21:15	0.75	7.17	0.27	2.2
91	11/2/2017 21:50	0.46	8.92	0.27	0.7
92	11/5/2017 4:15	2	27.58	1.43	1.9
93	11/15/2017 15:40	0.17	14.83	0.1	9.3
94	11/18/2017 2:20	2.16	36.67	0.4	1.8
95	11/21/2017 21:25	0.13	3.42	0.06	2.3
96	11/30/2017 12:20	0.12	2.08	0.08	8.5
97	12/5/2017 0:55	0.14	6.42	0.06	4.4
98	12/12/2017 1:05	0.1	4.25	0.03	6.7
99	12/13/2017 18:10	0.17	9.5	0.05	1.5
100	12/16/2017 12:20	0.01	0.08	0.01	2.4
101	12/22/2017 5:25	0.54	31.08	0.09	5.7
102	12/24/2017 19:30	0.08	2.92	0.04	1.3

Independence Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:45	0.9	23	0.22	2.2
2	1/5/2017 15:40	0.03	2.42	0.02	1.5
3	1/10/2017 2:20	0.38	20.25	0.11	4.3
4	1/11/2017 18:10	1.49	20.25	0.53	0.8
5	1/16/2017 15:30	0.42	20.33	0.11	4
6	1/18/2017 0:15	0.06	4.42	0.03	0.5
7	1/20/2017 5:25	0.28	5.67	0.14	2
8	1/21/2017 0:50	0.01	0.08	0.01	0.6
9	1/21/2017 20:15	0.13	4.25	0.1	0.8
10	1/23/2017 3:15	0.51	36.5	0.11	1.1
11	1/25/2017 11:30	0.04	0.5	0.04	0.8
12	1/26/2017 9:55	0.18	8.75	0.06	0.9
13	1/29/2017 9:05	0.2	23.83	0.09	2.6
14	1/31/2017 0:05	0.17	20.42	0.04	0.6
15	2/1/2017 22:05	0.02	6.08	0.01	1.1
16	2/6/2017 23:05	1.58	28.92	0.56	4.8
17	2/11/2017 18:45	0.32	17.75	0.12	3.6
18	2/15/2017 3:25	0.01	0.08	0.01	2.6
19	2/21/2017 21:50	0.06	10.58	0.05	6.8
20	2/23/2017 22:45	0.03	0.25	0.03	1.6
21	2/24/2017 22:40	0.58	4	0.38	1
22	3/1/2017 1:55	0.77	27.17	0.37	4
23	3/2/2017 21:05	0.26	13.75	0.07	0.7
24	3/6/2017 19:55	1.1	23.75	0.32	3.4
25	3/9/2017 20:50	0.05	14.75	0.02	2.1
26	3/13/2017 19:30	0.07	8.17	0.02	3.3
27	3/17/2017 19:30	0.05	0.58	0.05	3.7
28	3/18/2017 11:00	0.14	13.75	0.04	0.6
29	3/20/2017 20:25	0.04	7.33	0.02	1.8
30	3/24/2017 1:50	0.3	3.75	0.11	2.9
31	3/26/2017 14:20	0.29	9.92	0.19	2.4
32	3/28/2017 3:35	0.25	5.42	0.13	1.1
33	3/30/2017 6:00	1.69	53.67	0.19	1.9
34	4/3/2017 20:40	0.65	12.83	0.33	2.4
35	4/5/2017 22:00	1.54	34.92	0.38	1.5
36	4/11/2017 7:25	0.23	1.75	0.18	3.9
37	4/15/2017 10:35	0.04	1.83	0.03	4.1
38	4/19/2017 17:30	2.08	32.75	1.22	4.2

Independence Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/25/2017 6:45	0.03	2.42	0.02	4.2
40	4/27/2017 15:35	0.03	0.5	0.03	2.3
41	4/28/2017 17:50	0.59	21.33	0.11	1.1
42	5/1/2017 6:40	0.49	6.83	0.41	1.6
43	5/2/2017 7:25	0.35	21	0.17	0.8
44	5/4/2017 5:55	2.11	65.33	0.15	1.1
45	5/11/2017 5:00	0.18	3.25	0.12	4.2
46	5/13/2017 20:50	0.05	2.42	0.04	2.5
47	5/19/2017 19:45	0.14	1.75	0.1	5.9
48	5/20/2017 17:45	0.02	0.5	0.02	0.8
49	5/21/2017 10:20	0.46	14.5	0.23	0.7
50	5/24/2017 13:55	1.67	35.58	0.25	2.5
51	5/27/2017 3:35	0.08	1.08	0.08	1.1
52	5/28/2017 17:10	1.52	7.92	0.66	1.5
53	5/29/2017 23:55	0.19	0.25	0.19	1
54	6/4/2017 10:50	0.08	1.67	0.07	5.4
55	6/5/2017 3:25	0.03	0.17	0.03	0.6
56	6/9/2017 19:10	0.01	0.08	0.01	4.7
57	6/13/2017 12:50	0.03	0.17	0.03	3.7
58	6/14/2017 17:55	0.15	1.5	0.14	1.2
59	6/18/2017 17:05	0.28	1	0.28	3.9
60	6/19/2017 18:10	0.13	0.92	0.13	1
61	6/20/2017 22:10	0.22	2.58	0.2	1.1
62	6/23/2017 6:25	0.8	7.92	0.45	2.2
63	6/24/2017 19:25	0.37	0.33	0.37	1.2
64	6/26/2017 19:05	0.11	4.58	0.05	2
65	6/29/2017 19:15	2.91	33.5	1.79	2.8
66	7/1/2017 18:20	0.01	0.08	0.01	0.6
67	7/7/2017 7:50	0.41	1.33	0.4	5.6
68	7/10/2017 8:35	1.36	18.08	0.53	3
69	7/11/2017 16:45	0.13	2.17	0.12	0.6
70	7/12/2017 7:25	0.11	1.58	0.09	0.5
71	7/13/2017 4:50	0.43	5	0.23	0.8
72	7/16/2017 20:45	0.49	0.5	0.49	3.5
73	7/20/2017 12:40	0.02	0.08	0.02	3.6
74	7/22/2017 7:55	0.88	10.08	0.74	1.8
75	8/3/2017 22:10	0.53	17	0.18	12.2
76	8/5/2017 5:30	0.01	0.08	0.01	0.6

Independence Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/11/2017 11:40	0.21	6.67	0.14	6.3
78	8/17/2017 17:20	0.07	1	0.07	6
79	8/19/2017 8:15	0.06	0.42	0.06	1.6
80	8/22/2017 14:25	0.25	5.83	0.19	3.2
81	8/24/2017 11:55	0.44	14.75	0.38	1.7
82	8/29/2017 7:45	0.05	9.58	0.03	4.2
83	9/2/2017 12:50	0.07	17.92	0.03	3.8
84	9/4/2017 21:50	0.45	4	0.23	1.6
85	9/5/2017 14:05	0.01	0.08	0.01	0.5
86	9/6/2017 17:20	0.22	0.42	0.22	1.1
87	9/7/2017 17:35	0.01	0.08	0.01	1
88	9/8/2017 8:10	0.15	2.17	0.11	0.6
89	9/13/2017 21:50	0.22	4.83	0.19	5.5
90	10/5/2017 5:20	0.04	3.83	0.03	21.1
91	10/6/2017 5:35	0.28	7.92	0.19	0.9
92	10/7/2017 23:55	0.08	2.67	0.05	1.4
93	10/8/2017 20:15	1.88	14.92	0.94	0.7
94	10/10/2017 3:35	0.01	0.08	0.01	0.7
95	10/11/2017 4:55	0.2	10.75	0.14	1.1
96	10/15/2017 13:55	0.24	3.25	0.21	3.9
97	10/23/2017 15:10	0.23	23.75	0.05	7.9
98	10/25/2017 10:20	0.01	0.08	0.01	0.8
99	10/26/2017 11:20	0.01	0.08	0.01	1
100	10/27/2017 20:05	0.29	16.25	0.09	1.4
101	10/29/2017 8:50	0.23	15.83	0.06	0.9
102	10/30/2017 13:40	0.13	6.08	0.04	0.5
103	11/1/2017 21:20	0.69	7	0.3	2.1
104	11/3/2017 1:40	0.77	6	0.5	0.9
105	11/5/2017 0:55	1.28	32.42	0.63	1.7
106	11/13/2017 0:05	0.02	0.58	0.02	6.6
107	11/15/2017 15:35	0.18	6.67	0.11	2.6
108	11/16/2017 12:15	0.01	0.08	0.01	0.6
109	11/18/2017 2:20	2.62	40.83	0.42	1.6
110	11/21/2017 22:10	0.14	2.67	0.07	2.1
111	11/30/2017 12:45	0.15	7	0.1	8.5
112	12/5/2017 0:20	0.19	7	0.07	4.2
113	12/12/2017 2:55	0.08	6.67	0.02	6.8
114	12/13/2017 13:50	0.11	14.67	0.03	1.2

Independence Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/16/2017 7:10	0.01	0.08	0.01	2.1
116	12/18/2017 13:45	0.02	1.17	0.01	2.3
117	12/22/2017 4:55	0.5	32.5	0.11	3.6
118	12/24/2017 19:50	0.08	2.58	0.04	1.3
119	12/30/2017 12:50	0.04	11.75	0.02	5.6

James Rhodes HS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:35	0.85	23.08	0.18	2.2
2	1/5/2017 16:50	0.01	0.08	0.01	1.6
3	1/8/2017 0:55	0.02	0.33	0.02	2.3
4	1/10/2017 2:35	0.23	19.92	0.06	2.1
5	1/11/2017 18:20	1.23	19.33	0.43	0.8
6	1/16/2017 23:35	0.48	12.83	0.13	4.4
7	1/18/2017 0:45	0.05	4.75	0.02	0.5
8	1/20/2017 6:05	0.25	8.67	0.11	2
9	1/23/2017 3:35	0.46	36.92	0.11	2.5
10	1/25/2017 11:30	0.01	0.08	0.01	0.8
11	1/26/2017 9:50	0.11	13.67	0.02	0.9
12	1/29/2017 8:45	0.49	23.25	0.11	2.4
13	1/31/2017 0:15	0.16	19.67	0.04	0.7
14	2/6/2017 23:20	1.62	28.25	0.43	6.1
15	2/8/2017 18:15	0.06	13.08	0.03	0.6
16	2/12/2017 4:10	0.21	3.58	0.1	2.9
17	2/15/2017 3:15	0.01	0.08	0.01	2.8
18	2/15/2017 18:15	0.05	12.5	0.04	0.6
19	2/22/2017 7:40	0.02	0.25	0.02	6
20	2/23/2017 22:45	0.04	6.75	0.02	1.6
21	2/24/2017 22:20	0.47	4.42	0.3	0.7
22	2/26/2017 1:45	0.01	0.08	0.01	1
23	3/1/2017 5:20	0.68	23.17	0.35	3.1
24	3/2/2017 21:00	0.25	12.08	0.09	0.7
25	3/6/2017 20:05	0.73	23.75	0.18	3.5
26	3/9/2017 20:50	0.03	1.67	0.02	2
27	3/10/2017 11:25	0.01	0.08	0.01	0.5
28	3/13/2017 19:40	0.05	10.17	0.02	3.3
29	3/17/2017 19:05	0.05	1	0.05	3.6
30	3/18/2017 11:00	0.18	13.42	0.06	0.6
31	3/20/2017 23:45	0.01	0.08	0.01	2
32	3/24/2017 1:50	0.26	3.75	0.1	3.1
33	3/26/2017 14:30	0.28	9.67	0.21	2.4
34	3/28/2017 4:00	0.07	4.33	0.04	1.2
35	3/30/2017 5:45	1.6	43.08	0.23	1.9
36	4/3/2017 20:45	0.4	6.42	0.19	2.8
37	4/5/2017 22:00	1.1	34.83	0.22	1.8
38	4/11/2017 5:25	0.15	3.42	0.09	3.9

James Rhodes HS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/15/2017 10:45	0.01	0.08	0.01	4.1
40	4/19/2017 17:10	1.48	30.25	0.54	4.3
41	4/27/2017 17:25	0.1	0.17	0.1	6.8
42	4/28/2017 18:05	0.47	20.92	0.12	1
43	5/1/2017 6:35	0.37	6.83	0.27	1.7
44	5/2/2017 7:10	0.19	21	0.04	0.7
45	5/4/2017 5:55	1.73	64.17	0.15	1.1
46	5/11/2017 5:00	0.15	3.17	0.09	4.3
47	5/13/2017 20:50	0.03	0.25	0.03	2.5
48	5/19/2017 19:45	0.11	3.5	0.09	5.9
49	5/21/2017 10:15	0.4	15.08	0.17	1.5
50	5/24/2017 7:30	1.69	42.25	0.21	2.3
51	5/27/2017 4:05	0.02	0.5	0.02	1.1
52	5/28/2017 17:30	1.23	8.58	0.8	1.5
53	5/29/2017 23:55	0.03	0.17	0.03	0.9
54	6/4/2017 10:55	0.11	1.5	0.09	5.5
55	6/5/2017 3:25	0.01	0.08	0.01	0.6
56	6/9/2017 19:10	0.01	0.08	0.01	4.7
57	6/14/2017 17:55	0.1	1.08	0.1	4.9
58	6/18/2017 17:00	0.67	0.75	0.67	3.9
59	6/19/2017 13:50	0.15	5	0.11	0.8
60	6/20/2017 21:55	0.16	9.58	0.11	1.1
61	6/23/2017 6:30	1.2	15.58	0.54	2
62	6/26/2017 21:45	0.07	15.58	0.03	3
63	6/29/2017 19:05	3.11	34	2.19	2.2
64	7/7/2017 7:45	0.29	0.75	0.29	6.1
65	7/10/2017 8:35	0.8	32.17	0.39	3
66	7/12/2017 7:05	0.08	1.5	0.07	0.6
67	7/13/2017 6:00	0.32	2.5	0.2	0.9
68	7/16/2017 20:30	0.27	0.25	0.27	3.5
69	7/22/2017 8:15	1.16	2.33	1.08	5.5
70	8/3/2017 14:40	0.77	24.67	0.45	12.2
71	8/5/2017 5:10	0.04	0.33	0.04	0.6
72	8/11/2017 11:20	0.7	6.58	0.62	6.2
73	8/17/2017 16:30	0.02	0.33	0.02	5.9
74	8/19/2017 8:05	0.12	0.58	0.12	1.6
75	8/22/2017 13:35	0.58	6.25	0.31	3.2
76	8/24/2017 4:50	0.06	0.75	0.06	1.4

James Rhodes HS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/29/2017 7:55	0.07	9.75	0.05	5.1
78	9/2/2017 13:20	0.1	22	0.05	3.8
79	9/4/2017 21:50	0.21	3.5	0.11	1.4
80	9/5/2017 13:50	0.15	0.25	0.15	0.5
81	9/6/2017 17:10	0.17	8.83	0.16	1.1
82	9/7/2017 17:05	0.41	15.83	0.3	0.6
83	9/13/2017 22:45	0.03	3.25	0.01	5.6
84	9/19/2017 13:40	0.01	0.08	0.01	5.5
85	10/5/2017 0:30	0.12	4.75	0.07	15.5
86	10/6/2017 5:40	0.2	7.58	0.08	1
87	10/8/2017 2:25	0.01	0.08	0.01	1.6
88	10/8/2017 20:15	2.3	15.33	1.17	0.7
89	10/11/2017 5:00	0.31	9.42	0.19	1.7
90	10/15/2017 15:15	0.11	0.67	0.11	4
91	10/23/2017 15:10	0.21	22.92	0.1	8
92	10/27/2017 18:45	0.3	17.75	0.06	3.2
93	10/29/2017 9:05	0.42	15.08	0.1	0.9
94	10/30/2017 13:20	0.08	3.83	0.03	0.6
95	11/1/2017 21:35	0.84	6.75	0.28	2.2
96	11/3/2017 1:35	0.88	6	0.52	0.9
97	11/5/2017 2:05	1.69	29.58	0.76	1.8
98	11/15/2017 15:25	0.16	6.25	0.09	9.3
99	11/18/2017 2:15	2.61	40.42	0.47	2.2
100	11/21/2017 21:55	0.14	3.08	0.07	2.1
101	11/30/2017 12:35	0.13	1.83	0.09	8.5
102	12/5/2017 1:40	0.14	5.5	0.05	4.5
103	12/12/2017 3:05	0.09	5.5	0.04	6.8
104	12/13/2017 22:25	0.11	6.08	0.03	1.6
105	12/18/2017 13:25	0.01	0.08	0.01	4.4
106	12/22/2017 4:50	0.53	32.58	0.1	3.6
107	12/24/2017 19:55	0.11	10.83	0.05	1.3
108	12/30/2017 22:05	0.05	2.25	0.03	5.6

Jennings PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:40	0.88	23	0.19	2.2
2	1/5/2017 16:25	0.02	1.17	0.01	1.5
3	1/8/2017 0:50	0.02	0.25	0.02	2.3
4	1/10/2017 2:30	0.35	20	0.09	2.1
5	1/11/2017 18:20	1.21	19.08	0.36	0.8
6	1/16/2017 15:50	0.52	20	0.14	4.1
7	1/18/2017 0:05	0.05	5.25	0.02	0.5
8	1/20/2017 5:55	0.29	9.17	0.12	2
9	1/23/2017 3:35	0.29	5.08	0.12	2.5
10	1/23/2017 23:25	0.12	6.58	0.04	0.6
11	1/25/2017 11:20	0.02	0.33	0.02	1.2
12	1/26/2017 10:05	0.11	8.08	0.05	0.9
13	1/27/2017 7:50	0.04	10.58	0.03	0.6
14	1/28/2017 19:10	0.01	0.08	0.01	1
15	1/29/2017 8:45	0.72	23.08	0.21	0.6
16	1/30/2017 23:55	0.23	20	0.04	0.7
17	2/6/2017 23:10	1.64	28.58	0.42	6.1
18	2/8/2017 19:50	0.06	11.58	0.03	0.7
19	2/11/2017 17:35	0.22	18.83	0.08	2.4
20	2/15/2017 3:15	0.06	15.75	0.04	2.6
21	2/24/2017 4:10	0.03	1.08	0.02	8.4
22	2/24/2017 22:15	0.59	4.17	0.43	0.7
23	2/26/2017 1:05	0.02	4.25	0.01	0.9
24	3/1/2017 5:20	0.71	22.42	0.32	3
25	3/2/2017 20:55	0.17	12	0.05	0.7
26	3/6/2017 19:50	0.82	23.75	0.17	3.5
27	3/9/2017 20:35	0.05	15.08	0.03	2
28	3/13/2017 19:35	0.08	9.33	0.02	3.3
29	3/14/2017 18:55	0.01	0.08	0.01	0.6
30	3/17/2017 18:40	0.08	1.58	0.06	3
31	3/18/2017 11:00	0.16	12.75	0.05	0.6
32	3/20/2017 20:20	0.02	3.58	0.01	1.9
33	3/24/2017 1:55	0.31	3.58	0.12	3.1
34	3/26/2017 14:25	0.45	15.17	0.37	2.4
35	3/28/2017 4:30	0.06	3.83	0.04	1
36	3/30/2017 5:45	1.55	44.83	0.25	1.9
37	4/3/2017 20:45	0.45	6.5	0.25	2.8
38	4/5/2017 22:25	1.29	34.33	0.19	1.8

Jennings PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/11/2017 5:30	0.22	3.67	0.14	3.9
40	4/15/2017 11:40	0.02	0.25	0.02	4.1
41	4/19/2017 17:15	1.6	31.25	0.57	4.2
42	4/25/2017 7:20	0.04	2.17	0.02	4.3
43	4/27/2017 15:30	0.17	3.42	0.14	2.3
44	4/28/2017 20:10	0.45	18.92	0.12	1.1
45	5/1/2017 6:35	0.36	6.92	0.23	1.6
46	5/2/2017 7:15	0.08	6	0.04	0.7
47	5/3/2017 1:55	0.07	1.42	0.06	0.5
48	5/4/2017 6:00	1.78	65.33	0.15	1.1
49	5/11/2017 5:00	0.12	1.83	0.08	4.2
50	5/13/2017 20:50	0.07	4.33	0.04	2.6
51	5/19/2017 19:50	0.11	1.67	0.1	5.8
52	5/20/2017 17:45	0.01	0.08	0.01	0.8
53	5/21/2017 10:25	0.36	13.67	0.17	0.7
54	5/24/2017 7:10	1.71	41.08	0.23	2.3
55	5/27/2017 3:55	0.03	0.92	0.03	1.2
56	5/28/2017 17:20	1.12	7.75	0.74	1.5
57	5/30/2017 0:00	0.02	0.17	0.02	1
58	6/4/2017 8:20	0.12	4	0.08	5.3
59	6/9/2017 19:05	0.02	0.17	0.02	5.3
60	6/14/2017 18:15	0.12	0.83	0.12	5
61	6/18/2017 17:00	0.54	0.83	0.54	3.9
62	6/19/2017 13:55	0.13	5.17	0.11	0.8
63	6/20/2017 22:00	0.12	1.83	0.08	1.1
64	6/23/2017 6:30	1.24	15.58	0.53	2.3
65	6/26/2017 21:50	0.05	11.08	0.02	3
66	6/29/2017 18:55	3.71	34.42	2.4	2.4
67	7/7/2017 7:45	0.19	0.83	0.19	6.1
68	7/10/2017 8:40	0.89	18	0.37	3
69	7/11/2017 16:35	0.02	0.25	0.02	0.6
70	7/12/2017 7:10	0.07	1.42	0.05	0.6
71	7/13/2017 5:55	0.34	2.67	0.2	0.9
72	7/16/2017 20:35	0.17	0.42	0.17	3.5
73	7/22/2017 8:00	0.71	9.67	0.61	5.5
74	8/3/2017 17:00	0.72	22.33	0.3	12
75	8/5/2017 4:45	0.09	1.25	0.08	0.6
76	8/10/2017 16:05	0.01	0.08	0.01	5.4

Jennings PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/11/2017 11:15	0.89	7.17	0.75	0.8
78	8/17/2017 16:30	0.02	0.42	0.02	5.9
79	8/19/2017 8:05	0.12	0.58	0.12	1.6
80	8/21/2017 16:40	0.07	0.33	0.07	2.3
81	8/22/2017 8:00	0.37	12.83	0.21	0.6
82	8/24/2017 4:50	0.02	0.33	0.02	1.3
83	8/24/2017 20:20	0.08	9.92	0.06	0.6
84	8/29/2017 8:05	0.06	9.5	0.05	4.1
85	9/2/2017 13:10	0.09	17.42	0.05	3.8
86	9/4/2017 21:35	0.34	16.58	0.13	1.6
87	9/6/2017 4:10	0.71	52.42	0.25	0.6
88	9/13/2017 22:40	0.04	3.5	0.02	5.6
89	10/5/2017 0:35	0.14	4.67	0.09	20.9
90	10/6/2017 5:55	0.17	7.25	0.05	1
91	10/7/2017 5:05	0.01	0.08	0.01	0.7
92	10/8/2017 1:30	0.02	1.42	0.01	0.9
93	10/8/2017 20:25	2.02	14.33	1.02	0.7
94	10/10/2017 4:15	0.01	0.08	0.01	0.7
95	10/11/2017 5:00	0.4	9.67	0.27	1
96	10/15/2017 15:15	0.11	1.75	0.1	4
97	10/23/2017 15:15	0.3	22.83	0.09	7.9
98	10/26/2017 8:10	0.06	0.5	0.06	1.8
99	10/27/2017 18:45	0.35	18.08	0.07	1.4
100	10/29/2017 8:40	0.25	9.25	0.08	0.8
101	10/30/2017 13:30	0.12	3.83	0.04	0.8
102	11/1/2017 21:30	0.86	6.92	0.3	2.2
103	11/3/2017 1:35	0.79	5.67	0.5	0.9
104	11/5/2017 2:10	1.76	29.75	0.84	1.8
105	11/15/2017 15:30	0.18	14.75	0.1	9.3
106	11/18/2017 2:15	2.92	39.42	0.48	1.8
107	11/21/2017 21:40	0.18	4.83	0.09	2.2
108	11/30/2017 12:40	0.14	1.58	0.1	8.4
109	12/5/2017 0:20	0.22	6.92	0.07	4.4
110	12/11/2017 13:15	0.01	0.08	0.01	6.3
111	12/12/2017 2:30	0.15	6.42	0.06	0.6
112	12/13/2017 14:35	0.24	14	0.06	1.2
113	12/16/2017 5:10	0.01	0.08	0.01	2
114	12/18/2017 13:25	0.01	0.08	0.01	2.3

Jennings PS Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/22/2017 4:50	0.63	32.33	0.12	3.6
116	12/24/2017 19:40	0.12	2.75	0.06	1.3
117	12/27/2017 7:45	0.01	0.08	0.01	2.4
118	12/29/2017 23:50	0.01	0.08	0.01	2.7
119	12/30/2017 12:35	0.05	20.08	0.02	0.5

Macedonia Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/2/2017 7:40	0.02	0.83	0.02	1.3
2	1/3/2017 4:55	0.91	23.92	0.22	0.9
3	1/5/2017 15:20	0.04	2.92	0.02	1.4
4	1/10/2017 2:30	0.57	20.33	0.14	4.3
5	1/11/2017 18:10	2.08	23.75	0.69	0.8
6	1/16/2017 15:15	0.41	18.42	0.14	3.9
7	1/18/2017 0:40	0.07	5.17	0.04	0.6
8	1/20/2017 5:40	0.23	13.33	0.12	2
9	1/21/2017 20:15	0.14	5.08	0.11	1.1
10	1/22/2017 22:25	0.45	44.08	0.08	0.9
11	1/25/2017 11:45	0.05	1.67	0.04	0.7
12	1/26/2017 10:10	0.14	7.42	0.04	0.9
13	1/29/2017 9:50	0.26	23.33	0.12	2.7
14	1/31/2017 0:05	0.19	20.5	0.04	0.6
15	2/1/2017 19:45	0.02	11	0.01	1
16	2/6/2017 23:10	1.28	29.5	0.3	4.7
17	2/8/2017 18:20	0.11	19.67	0.03	0.6
18	2/12/2017 3:10	0.31	14.25	0.13	2.6
19	2/15/2017 3:40	0.02	0.25	0.02	2.4
20	2/15/2017 18:40	0.07	12.08	0.04	0.6
21	2/21/2017 21:35	0.09	11.08	0.05	5.6
22	2/23/2017 22:30	0.15	0.58	0.15	1.6
23	2/24/2017 23:10	0.65	15	0.26	1
24	3/1/2017 2:05	0.47	26.25	0.17	3.5
25	3/2/2017 21:25	0.3	15.25	0.08	0.7
26	3/6/2017 19:55	1.05	24.42	0.25	3.3
27	3/9/2017 21:05	0.12	19.33	0.04	2
28	3/13/2017 20:45	0.19	29.25	0.03	3.2
29	3/17/2017 19:25	0.1	2.17	0.09	2.7
30	3/18/2017 13:45	0.11	12.33	0.04	0.7
31	3/20/2017 20:30	0.04	3.83	0.03	1.8
32	3/24/2017 2:15	0.28	3.33	0.12	3.1
33	3/26/2017 14:50	0.81	9.83	0.64	2.4
34	3/28/2017 3:10	0.37	17.5	0.17	1.1
35	3/30/2017 5:55	1.47	50.5	0.21	1.4
36	4/3/2017 20:35	1.1	13.08	0.73	2.5
37	4/5/2017 22:30	1.3	40.92	0.17	1.5
38	4/11/2017 8:30	0.2	1.67	0.17	3.7

Macedonia Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/15/2017 11:40	0.02	0.33	0.02	4.1
40	4/19/2017 17:55	1.77	11.67	1.35	4.3
41	4/20/2017 19:40	0.33	6.83	0.28	0.6
42	4/25/2017 8:30	0.01	0.08	0.01	4.3
43	4/27/2017 16:25	0.01	0.08	0.01	2.3
44	4/28/2017 17:25	0.87	21.42	0.18	1
45	5/1/2017 7:15	1.23	6.33	1.11	1.7
46	5/2/2017 8:55	0.02	1.75	0.01	0.8
47	5/3/2017 2:45	0.14	2.58	0.1	0.7
48	5/4/2017 10:15	2.06	61.17	0.16	1.2
49	5/11/2017 5:00	0.17	3.67	0.12	4.2
50	5/13/2017 21:15	0.05	4.08	0.04	2.5
51	5/18/2017 20:30	0.11	0.42	0.11	4.8
52	5/19/2017 16:05	0.13	5.42	0.1	0.8
53	5/21/2017 10:20	0.74	12	0.49	1.5
54	5/24/2017 11:55	1.22	37.75	0.14	2.6
55	5/27/2017 3:20	0.13	2.17	0.09	1.1
56	5/28/2017 18:25	1.89	7.67	1.19	1.5
57	5/29/2017 16:25	0.18	12.08	0.15	0.6
58	6/4/2017 8:05	0.19	4.83	0.09	5.2
59	6/6/2017 11:15	0.02	0.17	0.02	1.9
60	6/9/2017 22:00	0.01	0.08	0.01	3.4
61	6/13/2017 13:20	0.05	0.25	0.05	3.6
62	6/14/2017 18:10	0.45	1.58	0.44	1.2
63	6/16/2017 22:55	0.04	0.67	0.04	2.1
64	6/18/2017 17:20	0.09	0.92	0.09	1.7
65	6/19/2017 14:30	0.07	4.5	0.05	0.8
66	6/20/2017 22:25	0.09	5.83	0.08	1.1
67	6/23/2017 6:35	0.7	16.42	0.49	2.1
68	6/24/2017 19:50	0.02	0.08	0.02	0.9
69	6/26/2017 19:30	0.1	6.67	0.04	2
70	6/29/2017 19:35	1.82	35.92	0.42	2.7
71	7/7/2017 8:00	0.24	1.42	0.23	6
72	7/10/2017 8:10	1.39	18.67	1.05	3
73	7/12/2017 7:30	0.1	1.25	0.09	1.2
74	7/13/2017 4:45	0.62	4.83	0.26	0.8
75	7/16/2017 21:10	0.27	0.42	0.27	3.5
76	7/20/2017 13:10	0.01	0.08	0.01	3.7

Macedonia Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	7/22/2017 8:10	2.3	9.08	2.12	1.8
78	8/2/2017 18:40	1.39	13.67	1.37	11.1
79	8/4/2017 7:05	0.9	8.42	0.61	1
80	8/11/2017 11:55	0.18	2.42	0.14	6.9
81	8/17/2017 17:15	0.44	13.5	0.39	6.1
82	8/19/2017 8:25	0.12	0.5	0.12	1.1
83	8/22/2017 14:30	0.2	15	0.14	3.2
84	8/24/2017 20:40	0.02	1.17	0.01	1.6
85	8/29/2017 0:45	0.08	6.08	0.07	4.1
86	9/2/2017 12:30	0.13	18.33	0.04	4.2
87	9/4/2017 6:35	0.01	0.08	0.01	1
88	9/4/2017 22:10	0.29	17.17	0.09	0.6
89	9/6/2017 17:50	0.12	8.83	0.11	1.1
90	9/7/2017 17:40	0.22	18.25	0.1	0.6
91	9/13/2017 21:40	0.25	4.08	0.21	5.4
92	10/5/2017 6:20	0.07	2	0.06	21.2
93	10/6/2017 4:40	0.49	10.08	0.26	0.9
94	10/7/2017 23:55	0.15	2.08	0.09	1.4
95	10/8/2017 19:35	1.48	14.75	0.66	0.7
96	10/10/2017 2:35	0.02	9	0.01	0.7
97	10/11/2017 5:10	0.24	10.17	0.19	0.7
98	10/12/2017 10:20	0.01	0.08	0.01	0.8
99	10/14/2017 6:45	0.01	0.08	0.01	1.9
100	10/15/2017 14:25	0.19	3	0.17	1.3
101	10/23/2017 15:05	0.56	25.33	0.18	7.9
102	10/25/2017 9:05	0.02	1.42	0.01	0.7
103	10/26/2017 9:25	0.01	0.08	0.01	1
104	10/27/2017 20:10	0.37	20.33	0.1	1.4
105	10/29/2017 11:00	0.09	13.92	0.03	0.8
106	10/30/2017 14:00	0.12	3.42	0.05	0.5
107	11/1/2017 13:20	0.63	18.83	0.21	1.8
108	11/3/2017 2:55	0.6	6.08	0.28	0.8
109	11/5/2017 8:00	1.19	25	0.45	2
110	11/7/2017 8:20	0.01	0.08	0.01	1
111	11/12/2017 23:15	0.13	12.25	0.06	5.6
112	11/15/2017 15:45	0.21	14.92	0.1	2.2
113	11/18/2017 2:30	2.88	40.58	0.44	1.8
114	11/21/2017 22:30	0.16	3	0.08	2.1

Macedonia Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	11/30/2017 12:50	0.15	1.75	0.1	8.5
116	12/5/2017 0:35	0.29	7.67	0.1	4.4
117	12/11/2017 17:05	0.25	19.33	0.07	6.4
118	12/13/2017 13:45	0.22	15	0.04	1.1
119	12/16/2017 4:40	0.02	1	0.02	2
120	12/18/2017 13:40	0.02	0.58	0.02	2.3
121	12/22/2017 6:45	0.69	31.08	0.13	3.7
122	12/24/2017 19:30	0.09	3.17	0.04	1.2
123	12/30/2017 0:05	0.01	0.08	0.01	5.1
124	12/30/2017 13:05	0.17	22.25	0.05	0.5

Maple Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:55	0.85	22.92	0.19	2.2
2	1/5/2017 17:10	0.01	0.08	0.01	1.6
3	1/8/2017 1:05	0.01	0.08	0.01	2.3
4	1/10/2017 3:00	0.34	19.67	0.11	2.1
5	1/11/2017 18:20	1.61	19.83	0.72	0.8
6	1/16/2017 23:45	0.42	12.33	0.11	4.4
7	1/18/2017 0:25	0.08	17.33	0.03	0.5
8	1/20/2017 6:05	0.28	8.25	0.15	1.5
9	1/21/2017 17:50	0.11	6.75	0.05	1.1
10	1/23/2017 3:45	0.2	5.92	0.09	1.1
11	1/23/2017 23:10	0.12	17	0.04	0.6
12	1/25/2017 11:30	0.03	0.5	0.03	0.8
13	1/26/2017 10:10	0.11	8.17	0.03	0.9
14	1/29/2017 9:05	0.51	23.25	0.13	2.6
15	1/31/2017 0:15	0.17	20.08	0.03	0.7
16	2/6/2017 23:10	1.57	29	0.57	6.1
17	2/8/2017 20:00	0.02	1.08	0.02	0.7
18	2/9/2017 14:05	0.01	0.08	0.01	0.7
19	2/12/2017 3:10	0.23	5.92	0.1	2.5
20	2/15/2017 3:35	0.01	0.08	0.01	2.8
21	2/15/2017 18:15	0.01	0.08	0.01	0.6
22	2/21/2017 21:55	0.19	10.58	0.18	6.2
23	2/23/2017 23:00	0.02	0.42	0.02	1.6
24	2/24/2017 22:40	0.56	4	0.34	1
25	3/1/2017 1:55	0.71	26.17	0.38	4
26	3/2/2017 21:20	0.15	11.83	0.06	0.7
27	3/6/2017 20:00	0.96	23.67	0.19	3.5
28	3/9/2017 20:50	0.04	9	0.02	2.1
29	3/13/2017 20:00	0.04	8.08	0.01	3.6
30	3/17/2017 18:50	0.06	1.25	0.05	3.6
31	3/18/2017 13:40	0.1	10.33	0.04	0.7
32	3/20/2017 20:15	0.04	3.67	0.02	1.8
33	3/24/2017 2:00	0.31	3.92	0.12	3.1
34	3/26/2017 14:15	0.22	9.83	0.1	2.4
35	3/28/2017 3:45	0.24	3.08	0.14	1.2
36	3/30/2017 5:55	1.32	46	0.16	2
37	4/3/2017 20:40	0.61	11.75	0.31	2.7
38	4/5/2017 22:35	1.26	34.33	0.29	1.6

Maple Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/11/2017 7:55	0.21	1.33	0.17	4
40	4/15/2017 10:35	0.04	1.83	0.03	4.1
41	4/19/2017 17:25	1.69	33.08	0.72	4.2
42	4/25/2017 8:15	0.02	0.83	0.02	4.2
43	4/27/2017 16:05	0.06	0.08	0.06	2.3
44	4/28/2017 18:15	0.51	20.92	0.11	1.1
45	5/1/2017 6:50	0.33	6.83	0.26	1.7
46	5/2/2017 7:35	0.22	21.08	0.06	0.8
47	5/4/2017 10:05	1.88	61	0.16	1.2
48	5/11/2017 5:05	0.15	2.92	0.07	4.3
49	5/13/2017 21:10	0.05	4.33	0.03	2.6
50	5/19/2017 20:00	0.16	3.75	0.11	5.8
51	5/21/2017 10:25	0.65	11.17	0.35	1.4
52	5/24/2017 14:05	1.63	34.75	0.33	2.7
53	5/27/2017 4:05	0.02	0.5	0.02	1.1
54	5/28/2017 17:20	1.8	10.08	1.1	1.5
55	5/30/2017 0:05	0.11	0.25	0.11	0.9
56	6/4/2017 11:00	0.12	1.5	0.09	5.4
57	6/5/2017 3:25	0.01	0.08	0.01	0.6
58	6/9/2017 19:20	0.02	0.17	0.02	4.7
59	6/14/2017 18:15	0.24	1.08	0.23	5
60	6/18/2017 17:10	0.55	1	0.55	3.9
61	6/19/2017 18:25	0.11	0.75	0.11	1
62	6/20/2017 22:05	0.11	1.92	0.08	1.1
63	6/23/2017 6:35	1.11	17.33	0.7	2.3
64	6/24/2017 19:35	0.02	0.33	0.02	0.8
65	6/26/2017 17:45	0.12	15.5	0.05	1.9
66	6/29/2017 19:20	2.68	33.67	1.57	2.4
67	7/7/2017 8:00	0.14	0.92	0.14	6.1
68	7/10/2017 8:50	0.98	18.17	0.49	3
69	7/12/2017 7:05	0.07	1.67	0.05	1.2
70	7/13/2017 5:25	0.33	3.17	0.19	0.9
71	7/16/2017 20:55	0.2	0.5	0.2	3.5
72	7/22/2017 8:25	0.66	2.58	0.56	5.5
73	8/2/2017 17:20	0.02	3.08	0.01	11.3
74	8/3/2017 14:30	0.04	0.08	0.04	0.8
75	8/4/2017 7:15	0.55	8.17	0.2	0.7
76	8/5/2017 3:50	0.06	2.25	0.05	0.5

Maple Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/10/2017 19:45	0.01	0.08	0.01	5.6
78	8/11/2017 11:35	0.26	6.83	0.21	0.7
79	8/17/2017 16:50	0.06	1	0.06	5.9
80	8/19/2017 8:20	0.08	0.42	0.08	1.6
81	8/21/2017 17:00	0.02	0.17	0.02	2.3
82	8/22/2017 13:35	0.44	6.5	0.29	0.9
83	8/24/2017 20:45	0.02	0.17	0.02	2
84	8/29/2017 8:30	0.01	0.08	0.01	4.5
85	9/2/2017 20:10	0.06	10.58	0.04	4.5
86	9/4/2017 21:50	0.29	3.83	0.12	1.6
87	9/5/2017 14:10	0.03	0.58	0.03	0.5
88	9/6/2017 17:10	0.18	9	0.17	1.1
89	9/7/2017 17:25	0.16	15.33	0.08	0.6
90	9/13/2017 22:20	0.12	12.58	0.1	5.6
91	10/5/2017 0:45	0.11	4.67	0.08	20.6
92	10/6/2017 6:20	0.15	7.33	0.07	1
93	10/8/2017 0:00	0.09	2.83	0.06	1.4
94	10/8/2017 20:20	1.83	15.33	0.96	0.7
95	10/11/2017 5:05	0.2	9.75	0.12	1.7
96	10/15/2017 14:05	0.11	1.83	0.08	4
97	10/23/2017 15:15	0.25	23.67	0.08	8
98	10/26/2017 7:55	0.02	0.33	0.02	1.7
99	10/27/2017 19:50	0.38	15.67	0.11	1.5
100	10/29/2017 6:55	0.09	11.33	0.03	0.8
101	10/30/2017 13:35	0.06	3.33	0.02	0.8
102	11/1/2017 21:15	0.72	7.17	0.3	2.2
103	11/3/2017 1:40	0.84	5.25	0.46	0.9
104	11/5/2017 1:05	1.33	31.67	0.7	1.8
105	11/10/2017 0:40	0.01	0.08	0.01	3.7
106	11/13/2017 0:30	0.01	0.08	0.01	3
107	11/15/2017 15:45	0.15	14.42	0.08	2.6
108	11/18/2017 2:25	2.48	41.33	0.33	1.8
109	11/21/2017 22:00	0.16	3.17	0.08	2.1
110	11/30/2017 12:55	0.12	1.67	0.08	8.5
111	12/5/2017 0:20	0.22	7.08	0.08	4.4
112	12/12/2017 3:00	0.13	6.33	0.04	6.8
113	12/13/2017 14:10	0.11	14.08	0.04	1.2
114	12/18/2017 13:35	0.02	0.58	0.02	4.4

Maple Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/22/2017 5:00	0.5	32.42	0.11	3.6
116	12/24/2017 19:30	0.09	3	0.04	1.3
117	12/30/2017 21:05	0.04	3.42	0.03	5.9

Mayfield Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 5:15	0.85	22.83	0.2	2.2
2	1/5/2017 16:55	0.01	0.08	0.01	1.5
3	1/8/2017 0:25	0.01	0.08	0.01	2.3
4	1/10/2017 2:50	0.49	19.83	0.1	2.1
5	1/11/2017 18:40	1.88	19	0.72	0.8
6	1/17/2017 0:10	0.93	30.25	0.22	4.4
7	1/20/2017 5:50	0.22	9.58	0.1	2
8	1/21/2017 20:40	0.11	11.33	0.07	1.2
9	1/23/2017 4:35	0.09	5	0.04	0.9
10	1/23/2017 23:15	0.11	19.25	0.03	0.6
11	1/26/2017 7:45	0.11	7.08	0.03	1.6
12	1/27/2017 3:40	0.05	14.92	0.02	0.5
13	1/28/2017 20:40	0.01	0.08	0.01	1.1
14	1/29/2017 9:00	0.62	21.58	0.13	0.5
15	1/31/2017 0:05	0.39	20.17	0.07	0.7
16	2/1/2017 21:55	0.03	5.67	0.02	1.1
17	2/6/2017 23:35	1.6	29.25	0.35	4.8
18	2/8/2017 18:55	0.07	4.83	0.03	0.6
19	2/11/2017 20:35	0.25	16	0.1	2.9
20	2/15/2017 1:40	0.22	23	0.06	2.5
21	2/22/2017 7:40	0.01	0.08	0.01	6.3
22	2/23/2017 23:35	0.02	5.58	0.01	1.7
23	2/24/2017 23:00	0.68	3.83	0.37	0.7
24	2/25/2017 14:50	0.05	12.25	0.03	0.5
25	3/1/2017 5:30	0.86	22.5	0.4	3.1
26	3/2/2017 22:40	0.07	9.92	0.03	0.8
27	3/6/2017 16:00	1.13	28.58	0.21	3.3
28	3/9/2017 20:40	0.03	1.17	0.02	2
29	3/13/2017 19:40	0.29	32.67	0.1	3.9
30	3/17/2017 19:00	0.03	0.92	0.03	2.6
31	3/18/2017 11:30	0.14	7.17	0.05	0.7
32	3/20/2017 20:15	0.06	3.67	0.04	2.1
33	3/24/2017 2:10	0.25	3.17	0.13	3.1
34	3/26/2017 14:15	0.46	10.33	0.32	2.4
35	3/28/2017 4:20	0.07	6.5	0.05	1.2
36	3/30/2017 5:55	1.67	50.42	0.26	1.8
37	4/3/2017 19:55	0.59	7.58	0.35	2.5
38	4/5/2017 22:50	1.4	34	0.2	1.8

Mayfield Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/11/2017 5:45	0.23	4.08	0.15	3.9
40	4/15/2017 10:40	0.06	1.67	0.05	4
41	4/19/2017 17:00	2.07	33.25	0.71	4.2
42	4/25/2017 6:55	0.02	2.08	0.01	4.2
43	4/27/2017 16:10	0.04	0.33	0.04	2.3
44	4/28/2017 18:20	0.37	21	0.1	1.1
45	5/1/2017 7:00	0.48	6.67	0.38	1.7
46	5/2/2017 7:40	0.12	18.33	0.04	0.8
47	5/4/2017 9:55	2.38	60.17	0.18	1.3
48	5/11/2017 5:20	0.11	2.58	0.07	4.3
49	5/13/2017 20:00	0.06	1.67	0.05	2.5
50	5/16/2017 9:20	0.01	0.08	0.01	2.5
51	5/19/2017 20:10	0.18	1.92	0.15	3.5
52	5/21/2017 10:40	0.71	13.92	0.5	1.5
53	5/24/2017 9:35	1.58	46	0.19	2.4
54	5/27/2017 5:15	0.01	0.08	0.01	0.9
55	5/28/2017 17:55	1.67	10.17	1.26	1.5
56	5/30/2017 0:20	0.02	4.5	0.01	0.8
57	6/4/2017 8:25	0.14	4	0.09	5.2
58	6/9/2017 19:10	0.01	0.08	0.01	5.3
59	6/14/2017 18:50	0.15	1.75	0.14	5
60	6/16/2017 22:30	0.13	0.75	0.13	2.1
61	6/18/2017 17:20	0.7	25.75	0.52	1.8
62	6/20/2017 21:30	0.34	2.58	0.23	1.1
63	6/22/2017 13:00	0.03	0.08	0.03	1.5
64	6/23/2017 6:45	1.07	15.5	0.59	0.7
65	6/25/2017 22:15	0.06	2.17	0.04	2
66	6/26/2017 22:20	0.15	11.08	0.06	0.9
67	6/29/2017 19:20	1.93	34.42	1.18	2.4
68	7/7/2017 8:05	0.12	0.83	0.12	6.1
69	7/10/2017 13:55	0.79	18.92	0.43	3.2
70	7/13/2017 5:50	0.47	3.5	0.23	1.9
71	7/14/2017 0:50	0.01	0.08	0.01	0.6
72	7/16/2017 21:00	0.46	0.25	0.46	2.8
73	7/22/2017 8:40	0.6	2.67	0.53	5.5
74	8/2/2017 18:05	0.51	3.17	0.5	11.3
75	8/3/2017 15:25	0.51	24.42	0.1	0.8
76	8/6/2017 19:45	0.01	0.08	0.01	2.2

Mayfield Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/10/2017 15:30	0.79	26.67	0.36	3.8
78	8/17/2017 15:10	0.11	2.25	0.08	5.9
79	8/19/2017 8:20	0.17	0.5	0.17	1.6
80	8/21/2017 17:35	0.01	0.08	0.01	2.4
81	8/22/2017 14:00	0.18	6.08	0.15	0.9
82	8/24/2017 6:45	0.23	14.83	0.11	1.4
83	8/29/2017 2:00	0.06	6	0.03	4.2
84	9/2/2017 13:15	0.06	17.67	0.02	4.2
85	9/4/2017 21:45	1.2	81.83	0.36	1.6
86	9/9/2017 3:50	0.01	0.08	0.01	0.8
87	9/13/2017 22:40	0.1	1.08	0.1	4.8
88	9/15/2017 4:00	0.01	0.08	0.01	1.2
89	9/19/2017 13:25	0.01	0.08	0.01	4.4
90	9/29/2017 11:30	0.14	9.08	0.12	9.9
91	10/5/2017 0:10	0.27	4.17	0.16	5.2
92	10/6/2017 3:55	0.14	8.75	0.06	1
93	10/7/2017 4:50	0.01	0.08	0.01	0.7
94	10/8/2017 0:05	0.08	2.33	0.05	0.8
95	10/8/2017 20:05	1.91	17.83	0.97	0.7
96	10/10/2017 6:30	0.01	0.08	0.01	0.7
97	10/11/2017 5:45	0.61	9.42	0.47	1
98	10/15/2017 15:30	0.1	10.67	0.05	4
99	10/23/2017 15:25	0.31	11.25	0.08	7.6
100	10/24/2017 14:40	0.03	0.83	0.03	0.5
101	10/26/2017 4:25	0.05	2.08	0.03	1.5
102	10/27/2017 19:15	0.43	17.42	0.1	1.5
103	10/29/2017 6:50	0.24	16.58	0.06	0.8
104	10/30/2017 13:40	0.15	3.83	0.05	0.6
105	11/1/2017 20:15	0.93	8.42	0.31	2.1
106	11/3/2017 1:50	0.71	6.75	0.41	0.9
107	11/5/2017 2:30	1.67	29.42	0.83	1.8
108	11/10/2017 12:45	0.01	0.08	0.01	4.2
109	11/15/2017 16:00	0.18	6.5	0.1	5.1
110	11/18/2017 2:30	3.22	39.08	0.44	2.2
111	11/21/2017 21:35	0.31	4.83	0.1	2.2
112	11/30/2017 12:35	0.17	1.92	0.13	8.4
113	12/5/2017 0:20	0.32	7.58	0.09	4.4
114	12/10/2017 6:00	0.01	0.08	0.01	4.9

Mayfield Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/12/2017 1:15	0.17	7	0.05	1.8
116	12/13/2017 15:35	0.25	12.83	0.09	1.3
117	12/16/2017 5:00	0.01	0.08	0.01	2
118	12/18/2017 10:15	0.01	0.08	0.01	2.2
119	12/19/2017 11:05	0.01	0.08	0.01	1
120	12/22/2017 5:10	0.58	32.17	0.11	2.8
121	12/24/2017 19:05	0.15	7.33	0.05	1.2
122	12/27/2017 3:00	0.06	11.5	0.02	2
123	12/29/2017 3:25	0.01	0.08	0.01	1.5
124	12/30/2017 2:45	0.01	0.08	0.01	1
125	12/30/2017 19:35	0.02	3.5	0.01	0.7

Moreland Hills Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/2/2017 8:55	0.01	0.08	0.01	1.4
2	1/3/2017 5:15	0.76	22.75	0.14	0.8
3	1/5/2017 12:35	0.1	6.83	0.03	1.4
4	1/8/2017 0:50	0.06	1.83	0.05	2.2
5	1/10/2017 2:45	0.49	20	0.13	2
6	1/11/2017 18:25	1.61	20.08	0.69	0.8
7	1/16/2017 15:55	0.59	50.42	0.11	4.1
8	1/20/2017 6:00	0.2	8.08	0.1	1.5
9	1/21/2017 4:40	0.01	0.08	0.01	0.6
10	1/21/2017 20:25	0.13	5.42	0.06	0.7
11	1/23/2017 4:30	0.3	40.17	0.06	1.1
12	1/25/2017 11:50	0.02	0.25	0.02	0.6
13	1/26/2017 8:55	0.3	10.25	0.07	0.9
14	1/27/2017 7:40	0.09	37.33	0.04	0.5
15	1/29/2017 9:15	0.93	24.67	0.19	0.5
16	1/31/2017 0:15	0.39	20.58	0.05	0.6
17	2/1/2017 10:05	0.02	0.58	0.02	0.6
18	2/2/2017 4:00	0.01	0.08	0.01	0.7
19	2/3/2017 11:25	0.01	0.08	0.01	1.3
20	2/6/2017 23:25	1.57	29.17	0.56	3.5
21	2/8/2017 18:15	0.12	19.58	0.04	0.6
22	2/12/2017 3:10	0.24	9.42	0.08	2.6
23	2/15/2017 3:30	0.15	23.08	0.03	2.6
24	2/22/2017 7:50	0.15	0.83	0.15	6.2
25	2/23/2017 21:50	0.11	8.25	0.08	1.6
26	2/24/2017 23:10	0.72	27.33	0.29	0.7
27	3/1/2017 2:05	0.8	25.92	0.33	3
28	3/2/2017 21:30	0.3	12.83	0.1	0.7
29	3/6/2017 20:00	1.22	25.17	0.19	3.4
30	3/9/2017 21:00	0.1	18.83	0.03	2
31	3/13/2017 19:25	0.37	32.58	0.06	3.2
32	3/17/2017 18:45	0.06	1.33	0.04	2.6
33	3/18/2017 11:20	0.11	7.08	0.04	0.6
34	3/19/2017 8:50	0.01	0.08	0.01	0.6
35	3/20/2017 20:20	0.13	3.75	0.08	1.5
36	3/24/2017 2:10	0.35	3.58	0.14	3.1
37	3/26/2017 14:20	0.74	10.08	0.59	2.4
38	3/28/2017 3:50	0.21	4.92	0.13	1.1

Moreland Hills Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	3/30/2017 6:00	1.52	50.67	0.19	1.9
40	4/3/2017 19:45	0.73	14.08	0.39	2.5
41	4/5/2017 22:45	1.68	35.42	0.17	1.5
42	4/11/2017 7:20	0.23	2.42	0.17	3.9
43	4/15/2017 10:50	0.04	1	0.04	4
44	4/19/2017 17:35	1.37	33	0.42	4.2
45	4/25/2017 6:55	0.02	2	0.01	4.2
46	4/27/2017 16:05	0.09	0.25	0.09	2.3
47	4/28/2017 18:10	0.53	21.17	0.12	1.1
48	4/30/2017 5:05	0.07	0.25	0.07	0.6
49	5/1/2017 6:55	1.07	11.92	0.87	1.1
50	5/2/2017 7:45	0.25	18.75	0.12	0.5
51	5/4/2017 9:45	2.43	61.83	0.16	1.3
52	5/11/2017 5:15	0.1	3	0.05	4.2
53	5/13/2017 21:05	0.03	9	0.01	2.5
54	5/19/2017 15:10	0.25	7.58	0.2	5.4
55	5/21/2017 10:45	0.83	11	0.57	1.5
56	5/24/2017 7:50	1.93	46.5	0.44	2.4
57	5/27/2017 4:30	0.02	0.5	0.02	0.9
58	5/28/2017 17:25	2.05	10.25	1.1	1.5
59	5/30/2017 0:10	0.24	7	0.22	0.9
60	6/4/2017 8:40	0.15	3.92	0.1	5.1
61	6/9/2017 19:00	0.03	0.67	0.03	5.3
62	6/14/2017 18:10	0.31	8.83	0.25	4.9
63	6/16/2017 3:25	0.01	0.08	0.01	1
64	6/16/2017 22:45	0.36	0.75	0.36	0.8
65	6/18/2017 16:45	0.32	1.17	0.31	1.7
66	6/19/2017 14:30	0.05	4.67	0.04	0.9
67	6/20/2017 22:15	0.17	7.33	0.12	1.1
68	6/23/2017 6:45	1.29	17.75	0.76	2.1
69	6/26/2017 17:55	0.12	5.83	0.06	2.7
70	6/29/2017 19:30	2.48	33.75	1.12	2.8
71	7/7/2017 8:30	0.05	0.33	0.05	6.1
72	7/8/2017 5:15	0.05	1.08	0.05	0.9
73	7/10/2017 14:25	0.75	17.75	0.36	2.3
74	7/12/2017 7:10	0.04	1.5	0.02	1
75	7/13/2017 5:45	0.44	3.58	0.25	0.9
76	7/16/2017 21:05	0.25	0.5	0.25	3.5

Moreland Hills Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	7/22/2017 8:35	1.38	20.83	1.13	5.5
78	8/2/2017 17:00	0.32	6.25	0.28	10.5
79	8/3/2017 17:40	0.02	0.08	0.02	0.8
80	8/4/2017 7:35	1.14	8.08	0.77	0.6
81	8/5/2017 6:00	0.01	0.08	0.01	0.6
82	8/10/2017 18:45	0.06	0.42	0.06	5.5
83	8/11/2017 11:45	0.36	6.75	0.24	0.7
84	8/17/2017 17:35	0.1	11.92	0.08	6
85	8/19/2017 8:30	0.07	0.33	0.07	1.1
86	8/21/2017 17:05	0.63	0.42	0.63	2.3
87	8/22/2017 13:15	0.51	12.75	0.32	0.8
88	8/24/2017 21:10	0.02	1.58	0.01	1.8
89	8/29/2017 6:10	0.06	1.75	0.05	4.3
90	9/2/2017 12:30	0.14	18.42	0.09	4.2
91	9/4/2017 22:00	0.27	7	0.11	1.6
92	9/6/2017 9:25	0.23	19.92	0.2	1.2
93	9/7/2017 17:40	0.26	13.75	0.11	0.5
94	9/13/2017 22:15	0.29	5.83	0.27	5.6
95	10/5/2017 0:55	0.25	7.75	0.14	20.9
96	10/6/2017 6:20	0.14	7.75	0.05	0.9
97	10/7/2017 6:15	0.01	0.08	0.01	0.7
98	10/8/2017 0:00	0.18	2.92	0.07	0.7
99	10/8/2017 19:55	1.58	14.25	0.67	0.7
100	10/10/2017 4:55	0.01	0.08	0.01	0.8
101	10/11/2017 5:05	0.19	16.5	0.12	1
102	10/15/2017 14:10	0.34	3.33	0.3	3.7
103	10/23/2017 15:15	0.33	11.33	0.09	7.9
104	10/24/2017 15:05	0.04	1.42	0.03	0.5
105	10/25/2017 9:45	0.01	0.08	0.01	0.7
106	10/26/2017 7:25	0.04	0.5	0.04	0.9
107	10/27/2017 19:20	0.37	17.58	0.08	1.5
108	10/29/2017 7:50	0.11	12.25	0.03	0.8
109	10/30/2017 13:35	0.17	4.17	0.05	0.7
110	11/1/2017 21:30	0.72	7.17	0.36	2.2
111	11/3/2017 1:50	0.98	5.67	0.52	0.9
112	11/5/2017 1:15	1.35	31.42	0.7	1.7
113	11/10/2017 12:55	0.01	0.08	0.01	4.2
114	11/13/2017 1:00	0.02	10.92	0.01	2.5

Moreland Hills Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	11/15/2017 16:00	0.18	14.33	0.08	2.2
116	11/18/2017 2:30	3.02	41.08	0.36	1.8
117	11/21/2017 22:10	0.19	3.67	0.08	2.1
118	11/30/2017 12:35	0.21	2.08	0.13	8.5
119	12/5/2017 0:15	0.27	7.33	0.08	4.4
120	12/12/2017 3:25	0.21	8.92	0.07	6.8
121	12/13/2017 19:20	0.32	19.33	0.07	1.3
122	12/16/2017 4:50	0.03	0.92	0.03	1.6
123	12/17/2017 23:05	0.01	0.08	0.01	1.7
124	12/18/2017 13:35	0.02	0.5	0.02	0.6
125	12/22/2017 5:00	0.61	32.5	0.1	3.6
126	12/24/2017 19:35	0.15	13.25	0.05	1.3
127	12/27/2017 12:35	0.08	16.08	0.03	2.2
128	12/29/2017 23:15	0.26	25.92	0.1	1.8

North Olmsted Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:05	0.76	23.42	0.17	2.2
2	1/5/2017 17:25	0.01	0.08	0.01	1.6
3	1/10/2017 2:10	0.37	20.25	0.12	4.4
4	1/11/2017 18:05	1.16	19.33	0.35	0.8
5	1/16/2017 15:25	0.73	20.5	0.21	4.1
6	1/18/2017 0:10	0.05	3.75	0.02	0.5
7	1/20/2017 5:35	0.29	9.33	0.11	2.1
8	1/23/2017 4:00	0.57	6.17	0.15	2.5
9	1/23/2017 23:45	0.16	7.25	0.06	0.6
10	1/25/2017 11:20	0.02	0.17	0.02	1.2
11	1/26/2017 10:20	0.2	8.08	0.1	1
12	1/29/2017 8:55	0.27	22.92	0.09	2.6
13	1/30/2017 23:45	0.17	20	0.04	0.7
14	2/1/2017 9:25	0.01	0.08	0.01	0.6
15	2/6/2017 23:00	1.36	20.67	0.37	5.6
16	2/8/2017 17:20	0.12	4.67	0.05	0.9
17	2/9/2017 11:40	0.01	0.08	0.01	0.6
18	2/12/2017 0:50	0.21	16.25	0.08	2.5
19	2/15/2017 3:10	0.01	0.08	0.01	2.4
20	2/15/2017 18:25	0.05	1.92	0.04	0.6
21	2/22/2017 8:25	0.01	0.08	0.01	6.5
22	2/23/2017 23:15	0.12	5.08	0.09	1.6
23	2/24/2017 21:45	0.47	4.5	0.21	0.7
24	3/1/2017 5:15	0.75	17.25	0.36	4.1
25	3/2/2017 20:20	0.3	13.17	0.09	0.9
26	3/6/2017 19:45	0.67	23.33	0.15	3.4
27	3/8/2017 8:25	0.01	0.08	0.01	0.6
28	3/9/2017 20:30	0.04	1.58	0.03	1.5
29	3/13/2017 19:15	0.13	15.17	0.03	3.9
30	3/17/2017 18:10	0.07	1.67	0.05	3.3
31	3/18/2017 13:30	0.14	12.67	0.04	0.7
32	3/20/2017 19:55	0.01	0.08	0.01	1.7
33	3/24/2017 1:40	0.36	3.5	0.14	3.2
34	3/26/2017 14:00	0.25	22.17	0.15	2.4
35	3/28/2017 4:35	0.05	3.5	0.03	0.7
36	3/30/2017 5:30	1.35	43.92	0.32	1.9
37	4/3/2017 20:35	0.43	6.25	0.3	2.8
38	4/5/2017 21:55	1.46	34.92	0.27	1.8

North Olmsted Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/11/2017 5:05	0.11	3.5	0.05	3.8
40	4/19/2017 10:30	1.54	37.5	0.64	8.1
41	4/28/2017 18:00	0.46	20.92	0.14	7.8
42	5/1/2017 6:20	0.51	6.75	0.33	1.6
43	5/2/2017 6:50	0.1	6.83	0.04	0.7
44	5/3/2017 2:45	0.06	1.58	0.04	0.5
45	5/4/2017 5:30	1.92	64.5	0.18	1.1
46	5/11/2017 4:35	0.22	3.75	0.13	4.3
47	5/13/2017 20:15	0.27	2.17	0.25	2.5
48	5/19/2017 19:25	0.33	1.08	0.33	5.9
49	5/20/2017 17:35	0.01	0.08	0.01	0.9
50	5/21/2017 9:55	0.22	14	0.09	0.7
51	5/24/2017 7:20	0.47	13	0.25	2.3
52	5/25/2017 8:35	1.01	14.92	0.17	0.5
53	5/27/2017 3:10	0.07	1.08	0.07	1.2
54	5/28/2017 17:10	1.33	8.67	0.97	1.5
55	6/4/2017 10:45	0.04	0.67	0.04	6.4
56	6/6/2017 21:30	0.03	6.83	0.02	2.4
57	6/14/2017 17:35	0.06	0.92	0.06	7.6
58	6/18/2017 16:40	0.45	0.67	0.45	3.9
59	6/19/2017 18:00	0.09	0.5	0.09	1
60	6/20/2017 21:45	0.14	4.25	0.12	1.1
61	6/23/2017 6:15	1.02	8.17	0.52	2.2
62	6/26/2017 21:30	0.03	0.58	0.03	3.3
63	6/29/2017 18:50	2.83	39.42	0.92	2.9
64	7/7/2017 7:40	0.2	1.33	0.19	5.9
65	7/10/2017 8:00	1.21	20.5	0.55	3
66	7/11/2017 17:45	0.22	14.67	0.16	0.6
67	7/13/2017 5:45	0.41	2.5	0.25	0.9
68	7/16/2017 20:10	0.03	0.17	0.03	3.5
69	7/22/2017 7:30	0.24	2	0.19	5.5
70	8/3/2017 22:45	0.62	16.33	0.29	12.6
71	8/11/2017 10:25	0.19	0.83	0.19	6.8
72	8/17/2017 16:20	0.05	1	0.05	6.2
73	8/19/2017 7:50	0.11	0.5	0.11	1.6
74	8/22/2017 13:20	0.22	6.25	0.13	3.2
75	8/24/2017 7:20	0.05	12.58	0.02	1.5
76	8/28/2017 10:20	0.06	16.67	0.03	3.6

North Olmsted Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/29/2017 17:35	0.01	0.08	0.01	0.6
78	9/2/2017 13:15	0.19	17.75	0.13	3.8
79	9/4/2017 21:15	0.48	16.42	0.26	1.6
80	9/6/2017 16:35	0.13	0.58	0.13	1.1
81	9/7/2017 16:40	0.27	17.5	0.19	1
82	9/13/2017 22:50	0.07	4	0.03	5.5
83	9/15/2017 7:45	0.01	0.08	0.01	1.2
84	9/19/2017 11:45	0.06	4.92	0.04	4.2
85	10/5/2017 3:15	0.05	1.92	0.04	15.4
86	10/6/2017 4:55	0.3	8.08	0.13	1
87	10/8/2017 19:40	2.79	13.75	1.57	2.3
88	10/10/2017 0:10	0.01	0.08	0.01	0.6
89	10/11/2017 4:30	0.34	9.75	0.28	1.2
90	10/15/2017 15:00	0.05	0.58	0.05	4
91	10/23/2017 15:10	0.18	23.17	0.1	8
92	10/25/2017 9:25	0.01	0.08	0.01	0.8
93	10/27/2017 21:05	0.26	14.83	0.05	2.5
94	10/29/2017 7:15	0.07	4.5	0.05	0.8
95	10/30/2017 13:25	0.08	3.75	0.03	1.1
96	11/1/2017 20:10	0.76	7.83	0.34	2.1
97	11/3/2017 1:50	0.89	5	0.74	0.9
98	11/5/2017 3:40	1.58	30.17	0.7	1.9
99	11/15/2017 15:20	0.15	6.08	0.09	9.2
100	11/16/2017 10:40	0.01	0.08	0.01	0.6
101	11/18/2017 2:00	2.83	40.42	0.58	1.6
102	11/21/2017 21:40	0.17	2.75	0.1	2.1
103	11/30/2017 12:10	0.12	1.75	0.09	8.5
104	12/4/2017 21:25	0.19	9.67	0.1	4.3
105	12/11/2017 13:50	0.01	0.08	0.01	6.3
106	12/12/2017 3:00	0.1	4.83	0.04	0.5
107	12/13/2017 13:35	0.21	14.17	0.04	1.2
108	12/18/2017 13:10	0.01	0.08	0.01	4.4
109	12/22/2017 4:45	0.06	3.5	0.03	3.6
110	12/23/2017 2:40	0.52	10.08	0.1	0.8
111	12/24/2017 13:05	0.13	8.92	0.05	1
112	12/30/2017 12:35	0.02	0.42	0.02	5.6

North Royalton Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:35	0.97	23.17	0.28	2.2
2	1/5/2017 17:25	0.01	0.08	0.01	1.6
3	1/10/2017 2:25	0.39	20.17	0.11	4.4
4	1/11/2017 18:05	1.65	20.5	0.62	0.8
5	1/16/2017 15:05	0.36	20.92	0.11	4
6	1/18/2017 0:40	0.06	3.58	0.02	0.5
7	1/20/2017 5:15	0.23	5.67	0.12	2
8	1/20/2017 23:50	0.01	0.08	0.01	0.5
9	1/21/2017 19:50	0.08	4.25	0.07	0.8
10	1/23/2017 3:35	0.55	35.75	0.1	1.1
11	1/25/2017 11:25	0.04	1.92	0.03	0.8
12	1/26/2017 10:15	0.1	5.83	0.03	0.9
13	1/29/2017 9:45	0.19	22.67	0.05	2.7
14	1/30/2017 23:55	0.13	20.5	0.03	0.6
15	2/6/2017 23:05	0.99	29.5	0.23	6.1
16	2/8/2017 17:50	0.05	5.92	0.02	0.6
17	2/9/2017 12:05	0.01	0.08	0.01	0.5
18	2/12/2017 2:55	0.23	14.33	0.11	2.6
19	2/15/2017 18:35	0.03	3.75	0.02	3.1
20	2/16/2017 11:20	0.01	0.08	0.01	0.5
21	2/22/2017 7:30	0.13	1.5	0.11	5.8
22	2/23/2017 22:25	0.05	1.42	0.04	1.6
23	2/24/2017 22:35	0.59	4.08	0.37	1
24	3/1/2017 1:55	0.65	25.75	0.28	4
25	3/2/2017 21:00	0.28	12.67	0.1	0.7
26	3/4/2017 11:15	0.01	0.08	0.01	1.1
27	3/6/2017 15:40	0.85	28.92	0.17	2.2
28	3/9/2017 20:55	0.04	9.5	0.02	2
29	3/13/2017 19:55	0.03	8.67	0.01	3.6
30	3/17/2017 19:05	0.07	1.33	0.06	3.6
31	3/18/2017 14:15	0.13	12	0.03	0.7
32	3/19/2017 18:25	0.01	0.08	0.01	0.7
33	3/20/2017 20:15	0.02	3.92	0.01	1.1
34	3/24/2017 1:45	0.31	3.67	0.13	3.1
35	3/26/2017 14:10	0.44	12.75	0.32	2.4
36	3/28/2017 3:25	0.3	5.17	0.16	1
37	3/30/2017 5:45	1.52	46.33	0.39	1.9
38	4/3/2017 13:05	0.72	20.25	0.37	2.4

North Royalton Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/5/2017 22:15	1.35	35	0.19	1.5
40	4/11/2017 6:55	0.19	4.33	0.14	3.9
41	4/15/2017 10:25	0.05	2.17	0.03	4
42	4/19/2017 17:40	1.27	32.58	0.37	4.2
43	4/27/2017 15:20	0.04	0.58	0.04	6.5
44	4/28/2017 17:30	0.76	21.33	0.16	1.1
45	5/1/2017 6:40	0.63	6.83	0.52	1.7
46	5/2/2017 7:25	0.08	6.5	0.05	0.8
47	5/3/2017 2:45	0.12	2.08	0.1	0.5
48	5/4/2017 5:50	2.16	65.08	0.16	1
49	5/11/2017 4:40	0.28	4.58	0.19	4.2
50	5/13/2017 20:45	0.19	4.17	0.18	2.5
51	5/18/2017 20:10	0.28	0.5	0.28	4.8
52	5/19/2017 15:50	0.17	5.67	0.11	0.8
53	5/20/2017 17:35	0.01	0.08	0.01	0.8
54	5/21/2017 10:10	0.57	11.25	0.24	0.7
55	5/24/2017 7:40	1.47	39.75	0.16	2.4
56	5/27/2017 2:55	0.19	1.75	0.14	1.1
57	5/28/2017 18:05	1.24	12.83	0.77	1.6
58	5/29/2017 23:50	0.08	0.42	0.08	0.7
59	6/4/2017 8:35	0.17	3.83	0.1	5.4
60	6/6/2017 15:10	0.04	0.33	0.04	2.1
61	6/9/2017 21:50	0.1	0.42	0.1	3.3
62	6/14/2017 17:30	0.65	7.92	0.61	4.8
63	6/18/2017 17:10	0.33	1	0.33	3.7
64	6/19/2017 18:15	0.1	1	0.1	1
65	6/23/2017 6:10	0.73	8.42	0.33	3.5
66	6/26/2017 19:05	0.15	7.33	0.06	3.2
67	6/29/2017 19:15	1.28	36	0.45	2.7
68	7/7/2017 7:50	0.22	1.5	0.21	6
69	7/10/2017 7:50	0.84	20.75	0.47	2.9
70	7/12/2017 4:00	0.17	5.58	0.13	1
71	7/13/2017 5:50	0.45	3.25	0.27	0.8
72	7/16/2017 20:50	0.21	1.92	0.2	3.5
73	7/22/2017 7:50	0.71	2	0.61	5.4
74	8/3/2017 22:00	0.54	17.08	0.21	12.5
75	8/5/2017 20:20	0.01	0.08	0.01	1.2
76	8/11/2017 11:35	0.16	0.42	0.16	5.6

North Royalton Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/15/2017 17:05	0.06	0.17	0.06	4.2
78	8/17/2017 17:10	0.11	1.08	0.11	2
79	8/19/2017 8:05	0.2	0.58	0.2	1.6
80	8/20/2017 6:05	0.01	0.08	0.01	0.9
81	8/22/2017 9:35	0.04	11.25	0.02	2.1
82	8/28/2017 17:50	0.01	0.08	0.01	5.9
83	8/29/2017 7:15	0.08	1.92	0.07	0.6
84	8/31/2017 11:25	0.01	0.08	0.01	2.1
85	9/2/2017 12:35	0.18	18	0.1	2
86	9/4/2017 22:00	0.21	10.42	0.09	1.6
87	9/6/2017 17:05	0.18	0.33	0.18	1.4
88	9/7/2017 17:20	0.23	31.25	0.07	1
89	9/13/2017 21:45	0.12	4.25	0.07	4.9
90	9/30/2017 4:25	0.01	0.08	0.01	16.1
91	10/5/2017 6:00	0.1	0.5	0.1	5.1
92	10/6/2017 4:00	0.69	9.58	0.43	0.9
93	10/7/2017 23:50	0.12	2.75	0.05	1.4
94	10/8/2017 19:45	1.81	14.5	0.87	0.7
95	10/10/2017 5:30	0.01	0.08	0.01	0.8
96	10/11/2017 5:15	0.17	9.42	0.14	1
97	10/15/2017 13:55	0.21	3.17	0.2	4
98	10/23/2017 15:00	0.42	23.92	0.09	7.9
99	10/25/2017 9:45	0.01	0.08	0.01	0.8
100	10/27/2017 19:30	0.31	16.92	0.08	2.4
101	10/29/2017 9:45	0.25	15.58	0.06	0.9
102	10/30/2017 14:45	0.07	2.5	0.03	0.6
103	11/1/2017 21:05	0.7	10.08	0.29	2.2
104	11/2/2017 21:10	0.64	9.83	0.35	0.6
105	11/5/2017 8:00	1.33	25.42	0.55	2
106	11/12/2017 23:35	0.07	12	0.05	6.6
107	11/15/2017 15:25	0.19	8.17	0.1	2.2
108	11/18/2017 2:15	2.62	24.08	0.41	2.1
109	11/19/2017 16:25	0.01	0.08	0.01	0.6
110	11/21/2017 22:10	0.15	2.92	0.08	2.2
111	11/30/2017 12:40	0.16	1.75	0.11	8.5
112	12/5/2017 0:05	0.22	7.58	0.07	4.4
113	12/12/2017 3:40	0.03	2.67	0.01	6.8
114	12/13/2017 16:25	0.18	18.5	0.05	1.4

North Royalton Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/17/2017 22:55	0.01	0.08	0.01	3.5
116	12/18/2017 13:10	0.03	0.92	0.03	0.6
117	12/22/2017 4:55	0.57	32.25	0.11	3.6
118	12/24/2017 19:15	0.1	3.17	0.04	1.3
119	12/30/2017 13:10	0.06	12	0.04	5.6

Oakwood Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:55	0.88	23.08	0.21	2.2
2	1/5/2017 16:00	0.03	2.5	0.02	1.5
3	1/8/2017 1:20	0.01	0.08	0.01	2.3
4	1/10/2017 2:45	0.44	20.08	0.12	2.1
5	1/11/2017 18:20	1.64	20.33	0.55	0.8
6	1/16/2017 15:50	0.49	38.08	0.13	4.1
7	1/20/2017 5:40	0.21	5.5	0.12	2
8	1/21/2017 7:05	0.01	0.08	0.01	0.8
9	1/21/2017 20:20	0.11	4.33	0.07	0.6
10	1/23/2017 3:10	0.31	39.25	0.07	1.1
11	1/25/2017 11:40	0.05	1.75	0.04	0.7
12	1/26/2017 10:05	0.18	9.42	0.05	0.9
13	1/27/2017 22:20	0.01	0.08	0.01	1.1
14	1/29/2017 9:30	0.25	24.5	0.11	1.5
15	1/31/2017 0:15	0.18	20.08	0.03	0.6
16	2/1/2017 22:20	0.02	5.92	0.01	1.1
17	2/6/2017 23:10	1.11	28.83	0.25	4.8
18	2/8/2017 18:05	0.07	20.42	0.02	0.6
19	2/12/2017 0:55	0.28	16.42	0.12	2.4
20	2/15/2017 3:40	0.02	0.25	0.02	2.4
21	2/15/2017 18:20	0.06	6.08	0.05	0.6
22	2/21/2017 22:10	0.22	11.33	0.19	5.9
23	2/23/2017 21:35	0.15	1.75	0.14	1.5
24	2/24/2017 23:10	0.68	14.83	0.29	1
25	3/1/2017 2:00	0.85	29.08	0.38	3.5
26	3/2/2017 21:05	0.45	13	0.09	0.6
27	3/6/2017 19:55	1.24	24.58	0.22	3.4
28	3/9/2017 21:10	0.05	19.42	0.01	2
29	3/13/2017 20:50	0.06	5.75	0.02	3.2
30	3/14/2017 20:50	0.03	4.92	0.02	0.8
31	3/17/2017 19:40	0.05	0.67	0.05	2.8
32	3/18/2017 11:25	0.1	18.17	0.04	0.6
33	3/20/2017 23:40	0.03	0.58	0.03	1.8
34	3/22/2017 14:05	0.01	0.08	0.01	1.6
35	3/24/2017 2:15	0.31	3.42	0.13	1.5
36	3/26/2017 14:10	0.78	10.58	0.55	2.4
37	3/28/2017 3:25	0.25	3.92	0.1	1.1
38	3/30/2017 5:55	1.58	46.58	0.16	1.9

Oakwood Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/3/2017 20:35	0.7	13	0.3	2.7
40	4/5/2017 22:20	1.13	34.83	0.14	1.5
41	4/11/2017 7:05	0.29	11.08	0.21	3.9
42	4/15/2017 11:20	0.04	1	0.04	3.7
43	4/19/2017 17:40	1.71	32.92	0.93	4.2
44	4/27/2017 17:05	0.01	0.08	0.01	6.6
45	4/28/2017 17:40	0.8	21.17	0.17	1
46	4/30/2017 5:00	0.05	0.25	0.05	0.6
47	5/1/2017 6:55	1.18	6.75	1.03	1.1
48	5/2/2017 7:40	0.03	3.67	0.02	0.8
49	5/3/2017 2:25	0.22	2.5	0.13	0.6
50	5/4/2017 12:35	2.08	57.92	0.18	1.3
51	5/11/2017 6:10	0.07	2.42	0.04	4.3
52	5/14/2017 0:35	0.02	0.92	0.02	2.7
53	5/19/2017 19:55	0.14	1.58	0.12	5.8
54	5/20/2017 13:20	0.01	0.08	0.01	0.7
55	5/21/2017 10:40	0.92	11	0.67	0.9
56	5/24/2017 13:50	1.38	36.33	0.24	2.7
57	5/27/2017 3:35	0.11	1.83	0.09	1.1
58	5/28/2017 18:15	1.51	7.25	1.08	1.5
59	5/30/2017 0:05	0.12	7.17	0.1	0.9
60	6/4/2017 9:25	0.18	3.33	0.09	5.1
61	6/5/2017 3:25	0.16	0.5	0.16	0.6
62	6/9/2017 19:25	0.02	0.17	0.02	4.6
63	6/10/2017 11:30	0.02	0.08	0.02	0.7
64	6/14/2017 17:50	2.1	1.5	2.03	4.3
65	6/16/2017 22:45	0.32	0.67	0.32	2.1
66	6/18/2017 12:35	0.2	5.75	0.18	1.6
67	6/19/2017 18:45	0.02	0.33	0.02	1
68	6/20/2017 22:20	0.07	1.33	0.06	1.1
69	6/23/2017 6:35	0.63	21.17	0.41	2.3
70	6/24/2017 19:40	0.13	4.67	0.12	0.7
71	6/26/2017 19:25	0.2	13.92	0.12	1.8
72	6/29/2017 20:45	1.52	32.33	0.36	2.5
73	7/1/2017 18:35	0.03	0.42	0.03	0.6
74	7/7/2017 8:10	0.12	1.25	0.11	5.6
75	7/10/2017 8:35	1.22	18.33	0.56	3
76	7/11/2017 17:10	0.43	0.92	0.43	0.6

Oakwood Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	7/12/2017 7:40	0.1	1.42	0.09	0.6
78	7/13/2017 4:50	0.5	3.75	0.22	0.8
79	7/16/2017 21:10	0.24	0.33	0.24	3.5
80	7/22/2017 8:20	1.87	2.83	1.76	5.5
81	8/2/2017 20:00	0.21	0.25	0.21	11.4
82	8/4/2017 7:15	0.67	8.33	0.34	1.5
83	8/5/2017 5:05	0.04	0.75	0.04	0.6
84	8/11/2017 11:55	0.25	6.5	0.24	6.3
85	8/17/2017 17:40	0.17	1.33	0.15	6
86	8/19/2017 8:25	0.07	0.42	0.07	1.6
87	8/22/2017 19:50	0.23	1.58	0.22	3.5
88	8/24/2017 13:05	0.03	15.42	0.01	1.7
89	8/29/2017 5:55	0.09	12.17	0.06	4.1
90	9/2/2017 17:25	0.1	13.42	0.03	4
91	9/4/2017 22:10	0.26	17	0.1	1.6
92	9/6/2017 17:35	0.14	7.25	0.13	1.1
93	9/7/2017 17:45	0.1	16.42	0.05	0.7
94	9/13/2017 21:50	0.1	2.92	0.08	5.5
95	10/5/2017 0:55	0.04	8.42	0.02	21
96	10/6/2017 5:05	0.29	9.33	0.17	0.8
97	10/8/2017 0:00	0.13	3.08	0.07	1.4
98	10/8/2017 19:55	1.37	13.42	0.63	0.7
99	10/10/2017 6:20	0.01	0.08	0.01	0.9
100	10/11/2017 5:15	0.16	9.58	0.13	1
101	10/12/2017 10:50	0.01	0.08	0.01	0.8
102	10/15/2017 14:15	0.14	3	0.13	3.1
103	10/23/2017 15:10	0.41	25.33	0.09	7.9
104	10/25/2017 10:20	0.01	0.08	0.01	0.7
105	10/27/2017 19:25	0.33	17	0.08	2.4
106	10/29/2017 8:20	0.08	10.08	0.03	0.8
107	10/30/2017 13:35	0.13	3.92	0.05	0.8
108	11/1/2017 14:55	0.56	13.75	0.21	1.9
109	11/2/2017 21:05	0.64	12.92	0.41	0.7
110	11/5/2017 10:20	1.29	22.67	0.59	2
111	11/13/2017 0:20	0.06	11.42	0.03	6.6
112	11/15/2017 15:50	0.16	20	0.08	2.2
113	11/18/2017 2:35	2.6	39.83	0.36	1.6
114	11/21/2017 22:40	0.14	2.83	0.07	2.2

Oakwood Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	11/30/2017 13:05	0.12	1.67	0.09	8.5
116	12/5/2017 0:35	0.27	8	0.09	4.4
117	12/10/2017 13:15	0.01	0.08	0.01	5.2
118	12/12/2017 3:00	0.22	9.33	0.08	1.6
119	12/13/2017 10:55	0.02	1.33	0.01	0.9
120	12/14/2017 0:15	0.05	11.75	0.02	0.5
121	12/16/2017 11:45	0.01	0.08	0.01	2
122	12/17/2017 22:50	0.01	0.08	0.01	1.5
123	12/18/2017 13:30	0.03	1.42	0.02	0.6
124	12/22/2017 5:05	0.63	37.58	0.11	3.6
125	12/24/2017 13:05	0.01	0.08	0.01	0.8
126	12/25/2017 12:05	0.02	1.33	0.01	1
127	12/28/2017 10:40	0.06	3.75	0.03	2.9

Olmsted Falls Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 3:55	1.12	23.5	0.22	2.2
2	1/5/2017 16:10	0.02	2.25	0.01	1.5
3	1/10/2017 2:15	0.4	20.08	0.1	4.3
4	1/11/2017 18:00	1.29	20.17	0.47	0.8
5	1/16/2017 15:10	0.69	20.67	0.23	4
6	1/18/2017 2:40	0.09	1.75	0.08	0.6
7	1/20/2017 5:25	0.3	9.67	0.12	2
8	1/23/2017 4:05	0.46	6	0.15	2.5
9	1/24/2017 0:15	0.18	6.5	0.06	0.6
10	1/25/2017 4:05	0.03	7.42	0.02	0.9
11	1/26/2017 11:15	0.12	6	0.04	1
12	1/29/2017 17:35	0.21	13.58	0.08	3
13	1/30/2017 23:45	0.15	20.17	0.05	0.7
14	2/6/2017 23:50	1.76	20.08	0.5	6.2
15	2/8/2017 17:35	0.09	5.5	0.04	0.9
16	2/9/2017 11:35	0.03	0.33	0.03	0.5
17	2/12/2017 4:00	0.19	8.25	0.09	2.7
18	2/15/2017 3:35	0.01	0.08	0.01	2.6
19	2/15/2017 18:50	0.02	1	0.02	0.6
20	2/23/2017 22:25	0.13	5.75	0.09	8.1
21	2/24/2017 21:45	0.5	9.75	0.22	0.7
22	3/1/2017 1:45	0.7	23.17	0.45	3.8
23	3/2/2017 20:30	0.39	12.92	0.14	0.8
24	3/6/2017 19:50	0.76	23.25	0.17	3.4
25	3/9/2017 20:35	0.05	2.42	0.04	2.1
26	3/13/2017 19:10	0.07	13.33	0.02	3.8
27	3/17/2017 18:00	0.06	2.08	0.05	3.4
28	3/18/2017 13:35	0.15	5.25	0.05	0.7
29	3/24/2017 1:40	0.49	3.67	0.19	5.3
30	3/26/2017 14:00	0.26	21.83	0.16	2.4
31	3/28/2017 4:25	0.06	1.75	0.05	0.7
32	3/30/2017 5:35	1.24	42.58	0.21	2
33	4/3/2017 20:35	0.41	7.67	0.21	2.9
34	4/5/2017 21:55	1.41	35.08	0.25	1.7
35	4/11/2017 5:40	0.06	3	0.05	3.9
36	4/15/2017 10:00	0.05	1.83	0.03	4.1

Olmsted Falls Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
37	4/19/2017 10:30	1.54	38.42	0.55	3.9
38	4/28/2017 20:00	0.51	18.83	0.16	7.8
39	5/1/2017 1:25	0.39	11.83	0.24	1.4
40	5/2/2017 7:00	0.09	6.5	0.03	0.7
41	5/3/2017 3:40	0.05	0.42	0.05	0.6
42	5/4/2017 5:30	1.54	63.58	0.14	1.1
43	5/11/2017 4:30	0.23	4	0.15	4.3
44	5/13/2017 20:15	0.13	0.83	0.13	2.5
45	5/19/2017 19:30	0.11	1.75	0.1	5.9
46	5/20/2017 17:15	0.02	0.25	0.02	0.8
47	5/21/2017 10:05	0.28	18.17	0.12	0.7
48	5/24/2017 8:15	0.33	11.92	0.21	2.2
49	5/25/2017 8:55	0.99	24.92	0.19	0.5
50	5/27/2017 3:00	0.1	2.83	0.08	0.7
51	5/28/2017 16:50	2.5	8.67	1.53	1.5
52	5/29/2017 23:40	0.05	4.92	0.04	0.9
53	6/4/2017 7:25	0.05	4.42	0.03	5.1
54	6/6/2017 21:25	0.11	9.58	0.05	2.4
55	6/9/2017 21:35	0.09	0.25	0.09	2.6
56	6/14/2017 17:20	0.1	0.92	0.1	4.8
57	6/18/2017 16:40	0.7	0.83	0.7	3.9
58	6/19/2017 17:55	0.1	1.08	0.1	1
59	6/20/2017 21:50	0.14	9.25	0.12	1.1
60	6/23/2017 6:05	0.99	16.17	0.51	2
61	6/26/2017 18:55	0.13	4.5	0.08	2.9
62	6/29/2017 18:55	3.86	33.83	2.47	2.8
63	7/7/2017 7:35	0.42	1.42	0.41	6.1
64	7/10/2017 7:55	1.3	21.17	0.58	3
65	7/12/2017 6:55	0.25	5.25	0.21	1.1
66	7/13/2017 5:45	0.45	3.42	0.29	0.7
67	7/16/2017 20:10	0.05	3.25	0.04	3.5
68	7/20/2017 12:05	0.22	0.17	0.22	3.5
69	7/22/2017 7:30	0.41	2.67	0.34	1.8
70	8/3/2017 16:35	0.39	22.17	0.17	12.3
71	8/11/2017 17:30	0.1	0.17	0.1	7.1
72	8/15/2017 16:50	0.01	0.08	0.01	4

Olmsted Falls Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
73	8/17/2017 16:15	0.06	1	0.06	2
74	8/19/2017 7:50	0.11	0.75	0.11	1.6
75	8/22/2017 13:20	0.37	16.17	0.3	3.2
76	8/24/2017 10:50	0.03	9.25	0.01	1.2
77	8/28/2017 11:05	0.06	31.42	0.02	3.6
78	8/30/2017 14:00	0.01	0.08	0.01	0.8
79	8/31/2017 6:10	0.01	0.08	0.01	0.7
80	9/2/2017 12:55	0.12	1	0.12	2.3
81	9/3/2017 4:40	0.04	1.75	0.03	0.6
82	9/4/2017 21:30	0.56	8.42	0.36	1.6
83	9/6/2017 16:35	0.12	1.17	0.11	1.4
84	9/7/2017 18:35	0.02	3.42	0.01	1
85	9/8/2017 10:45	0.22	1.25	0.21	0.5
86	9/13/2017 23:10	0.06	3.42	0.03	5.5
87	9/19/2017 12:35	0.01	0.08	0.01	5.4
88	10/5/2017 5:35	0.12	3.25	0.07	15.7
89	10/6/2017 5:55	0.42	7.17	0.26	0.9
90	10/7/2017 7:20	0.01	0.08	0.01	0.8
91	10/8/2017 2:00	0.01	0.08	0.01	0.8
92	10/8/2017 19:35	2.64	13.92	1.58	0.7
93	10/10/2017 8:45	0.01	0.08	0.01	1
94	10/11/2017 4:55	0.17	9.25	0.08	0.8
95	10/15/2017 15:05	0.06	1.67	0.05	4
96	10/23/2017 15:05	0.28	25.42	0.17	7.9
97	10/27/2017 21:10	0.21	14.75	0.05	3.2
98	10/29/2017 8:00	0.02	3.92	0.01	0.8
99	10/30/2017 13:40	0.08	5.67	0.03	1.1
100	11/1/2017 21:15	0.88	6.83	0.34	2.1
101	11/3/2017 1:20	1.02	5.17	0.55	0.9
102	11/5/2017 1:50	1.46	30.08	0.72	1.8
103	11/15/2017 15:15	0.16	5.58	0.09	9.3
104	11/18/2017 2:00	2.74	40.58	0.45	2.2
105	11/21/2017 21:45	0.15	2.25	0.08	2.1
106	11/30/2017 12:20	0.1	1.58	0.08	8.5
107	12/5/2017 1:20	0.23	5.75	0.14	4.5
108	12/12/2017 1:45	0.09	7.42	0.03	6.8

Olmsted Falls Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
109	12/13/2017 12:55	0.19	14.42	0.04	1.2
110	12/17/2017 22:25	0.02	0.92	0.02	3.8
111	12/18/2017 13:20	0.01	0.08	0.01	0.6
112	12/22/2017 4:30	0.59	32	0.1	3.6
113	12/24/2017 12:50	0.13	9.17	0.05	1
114	12/29/2017 23:35	0.01	0.08	0.01	5.1
115	12/30/2017 12:15	0.05	1.33	0.04	0.5

Parma Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:30	0.83	23.42	0.19	2.2
2	1/5/2017 17:05	0.01	0.08	0.01	1.6
3	1/8/2017 1:00	0.02	0.25	0.02	2.3
4	1/10/2017 2:20	0.32	21.75	0.07	2
5	1/11/2017 18:15	1.35	19.92	0.48	0.8
6	1/16/2017 15:40	0.44	20.08	0.1	4.1
7	1/18/2017 0:10	0.07	5.5	0.02	0.5
8	1/20/2017 6:00	0.28	7.92	0.15	2
9	1/21/2017 20:15	0.05	0.83	0.05	1.3
10	1/23/2017 3:30	0.47	32.92	0.11	1.3
11	1/25/2017 11:35	0.01	0.08	0.01	1
12	1/26/2017 9:50	0.16	8.75	0.05	0.9
13	1/29/2017 9:15	0.2	23.83	0.11	2.6
14	1/31/2017 2:40	0.15	17.42	0.03	0.7
15	2/1/2017 21:40	0.02	0.25	0.02	1.1
16	2/6/2017 22:55	1.94	29	0.86	5
17	2/8/2017 18:25	0.1	13.33	0.05	0.6
18	2/11/2017 18:30	0.22	17.92	0.1	2.5
19	2/15/2017 3:30	0.01	0.08	0.01	2.6
20	2/15/2017 18:35	0.03	0.58	0.03	0.6
21	2/22/2017 7:00	0.06	1.67	0.05	6.5
22	2/23/2017 23:00	0.02	5.25	0.01	1.6
23	2/24/2017 22:20	0.61	4.33	0.43	0.8
24	3/1/2017 1:55	0.7	20.83	0.42	4
25	3/2/2017 20:40	0.3	12.75	0.07	0.9
26	3/6/2017 19:45	0.95	24.25	0.22	3.4
27	3/9/2017 21:00	0.03	1.25	0.02	2
28	3/13/2017 19:25	0.06	8.42	0.02	3.9
29	3/17/2017 19:20	0.05	1	0.05	3.6
30	3/18/2017 14:35	0.16	11.25	0.04	0.8
31	3/20/2017 20:25	0.02	3.5	0.01	1.8
32	3/24/2017 1:55	0.29	3.58	0.11	3.1
33	3/26/2017 17:25	0.42	18	0.32	2.5
34	3/28/2017 3:45	0.12	3	0.08	0.7
35	3/30/2017 5:35	1.86	41.67	0.32	2
36	4/3/2017 20:40	0.49	7.08	0.24	2.9
37	4/5/2017 22:15	1.25	34.83	0.27	1.8
38	4/11/2017 7:15	0.29	2.67	0.2	3.9

Parma Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/15/2017 10:20	0.02	0.17	0.02	4
40	4/19/2017 10:50	2.69	39.25	1.89	4
41	4/25/2017 8:00	0.01	0.08	0.01	4.3
42	4/27/2017 17:20	0.26	0.25	0.26	2.4
43	4/28/2017 20:10	0.52	19.25	0.13	1.1
44	5/1/2017 6:40	0.34	6.83	0.24	1.6
45	5/2/2017 7:15	0.15	6.75	0.06	0.7
46	5/3/2017 2:10	0.21	2.08	0.17	0.5
47	5/4/2017 6:00	1.88	64.5	0.15	1.1
48	5/11/2017 4:55	0.18	3.58	0.1	4.3
49	5/13/2017 20:45	0.05	1.67	0.03	2.5
50	5/19/2017 19:45	0.1	1.5	0.07	5.9
51	5/20/2017 17:30	0.03	0.25	0.03	0.8
52	5/21/2017 10:10	0.33	11.83	0.17	0.7
53	5/24/2017 13:55	1.7	35	0.3	2.7
54	5/27/2017 3:30	0.06	0.92	0.06	1.1
55	5/28/2017 17:00	1.5	7.83	0.62	1.5
56	5/29/2017 23:50	0.31	0.33	0.31	1
57	6/4/2017 10:50	0.05	0.83	0.05	5.4
58	6/14/2017 17:35	0.47	1.33	0.45	10.3
59	6/18/2017 16:55	0.65	0.92	0.65	3.9
60	6/19/2017 18:15	0.1	0.75	0.1	1
61	6/20/2017 22:05	0.16	11.58	0.15	1.1
62	6/23/2017 6:25	1.46	8.33	0.74	1.9
63	6/24/2017 19:30	0.02	0.17	0.02	1.2
64	6/26/2017 19:00	0.12	13.83	0.07	2
65	6/29/2017 19:10	3.96	33.75	2.47	2.4
66	7/1/2017 18:05	0.02	0.08	0.02	0.6
67	7/7/2017 7:40	0.45	0.92	0.45	5.6
68	7/10/2017 8:25	1.26	18.08	0.58	3
69	7/11/2017 16:25	0.04	0.17	0.04	0.6
70	7/12/2017 7:10	0.13	1.67	0.1	0.6
71	7/13/2017 5:00	0.39	3.42	0.23	0.8
72	7/16/2017 20:35	0.47	0.42	0.47	3.5
73	7/20/2017 12:25	0.07	0.25	0.07	3.6
74	7/22/2017 7:55	0.75	9.42	0.65	1.8
75	8/3/2017 14:30	0.17	2.67	0.09	11.9
76	8/4/2017 6:55	0.92	8.25	0.68	0.6

Parma Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/11/2017 11:35	0.4	6.67	0.39	6.9
78	8/17/2017 16:45	0.05	0.75	0.05	5.9
79	8/19/2017 8:10	0.1	0.5	0.1	1.6
80	8/22/2017 13:40	0.22	6.33	0.18	3.2
81	8/24/2017 5:30	0.06	14.83	0.02	1.4
82	8/29/2017 8:00	0.01	0.08	0.01	4.5
83	9/2/2017 12:55	0.12	0.5	0.12	4.2
84	9/3/2017 6:25	0.02	0.25	0.02	0.7
85	9/4/2017 21:45	0.34	3.67	0.18	1.6
86	9/5/2017 13:55	0.03	0.83	0.03	0.5
87	9/6/2017 17:10	0.12	1.42	0.11	1.1
88	9/8/2017 8:30	0.15	1.75	0.13	1.6
89	9/13/2017 22:05	0.06	3.25	0.04	5.5
90	9/19/2017 13:20	0.02	0.17	0.02	5.5
91	10/5/2017 4:45	0.03	4.17	0.02	15.6
92	10/6/2017 5:20	0.23	8.08	0.13	0.9
93	10/8/2017 1:20	0.03	1.25	0.02	1.5
94	10/8/2017 20:20	2.05	14.08	1.05	0.7
95	10/10/2017 1:20	0.01	0.08	0.01	0.6
96	10/11/2017 4:50	0.23	9.67	0.12	1.1
97	10/15/2017 15:20	0.04	1.75	0.03	4
98	10/23/2017 15:10	0.27	22.83	0.09	7.9
99	10/27/2017 19:20	0.26	16.33	0.06	3.2
100	10/29/2017 9:15	0.35	15.67	0.08	0.9
101	10/30/2017 13:35	0.09	6.25	0.03	0.5
102	11/1/2017 21:30	0.83	6.83	0.35	2.1
103	11/3/2017 1:35	0.95	5.25	0.59	0.9
104	11/5/2017 10:05	1.29	23.75	0.65	2.1
105	11/13/2017 0:10	0.01	0.08	0.01	6.6
106	11/15/2017 15:30	0.15	6.17	0.08	2.6
107	11/16/2017 13:10	0.01	0.08	0.01	0.6
108	11/18/2017 2:15	2.46	39.08	0.34	1.5
109	11/21/2017 22:05	0.15	4.33	0.07	2.2
110	11/30/2017 12:40	0.12	2	0.08	8.4
111	12/5/2017 0:35	0.2	6.75	0.06	4.4
112	12/12/2017 3:25	0.05	6	0.03	6.8
113	12/13/2017 19:30	0.01	0.08	0.01	1.4
114	12/18/2017 13:05	0.02	0.75	0.02	4.7

Parma Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/22/2017 4:40	0.54	32.67	0.1	3.6
116	12/24/2017 19:50	0.09	2.33	0.04	1.3
117	12/30/2017 12:45	0.04	12.42	0.02	5.6

Richfield Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/2/2017 6:45	0.02	1.25	0.01	1.3
2	1/3/2017 4:35	0.74	23.17	0.16	0.9
3	1/5/2017 15:45	0.01	0.08	0.01	1.5
4	1/10/2017 2:30	0.33	20.33	0.08	4.4
5	1/11/2017 18:00	2.25	20.25	0.87	0.8
6	1/13/2017 7:30	0.01	0.08	0.01	0.7
7	1/16/2017 14:50	0.5	18.08	0.18	3.3
8	1/18/2017 0:25	0.06	3.42	0.03	0.6
9	1/20/2017 5:10	0.31	19.08	0.15	2.1
10	1/21/2017 19:40	0.22	4.67	0.13	0.8
11	1/22/2017 22:00	0.63	33.08	0.15	0.9
12	1/25/2017 11:40	0.04	1.42	0.03	1.2
13	1/26/2017 10:25	0.18	13.08	0.09	0.9
14	1/29/2017 10:20	0.1	21.58	0.04	2.5
15	1/30/2017 23:55	0.11	17.5	0.03	0.7
16	2/1/2017 6:45	0.01	0.08	0.01	0.6
17	2/6/2017 22:35	1.44	20.75	0.42	5.7
18	2/8/2017 17:30	0.05	6.08	0.02	0.9
19	2/9/2017 12:10	0.01	0.08	0.01	0.5
20	2/12/2017 2:45	0.34	14.58	0.13	2.6
21	2/15/2017 4:00	0.01	0.08	0.01	2.4
22	2/15/2017 19:10	0.03	0.5	0.03	0.6
23	2/22/2017 6:45	0.27	2.42	0.17	6.5
24	2/23/2017 22:20	0.08	0.42	0.08	1.6
25	2/24/2017 23:00	0.66	3.5	0.33	1
26	3/1/2017 1:55	0.47	23.67	0.28	4
27	3/2/2017 21:10	0.22	12.67	0.06	0.8
28	3/6/2017 15:25	1.04	28.58	0.24	3.2
29	3/9/2017 21:00	0.07	10.5	0.05	2
30	3/13/2017 20:35	0.06	7	0.02	3.5
31	3/16/2017 0:25	0.01	0.08	0.01	1.9
32	3/17/2017 14:35	0.1	6	0.06	1.6
33	3/18/2017 15:35	0.06	11.58	0.01	0.8
34	3/20/2017 18:50	0.02	5.58	0.01	1.7
35	3/24/2017 2:05	0.35	3.42	0.13	3.1
36	3/26/2017 13:55	0.49	10.83	0.27	2.4
37	3/28/2017 2:45	0.89	6.33	0.57	1.1
38	3/30/2017 6:10	1.5	47.17	0.27	1.9

Richfield Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/2/2017 2:15	0.01	0.08	0.01	0.9
40	4/3/2017 20:35	0.99	12.75	0.57	1.8
41	4/5/2017 22:20	0.88	40.92	0.23	1.5
42	4/11/2017 7:30	0.27	3.25	0.19	3.7
43	4/16/2017 14:00	0.05	0.17	0.05	5.1
44	4/19/2017 18:45	1.39	31.83	0.5	3.2
45	4/27/2017 15:40	0.01	0.08	0.01	6.5
46	4/28/2017 17:20	0.98	21.42	0.2	1.1
47	5/1/2017 6:45	0.73	6.67	0.52	1.7
48	5/2/2017 10:20	0.02	3.75	0.01	0.9
49	5/3/2017 4:20	0.07	1	0.07	0.6
50	5/4/2017 9:55	1.87	61.42	0.15	1.2
51	5/11/2017 4:05	0.36	5.42	0.23	4.2
52	5/13/2017 20:50	0.17	7.58	0.16	2.5
53	5/18/2017 20:30	0.04	0.33	0.04	4.7
54	5/19/2017 15:55	0.14	8.58	0.1	0.8
55	5/21/2017 10:20	1.16	16.92	0.63	1.4
56	5/24/2017 7:00	1.51	40.58	0.18	2.2
57	5/27/2017 3:05	0.14	1.83	0.09	1.1
58	5/28/2017 18:40	0.65	6.33	0.44	1.6
59	5/29/2017 17:40	0.15	10.42	0.12	0.7
60	6/4/2017 11:20	0.21	5.25	0.11	5.3
61	6/9/2017 14:20	0.24	15.25	0.12	4.9
62	6/14/2017 17:45	0.19	4.92	0.18	4.5
63	6/16/2017 22:45	0.03	0.25	0.03	2
64	6/18/2017 17:05	0.17	1	0.17	1.8
65	6/19/2017 18:15	0.06	0.92	0.06	1
66	6/20/2017 22:25	0.05	7.17	0.04	1.1
67	6/23/2017 6:20	1.16	8.67	0.86	2
68	6/26/2017 18:05	0.16	12.25	0.08	3.1
69	6/29/2017 19:35	1.4	32.83	0.36	2.6
70	7/7/2017 8:00	0.17	1.58	0.16	6.2
71	7/8/2017 5:35	0.03	0.83	0.03	0.8
72	7/10/2017 7:40	1.39	17.17	0.53	2.1
73	7/11/2017 17:10	0.01	0.08	0.01	0.7
74	7/12/2017 7:00	0.21	1.42	0.19	0.6
75	7/13/2017 4:25	1.21	5.67	0.68	0.8
76	7/16/2017 21:10	0.37	0.25	0.37	3.5

Richfield Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	7/22/2017 7:50	0.28	2.67	0.19	5.4
78	8/4/2017 6:50	0.8	8.58	0.35	12.9
79	8/5/2017 19:35	0.08	5.75	0.07	1.2
80	8/7/2017 6:05	0.01	0.08	0.01	1.2
81	8/11/2017 13:40	0.21	0.92	0.21	4.3
82	8/15/2017 17:15	0.02	0.17	0.02	4.1
83	8/16/2017 6:00	0.01	0.08	0.01	0.5
84	8/17/2017 17:20	0.68	1.33	0.65	1.5
85	8/19/2017 8:15	0.15	1	0.15	1.6
86	8/21/2017 19:25	0.64	36.5	0.32	2.4
87	8/24/2017 12:50	0.21	1.42	0.19	1.2
88	8/29/2017 5:20	0.05	3	0.03	4.6
89	8/31/2017 9:55	0.01	0.08	0.01	2.1
90	9/2/2017 12:15	0.15	18.42	0.05	2.1
91	9/4/2017 22:25	0.2	16.5	0.09	1.7
92	9/6/2017 17:25	0.03	0.75	0.03	1.1
93	9/7/2017 17:15	0.16	19.25	0.07	1
94	9/13/2017 21:15	0.24	4.33	0.18	5.4
95	9/15/2017 6:45	0.01	0.08	0.01	1.2
96	9/29/2017 15:30	0.04	12.75	0.02	14.4
97	10/5/2017 7:40	0.01	0.08	0.01	5.1
98	10/6/2017 4:25	0.3	8.92	0.2	0.9
99	10/7/2017 2:25	0.01	0.08	0.01	0.5
100	10/7/2017 23:50	0.15	2.67	0.09	0.9
101	10/8/2017 19:50	1.58	13.83	0.73	0.7
102	10/10/2017 7:45	0.01	0.08	0.01	0.9
103	10/11/2017 4:30	0.19	3.5	0.15	0.9
104	10/12/2017 4:25	0.01	0.08	0.01	0.9
105	10/15/2017 14:30	0.04	0.17	0.04	3.4
106	10/23/2017 14:55	0.43	25.17	0.11	8
107	10/25/2017 8:15	0.07	6.67	0.04	0.7
108	10/27/2017 20:20	0.34	16.17	0.1	2.2
109	10/29/2017 13:10	0.06	12	0.05	1
110	10/30/2017 13:40	0.15	3.67	0.06	0.5
111	11/1/2017 13:00	0.69	18.92	0.23	1.8
112	11/3/2017 2:55	0.59	3.5	0.46	0.8
113	11/5/2017 7:45	1.29	25.5	0.38	2.1
114	11/7/2017 8:10	0.01	0.08	0.01	1

Richfield Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	11/12/2017 22:25	0.18	13.25	0.07	5.6
116	11/15/2017 15:40	0.18	6.92	0.08	2.2
117	11/18/2017 2:25	2.88	24	0.52	2.2
118	11/19/2017 14:50	0.02	0.75	0.02	0.5
119	11/21/2017 22:35	0.16	2.83	0.09	2.3
120	11/30/2017 12:30	0.17	2	0.1	8.5
121	12/5/2017 0:30	0.29	7.92	0.11	4.4
122	12/12/2017 3:55	0.06	12.42	0.02	6.8
123	12/13/2017 15:00	0.18	13.67	0.05	0.9
124	12/15/2017 15:55	0.01	0.08	0.01	1.5
125	12/18/2017 13:10	0.02	1	0.02	2.9
126	12/22/2017 7:35	0.68	29.83	0.13	3.7
127	12/24/2017 19:20	0.08	2.75	0.04	1.3
128	12/30/2017 2:40	0.01	0.08	0.01	5.2
129	12/31/2017 1:15	0.01	0.08	0.01	0.9

Shaker Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:55	0.88	22.83	0.2	2.2
2	1/5/2017 16:45	0.02	0.92	0.02	1.5
3	1/8/2017 0:50	0.02	0.25	0.02	2.3
4	1/10/2017 2:40	0.42	21	0.09	2.1
5	1/11/2017 18:35	1.36	19.08	0.41	0.8
6	1/16/2017 23:55	0.6	10.75	0.17	4.4
7	1/18/2017 0:15	0.08	6.25	0.03	0.6
8	1/18/2017 23:30	0.01	0.08	0.01	0.7
9	1/20/2017 6:25	0.28	8.42	0.14	1.3
10	1/21/2017 9:40	0.04	15.33	0.02	0.8
11	1/23/2017 3:35	0.33	36.67	0.08	1.1
12	1/25/2017 11:25	0.02	0.5	0.02	0.8
13	1/26/2017 10:15	0.1	7.92	0.03	0.9
14	1/27/2017 8:05	0.05	10.33	0.04	0.6
15	1/29/2017 8:55	0.81	24.75	0.13	1.6
16	1/31/2017 0:15	0.27	19.75	0.05	0.6
17	2/2/2017 5:45	0.01	0.08	0.01	1.4
18	2/6/2017 23:20	2	19.5	0.58	4.7
19	2/8/2017 16:55	0.08	6.58	0.03	0.9
20	2/9/2017 13:15	0.01	0.08	0.01	0.6
21	2/12/2017 4:10	0.28	4.83	0.12	2.6
22	2/15/2017 3:30	0.02	2.17	0.01	2.8
23	2/22/2017 8:00	0.05	0.25	0.05	7.1
24	2/23/2017 23:15	0.01	0.08	0.01	1.6
25	2/24/2017 22:40	0.53	3.92	0.34	1
26	2/26/2017 1:20	0.01	0.08	0.01	1
27	3/1/2017 2:00	0.75	20.92	0.44	3
28	3/2/2017 21:30	0.11	11.5	0.05	0.9
29	3/6/2017 15:55	0.95	32.75	0.19	3.3
30	3/9/2017 20:50	0.06	14.58	0.02	1.8
31	3/13/2017 19:40	0.11	15.92	0.02	3.3
32	3/17/2017 18:30	0.07	1.58	0.05	3.3
33	3/18/2017 11:10	0.15	13	0.05	0.6
34	3/20/2017 20:00	0.12	3.83	0.1	1.8
35	3/24/2017 2:00	0.37	3.75	0.16	3.1
36	3/26/2017 14:15	0.32	10.08	0.2	2.4
37	3/28/2017 4:05	0.09	4.5	0.06	1.2
38	3/30/2017 5:50	1.62	50.75	0.26	1.9

Shaker Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/3/2017 20:45	0.53	6.5	0.24	2.5
40	4/5/2017 22:35	1.76	34.33	0.22	1.8
41	4/11/2017 5:40	0.27	4	0.18	3.9
42	4/15/2017 11:50	0.03	0.25	0.03	4.1
43	4/19/2017 17:20	1.5	31.83	0.45	4.2
44	4/25/2017 8:20	0.03	0.67	0.03	4.3
45	4/27/2017 16:05	0.05	1.67	0.04	2.3
46	4/28/2017 18:10	0.45	21	0.13	1
47	5/1/2017 6:50	0.54	6.92	0.46	1.7
48	5/2/2017 7:30	0.16	18.75	0.05	0.7
49	5/4/2017 10:05	2.1	71.33	0.13	1.3
50	5/11/2017 5:10	0.11	2.5	0.07	3.8
51	5/13/2017 20:45	0.05	6.33	0.02	2.5
52	5/19/2017 20:00	0.25	1.92	0.23	5.7
53	5/21/2017 10:30	0.68	14.08	0.39	1.5
54	5/24/2017 12:55	1.65	35.92	0.29	2.5
55	5/27/2017 4:10	0.02	0.67	0.02	1.1
56	5/28/2017 17:25	1.2	8.92	0.74	1.5
57	5/30/2017 0:10	0.03	0.33	0.03	0.9
58	6/4/2017 9:20	0.11	3.08	0.09	5.4
59	6/9/2017 19:00	0.02	0.42	0.02	5.3
60	6/14/2017 18:25	0.16	0.92	0.16	5
61	6/16/2017 23:35	0.01	0.08	0.01	2.2
62	6/18/2017 17:10	0.56	0.75	0.56	1.7
63	6/19/2017 17:05	0.17	2	0.16	1
64	6/20/2017 21:50	0.11	5	0.07	1.1
65	6/23/2017 6:35	1.25	19.33	0.57	2.2
66	6/26/2017 22:15	0.05	2.17	0.03	2.9
67	6/29/2017 19:20	2.54	34	1.41	2.8
68	7/7/2017 7:55	0.11	0.92	0.11	6.1
69	7/10/2017 12:55	0.87	22.75	0.5	3.2
70	7/12/2017 7:30	0.03	1.42	0.02	0.8
71	7/13/2017 5:35	0.39	3.67	0.22	0.9
72	7/16/2017 20:50	0.34	0.25	0.34	3.5
73	7/22/2017 8:20	1.19	14.5	0.8	5.5
74	8/2/2017 17:15	0.14	0.33	0.14	10.8
75	8/3/2017 17:20	0.24	0.75	0.24	1
76	8/4/2017 7:15	0.33	8.17	0.12	0.6

Shaker Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/10/2017 14:50	1.64	6.92	0.84	6
78	8/11/2017 11:30	1.08	6.75	0.96	0.6
79	8/15/2017 12:40	0.07	0.17	0.07	3.8
80	8/17/2017 16:35	0.04	1.25	0.03	2.2
81	8/19/2017 8:15	0.1	0.67	0.1	1.6
82	8/21/2017 16:50	0.34	0.42	0.34	2.3
83	8/22/2017 13:45	0.24	6.25	0.15	0.9
84	8/24/2017 20:45	0.01	0.08	0.01	2
85	8/29/2017 7:30	0.02	2.17	0.01	4.4
86	9/2/2017 8:05	0.08	22.67	0.04	3.9
87	9/4/2017 21:55	0.25	3.67	0.11	1.6
88	9/5/2017 13:55	0.33	0.75	0.33	0.5
89	9/6/2017 17:35	0.45	13.58	0.32	1.1
90	9/7/2017 20:10	0.1	10.75	0.07	0.5
91	9/13/2017 22:20	0.1	3.58	0.08	5.6
92	10/5/2017 0:45	0.33	5.25	0.17	21
93	10/6/2017 6:20	0.14	7.58	0.06	1
94	10/8/2017 0:10	0.07	2.75	0.05	1.4
95	10/8/2017 20:35	1.92	14.08	0.99	0.7
96	10/10/2017 13:00	0.01	0.08	0.01	1.1
97	10/11/2017 5:30	0.26	10.5	0.12	0.7
98	10/15/2017 15:25	0.07	1.58	0.06	4
99	10/23/2017 15:15	0.27	23.33	0.09	7.9
100	10/25/2017 9:25	0.01	0.08	0.01	0.8
101	10/26/2017 7:05	0.06	0.92	0.06	0.9
102	10/27/2017 19:50	0.44	17.33	0.13	1.5
103	10/29/2017 7:20	0.11	10.92	0.03	0.8
104	10/30/2017 13:45	0.07	3.42	0.03	0.8
105	11/1/2017 21:25	0.89	9.92	0.33	2.2
106	11/3/2017 1:45	0.75	5.92	0.41	0.8
107	11/5/2017 2:20	1.62	30.42	0.89	1.8
108	11/10/2017 13:35	0.01	0.08	0.01	4.2
109	11/15/2017 15:45	0.18	6.5	0.09	5.1
110	11/18/2017 2:20	3.01	39.08	0.47	2.2
111	11/21/2017 21:50	0.19	3.5	0.08	2.2
112	11/30/2017 12:55	0.13	1.67	0.08	8.5
113	12/5/2017 0:15	0.3	7.17	0.09	4.4
114	12/11/2017 14:35	0.01	0.08	0.01	6.3

Shaker Heights Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/12/2017 2:45	0.16	6.33	0.06	0.5
116	12/13/2017 13:50	0.23	14.42	0.05	1.2
117	12/18/2017 10:00	0.02	3.92	0.01	4.2
118	12/22/2017 5:00	0.61	32.67	0.11	3.6
119	12/24/2017 19:40	0.1	2.83	0.05	1.3
120	12/30/2017 0:05	0.01	0.08	0.01	5.1
121	12/30/2017 20:10	0.04	2.58	0.03	0.8

South Euclid Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/2/2017 8:25	0.01	0.08	0.01	1.4
2	1/3/2017 5:05	1.11	23.08	0.23	0.9
3	1/6/2017 11:10	0.02	0.5	0.02	2.3
4	1/10/2017 8:40	0.37	14	0.1	3.9
5	1/11/2017 18:40	1.52	19.08	0.47	0.8
6	1/14/2017 12:25	0.01	0.08	0.01	1.9
7	1/17/2017 0:05	0.78	12.25	0.19	2.5
8	1/18/2017 0:25	0.1	17.25	0.03	0.5
9	1/20/2017 5:50	0.31	9.33	0.14	1.5
10	1/21/2017 20:00	0.11	4.67	0.09	1.2
11	1/23/2017 4:30	0.15	4.58	0.06	1.2
12	1/23/2017 23:05	0.17	18.83	0.04	0.6
13	1/25/2017 13:05	0.01	0.08	0.01	0.8
14	1/26/2017 9:35	0.11	8.17	0.03	0.9
15	1/27/2017 12:30	0.01	0.08	0.01	0.8
16	1/29/2017 6:00	0.21	17.17	0.07	1.7
17	1/30/2017 11:15	0.18	4.92	0.05	0.5
18	1/31/2017 10:30	0.48	23	0.06	0.8
19	2/6/2017 23:50	1.19	28.33	0.29	5.6
20	2/12/2017 4:25	0.19	4.5	0.08	4
21	2/15/2017 4:05	0.01	0.08	0.01	2.8
22	2/24/2017 4:25	0.01	0.08	0.01	9
23	2/24/2017 22:25	0.61	4.58	0.42	0.8
24	2/26/2017 11:05	0.03	0.5	0.03	1.3
25	3/1/2017 5:25	0.93	18.17	0.45	2.7
26	3/6/2017 20:00	0.8	23.67	0.16	4.9
27	3/9/2017 21:55	0.04	1.5	0.03	2.1
28	3/17/2017 22:25	0.23	20.67	0.03	8
29	3/20/2017 20:05	0.05	3.67	0.03	2
30	3/24/2017 2:00	0.29	3.33	0.13	3.1
31	3/26/2017 14:20	0.37	9.92	0.26	2.4
32	3/28/2017 4:30	0.02	0.75	0.02	1.2
33	3/30/2017 5:50	1.7	50.5	0.27	2
34	4/3/2017 20:50	0.45	6.58	0.23	2.5
35	4/5/2017 22:45	1.38	40.17	0.3	1.8
36	4/11/2017 5:35	0.23	5.17	0.11	3.6
37	4/15/2017 12:00	0.06	0.17	0.06	4.1
38	4/19/2017 16:55	1.76	29.75	0.59	4.2

South Euclid Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/25/2017 7:40	0.04	1.33	0.03	4.4
40	4/27/2017 16:15	0.05	3.42	0.02	2.3
41	4/28/2017 18:15	0.42	21.08	0.12	0.9
42	5/1/2017 6:55	0.72	7	0.63	1.7
43	5/2/2017 7:30	0.11	18.5	0.03	0.7
44	5/4/2017 10:15	2.14	59.58	0.17	1.3
45	5/11/2017 5:10	0.11	3.58	0.06	4.3
46	5/13/2017 21:10	0.05	0.17	0.05	2.5
47	5/18/2017 5:50	0.02	0.08	0.02	4.4
48	5/19/2017 19:55	0.13	1.92	0.08	1.6
49	5/21/2017 10:40	0.47	15.08	0.22	1.5
50	5/24/2017 14:20	1.5	38.17	0.24	2.5
51	5/27/2017 4:40	0.01	0.08	0.01	1
52	5/28/2017 18:10	0.94	9.83	0.61	1.6
53	5/31/2017 13:50	0.03	0.5	0.03	2.4
54	6/4/2017 9:00	0.11	3.25	0.08	3.8
55	6/9/2017 18:50	0.01	0.08	0.01	5.3
56	6/14/2017 18:35	0.23	8.83	0.17	5
57	6/16/2017 1:30	0.02	0.58	0.02	0.9
58	6/16/2017 21:55	0.02	0.92	0.02	0.8
59	6/18/2017 17:10	0.48	0.83	0.48	1.8
60	6/19/2017 13:45	0.32	5.83	0.21	0.8
61	6/20/2017 21:25	0.31	2.75	0.15	1.1
62	6/22/2017 13:00	0.01	0.08	0.01	1.5
63	6/23/2017 6:40	0.84	15.83	0.36	0.7
64	6/26/2017 22:15	0.18	10.83	0.08	3
65	6/29/2017 19:15	2.19	43	1.45	2.4
66	7/7/2017 7:55	0.12	0.75	0.12	5.7
67	7/10/2017 13:40	0.77	19.33	0.34	3.2
68	7/13/2017 5:45	0.55	3.58	0.27	1.9
69	7/16/2017 20:45	0.3	0.25	0.3	3.5
70	7/22/2017 8:25	0.52	14.42	0.43	5.5
71	8/3/2017 14:05	1.04	25.42	0.35	11.6
72	8/5/2017 9:00	0.01	0.08	0.01	0.7
73	8/10/2017 20:10	0.63	16	0.56	5.5
74	8/17/2017 16:30	0.04	1.25	0.03	6.2
75	8/19/2017 8:15	0.25	0.42	0.25	1.6
76	8/21/2017 17:20	0.01	0.08	0.01	2.4

South Euclid Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/22/2017 9:55	0.2	10.08	0.09	0.7
78	8/24/2017 2:05	0.25	9.75	0.13	1.3
79	8/25/2017 6:05	0.01	0.08	0.01	0.8
80	8/29/2017 1:40	0.06	6.5	0.05	3.8
81	8/29/2017 22:45	0.01	0.08	0.01	0.6
82	9/3/2017 1:05	0.03	5.92	0.02	4.1
83	9/4/2017 21:50	0.2	3.75	0.14	1.6
84	9/5/2017 14:05	0.55	13.58	0.48	0.5
85	9/6/2017 17:50	0.81	37.75	0.14	0.6
86	9/8/2017 21:45	0.01	0.08	0.01	0.6
87	9/13/2017 23:00	0.02	2.75	0.01	5.1
88	9/29/2017 14:50	0.16	0.25	0.16	15.5
89	10/4/2017 13:30	0.08	15.17	0.04	4.9
90	10/6/2017 6:35	0.18	6.25	0.08	1.1
91	10/8/2017 1:20	0.04	1.08	0.04	1.5
92	10/8/2017 20:45	1.77	14.33	0.88	0.8
93	10/10/2017 0:40	0.01	0.08	0.01	0.6
94	10/11/2017 5:15	0.53	13	0.38	1.2
95	10/15/2017 15:30	0.11	1.5	0.06	3.9
96	10/23/2017 15:25	0.26	23.92	0.08	7.9
97	10/26/2017 6:35	0.04	0.92	0.04	1.6
98	10/27/2017 19:15	0.48	17.33	0.13	1.5
99	10/29/2017 7:40	0.24	11	0.09	0.8
100	10/30/2017 13:40	0.12	3.67	0.04	0.8
101	11/1/2017 20:10	0.79	8.17	0.29	2.1
102	11/3/2017 1:45	0.55	6.08	0.34	0.9
103	11/5/2017 2:25	1.8	29.58	0.99	1.8
104	11/15/2017 15:45	0.14	6.92	0.09	9.3
105	11/18/2017 2:25	2.72	39.17	0.4	2.2
106	11/21/2017 21:35	0.08	7.08	0.02	2.2
107	11/30/2017 12:50	0.16	1.58	0.12	8.3
108	12/5/2017 0:55	0.16	6.5	0.05	4.4
109	12/12/2017 1:05	0.17	9	0.08	6.7
110	12/13/2017 14:20	0.15	13.75	0.06	1.2
111	12/16/2017 8:20	0.01	0.08	0.01	2.2
112	12/18/2017 14:00	0.01	0.08	0.01	2.2
113	12/22/2017 5:10	0.67	38.58	0.12	3.6
114	12/24/2017 10:30	0.06	4	0.02	0.6

South Euclid Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/28/2017 14:55	0.02	1.08	0.02	4
116	12/29/2017 9:45	0.02	0.08	0.02	0.7

Southerly WWTC Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:45	0.94	23	0.21	2.2
2	1/5/2017 17:00	0.02	1.08	0.02	1.6
3	1/8/2017 1:00	0.01	0.08	0.01	2.3
4	1/10/2017 2:45	0.19	19.83	0.07	2.1
5	1/11/2017 18:25	1.35	19.25	0.5	0.8
6	1/14/2017 8:20	0.01	0.08	0.01	1.8
7	1/16/2017 23:50	0.45	12.08	0.13	2.6
8	1/18/2017 0:35	0.07	5.25	0.03	0.5
9	1/20/2017 6:15	0.3	3.92	0.19	2
10	1/21/2017 0:20	0.01	0.08	0.01	0.6
11	1/21/2017 21:00	0.01	0.08	0.01	0.9
12	1/23/2017 3:35	0.33	6.25	0.13	1.3
13	1/23/2017 23:25	0.19	18.92	0.05	0.6
14	1/25/2017 11:40	0.01	0.08	0.01	0.7
15	1/26/2017 10:05	0.13	8	0.03	0.9
16	1/27/2017 7:55	0.02	0.42	0.02	0.6
17	1/29/2017 9:00	0.81	25.08	0.19	2
18	1/31/2017 3:55	0.18	16.17	0.04	0.7
19	2/6/2017 23:20	1.84	28.33	0.7	6.1
20	2/8/2017 18:25	0.06	5	0.04	0.6
21	2/12/2017 4:05	0.27	3.17	0.13	3.2
22	2/15/2017 3:20	0.02	0.25	0.02	2.8
23	2/15/2017 18:00	0.05	1.17	0.04	0.6
24	2/22/2017 11:55	0.01	0.08	0.01	6.7
25	2/24/2017 4:15	0.01	0.08	0.01	1.7
26	2/24/2017 22:35	0.43	4	0.27	0.8
27	2/26/2017 1:30	0.01	0.08	0.01	1
28	3/1/2017 2:05	0.66	26	0.35	3
29	3/2/2017 21:05	0.25	13.42	0.06	0.7
30	3/6/2017 20:10	0.72	23.5	0.18	3.4
31	3/9/2017 20:55	0.04	9.42	0.03	2.1
32	3/13/2017 19:50	0.05	9.25	0.02	3.6
33	3/17/2017 19:05	0.04	0.92	0.04	3.6
34	3/18/2017 13:25	0.15	9.83	0.05	0.7
35	3/20/2017 20:25	0.02	3.58	0.01	1.9
36	3/24/2017 2:05	0.25	3.5	0.1	3.1
37	3/26/2017 17:45	0.31	6.25	0.26	2.5
38	3/27/2017 13:30	0.01	0.08	0.01	0.6

Southerly WWTC Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	3/28/2017 4:10	0.1	6.25	0.07	0.6
40	3/30/2017 5:50	1.62	45.75	0.23	1.8
41	4/3/2017 13:20	0.5	13.83	0.18	2.4
42	4/5/2017 22:25	1.46	34.42	0.25	1.8
43	4/11/2017 6:45	0.25	2.42	0.2	3.9
44	4/15/2017 10:45	0.02	1	0.02	4.1
45	4/19/2017 10:55	1.65	39.33	0.52	4
46	4/25/2017 7:05	0.04	2.17	0.03	4.2
47	4/27/2017 15:35	0.11	2.08	0.08	2.3
48	4/28/2017 18:25	0.54	20.83	0.15	1
49	5/1/2017 6:50	0.67	6.75	0.55	1.7
50	5/2/2017 7:20	0.15	6.42	0.08	0.7
51	5/3/2017 2:00	0.1	1.33	0.09	0.5
52	5/4/2017 6:05	1.96	64.75	0.19	1.1
53	5/11/2017 5:05	0.14	2.5	0.08	4.3
54	5/13/2017 20:55	0.05	9	0.03	2.6
55	5/19/2017 19:55	0.18	8.5	0.14	5.6
56	5/21/2017 10:40	0.39	2.25	0.2	1.3
57	5/22/2017 1:40	0.01	0.08	0.01	0.5
58	5/24/2017 13:55	1.75	34.67	0.26	2.5
59	5/27/2017 4:10	0.02	0.42	0.02	1.2
60	5/28/2017 17:15	1.46	10.5	0.9	1.5
61	5/30/2017 0:00	0.1	1.08	0.1	0.8
62	6/4/2017 8:20	0.14	4.17	0.1	5.3
63	6/9/2017 19:15	0.01	0.08	0.01	5.3
64	6/14/2017 18:25	0.01	0.08	0.01	5
65	6/18/2017 17:05	0.64	1	0.64	3.9
66	6/19/2017 18:20	0.13	0.67	0.13	1
67	6/20/2017 22:00	0.12	1.75	0.08	1.1
68	6/23/2017 6:35	1.16	8.08	0.52	2.3
69	6/26/2017 21:40	0.09	12.33	0.04	3.3
70	6/29/2017 19:15	3.12	34	1.77	2.4
71	7/7/2017 7:50	0.18	0.75	0.18	6.1
72	7/10/2017 8:50	0.79	32.25	0.46	3
73	7/12/2017 7:25	0.06	1.17	0.05	0.6
74	7/13/2017 5:15	0.33	3.25	0.2	0.9
75	7/16/2017 20:40	0.08	0.33	0.08	3.5
76	7/22/2017 8:10	1.02	2.5	0.93	5.5

Southerly WWTC Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	7/24/2017 15:30	0.01	0.08	0.01	2.2
78	8/3/2017 14:45	0.53	2.83	0.52	10
79	8/4/2017 7:05	0.39	8.08	0.16	0.6
80	8/5/2017 4:40	0.09	1	0.09	0.6
81	8/10/2017 16:45	0.07	4.83	0.04	5.5
82	8/11/2017 11:35	0.46	6.5	0.43	0.6
83	8/17/2017 16:50	0.04	0.83	0.04	6
84	8/19/2017 8:10	0.1	0.58	0.1	1.6
85	8/20/2017 6:35	0.01	0.08	0.01	0.9
86	8/22/2017 13:40	0.54	6.33	0.28	2.3
87	8/24/2017 5:00	0.03	0.75	0.03	1.4
88	8/24/2017 20:35	0.03	9.5	0.02	0.6
89	8/29/2017 7:55	0.08	1.83	0.05	4.1
90	9/2/2017 13:10	0.12	17.42	0.07	4.1
91	9/4/2017 21:45	0.23	3.75	0.09	1.6
92	9/5/2017 14:00	0.18	0.58	0.18	0.5
93	9/6/2017 17:25	0.25	9.25	0.22	1.1
94	9/7/2017 17:20	0.26	15.5	0.18	0.6
95	9/13/2017 22:15	0.08	3.92	0.05	5.6
96	10/5/2017 0:35	0.19	4.75	0.09	20.9
97	10/6/2017 5:50	0.2	7.58	0.07	1
98	10/8/2017 1:10	0.03	1.42	0.02	1.5
99	10/8/2017 19:45	2.04	14.83	0.99	0.7
100	10/10/2017 0:15	0.02	5.08	0.01	0.6
101	10/11/2017 5:15	0.19	10.33	0.11	1
102	10/14/2017 4:50	0.01	0.08	0.01	2.6
103	10/15/2017 15:20	0.06	1.58	0.05	1.4
104	10/23/2017 15:15	0.21	22.92	0.1	7.9
105	10/26/2017 7:45	0.09	1.25	0.08	1.7
106	10/27/2017 19:10	0.32	17.17	0.09	1.4
107	10/29/2017 8:20	0.23	10.08	0.07	0.8
108	10/30/2017 13:40	0.09	3.42	0.04	0.8
109	11/1/2017 21:30	0.8	6.92	0.34	2.2
110	11/3/2017 1:40	0.86	7.17	0.48	0.9
111	11/5/2017 4:05	1.33	27.75	0.7	1.8
112	11/13/2017 0:15	0.01	0.08	0.01	6.7
113	11/15/2017 15:40	0.14	5.92	0.08	2.6
114	11/18/2017 2:15	2.6	40	0.48	2.2

Southerly WWTC Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	11/21/2017 22:00	0.16	3	0.08	2.2
116	11/30/2017 12:50	0.11	1.67	0.07	8.5
117	12/5/2017 0:40	0.12	5.92	0.05	4.4
118	12/12/2017 2:45	0.13	5.08	0.04	6.8
119	12/13/2017 20:50	0.08	7.92	0.04	1.5
120	12/18/2017 13:40	0.01	0.08	0.01	4.4
121	12/22/2017 4:55	0.5	31.5	0.1	3.6
122	12/24/2017 19:20	0.1	3	0.05	1.3
123	12/30/2017 1:45	0.01	0.08	0.01	5.1
124	12/30/2017 20:50	0.07	3.67	0.04	0.8

Strongsville C WWTP Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:20	1.03	23.42	0.22	2.2
2	1/5/2017 16:15	0.03	1.58	0.02	1.5
3	1/10/2017 2:20	0.35	20.17	0.08	4.4
4	1/11/2017 18:00	1.52	20.25	0.45	0.8
5	1/16/2017 15:05	0.52	20.67	0.12	4
6	1/18/2017 0:25	0.15	4.92	0.08	0.5
7	1/20/2017 5:10	0.3	8.5	0.11	2
8	1/21/2017 7:10	0.01	0.08	0.01	0.7
9	1/21/2017 20:35	0.06	0.33	0.06	0.6
10	1/23/2017 4:00	0.58	31.92	0.13	1.3
11	1/25/2017 11:25	0.03	0.42	0.03	1
12	1/26/2017 9:55	0.15	7.25	0.04	0.9
13	1/27/2017 21:55	0.01	0.08	0.01	1.2
14	1/29/2017 9:35	0.23	23	0.07	1.5
15	1/31/2017 0:00	0.19	19.92	0.05	0.6
16	2/1/2017 21:45	0.01	0.08	0.01	1.1
17	2/6/2017 22:45	1.97	29.42	0.93	5
18	2/8/2017 17:50	0.09	5.67	0.04	0.6
19	2/9/2017 11:40	0.03	0.42	0.03	0.5
20	2/12/2017 1:05	0.3	16	0.14	2.5
21	2/15/2017 3:25	0.01	0.08	0.01	2.4
22	2/15/2017 18:40	0.06	1.83	0.05	0.6
23	2/22/2017 7:55	0.02	0.92	0.02	6.5
24	2/23/2017 22:40	0.03	5.58	0.02	1.6
25	2/24/2017 22:05	0.47	4.25	0.29	0.7
26	2/25/2017 15:15	0.01	0.08	0.01	0.5
27	3/1/2017 1:50	0.62	26	0.29	3.4
28	3/2/2017 20:45	0.34	13.33	0.11	0.7
29	3/6/2017 19:55	0.9	23.58	0.16	3.4
30	3/9/2017 20:45	0.05	9.25	0.03	2.1
31	3/13/2017 19:00	0.14	15.75	0.03	3.5
32	3/16/2017 0:20	0.01	0.08	0.01	1.6
33	3/17/2017 18:35	0.06	1.67	0.05	1.8
34	3/18/2017 11:45	0.13	14.5	0.04	0.6
35	3/20/2017 20:00	0.04	4	0.02	1.7
36	3/24/2017 1:40	0.42	3.58	0.16	3.1
37	3/26/2017 13:55	0.32	9.92	0.21	2.4
38	3/28/2017 4:10	0.13	6	0.07	1.2

Strongsville C WWTP Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	3/30/2017 5:45	2.07	43.75	0.37	1.8
40	4/3/2017 20:30	0.55	6.75	0.27	2.8
41	4/5/2017 22:05	1.64	35	0.26	1.8
42	4/11/2017 7:10	0.3	1.83	0.24	3.9
43	4/15/2017 10:20	0.06	1.67	0.04	4.1
44	4/19/2017 17:20	1.01	15.17	0.45	4.2
45	4/20/2017 22:05	0.16	2.08	0.15	0.6
46	4/25/2017 7:45	0.01	0.08	0.01	4.3
47	4/27/2017 17:15	0.06	0.25	0.06	2.4
48	4/28/2017 18:00	0.66	21.08	0.15	1
49	5/1/2017 6:25	0.38	6.92	0.27	1.6
50	5/2/2017 7:05	0.16	6.83	0.07	0.7
51	5/3/2017 3:00	0.12	2.75	0.1	0.5
52	5/4/2017 5:45	1.97	65.58	0.14	1
53	5/11/2017 4:40	0.24	4.08	0.16	4.2
54	5/13/2017 20:35	0.14	11.42	0.12	2.5
55	5/19/2017 19:35	0.1	1.92	0.07	5.5
56	5/20/2017 17:35	0.01	0.08	0.01	0.8
57	5/21/2017 9:50	0.34	15.33	0.12	0.7
58	5/24/2017 6:55	1.54	40.25	0.25	2.2
59	5/27/2017 3:05	0.13	2.67	0.1	1.2
60	5/28/2017 17:25	0.58	8.33	0.53	1.5
61	5/29/2017 23:45	0.29	0.25	0.29	0.9
62	6/4/2017 8:15	0.11	3.75	0.09	5.3
63	6/6/2017 21:30	0.05	6.33	0.03	2.4
64	6/9/2017 18:55	0.07	3.17	0.06	2.6
65	6/14/2017 17:15	0.46	1.33	0.45	4.8
66	6/16/2017 22:35	0.01	0.08	0.01	2.2
67	6/18/2017 16:50	0.56	1.08	0.56	1.8
68	6/19/2017 18:05	0.15	0.92	0.15	1
69	6/20/2017 22:05	0.06	6.08	0.05	1.1
70	6/22/2017 12:45	0.01	0.08	0.01	1.4
71	6/23/2017 6:15	0.9	8.25	0.54	0.7
72	6/26/2017 18:55	0.21	4.92	0.1	3.2
73	6/29/2017 19:05	3.23	33.92	1.88	2.8
74	7/7/2017 7:40	0.27	1.33	0.26	6.1
75	7/8/2017 5:00	0.14	0.17	0.14	0.8
76	7/10/2017 8:05	1.49	18.33	0.7	2.1

Strongsville C WWTP Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	7/12/2017 6:55	0.22	1.58	0.19	1.2
78	7/13/2017 5:45	0.5	3.5	0.32	0.9
79	7/16/2017 20:25	0.25	0.33	0.25	3.5
80	7/20/2017 12:20	0.12	0.17	0.12	3.7
81	7/22/2017 7:40	0.39	2.67	0.34	1.8
82	8/3/2017 14:05	0.77	24.92	0.31	12.2
83	8/11/2017 17:35	0.22	0.25	0.22	7.1
84	8/17/2017 16:35	0.08	1.5	0.07	6
85	8/19/2017 8:00	0.13	0.67	0.13	1.6
86	8/22/2017 19:30	0.15	1	0.15	3.5
87	8/24/2017 13:00	0.06	11.17	0.04	1.7
88	8/28/2017 11:05	0.11	21.17	0.05	3.5
89	9/2/2017 12:35	0.17	1.17	0.16	4.2
90	9/3/2017 1:45	0.05	5.08	0.04	0.5
91	9/4/2017 21:45	0.78	16.58	0.42	1.6
92	9/6/2017 16:55	0.22	0.42	0.22	1.1
93	9/7/2017 17:25	0.03	3.67	0.01	1
94	9/8/2017 10:25	0.13	1.83	0.12	0.6
95	9/13/2017 22:50	0.07	3.5	0.03	5.4
96	9/19/2017 12:50	0.04	1.33	0.03	5.4
97	10/5/2017 4:05	0.11	5.33	0.05	15.6
98	10/6/2017 5:00	0.45	8.83	0.3	0.8
99	10/8/2017 1:05	0.03	1.33	0.02	1.5
100	10/8/2017 20:10	2.34	16.67	1.28	0.7
101	10/11/2017 4:35	0.2	9.83	0.12	1.7
102	10/15/2017 15:35	0.03	1.5	0.02	4.1
103	10/23/2017 15:05	0.35	22.83	0.15	7.9
104	10/27/2017 19:10	0.31	17.42	0.06	3.2
105	10/29/2017 10:10	0.11	14.08	0.05	0.9
106	10/30/2017 13:30	0.13	6.08	0.04	0.6
107	11/1/2017 21:05	2.07	33.33	0.75	2.1
108	11/5/2017 1:55	1.47	33.17	0.59	1.8
109	11/12/2017 23:40	0.03	0.67	0.03	6.5
110	11/15/2017 15:20	0.19	6.42	0.11	2.6
111	11/18/2017 2:10	2.74	23.5	0.43	2.2
112	11/19/2017 15:55	0.09	2.92	0.05	0.6
113	11/21/2017 21:50	0.16	2.42	0.08	2.1
114	11/30/2017 12:25	0.14	2	0.09	8.5

Strongsville C WWTP Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/5/2017 0:35	0.26	6.58	0.1	4.4
116	12/10/2017 3:00	0.01	0.08	0.01	4.8
117	12/11/2017 13:10	0.01	0.08	0.01	1.4
118	12/12/2017 3:05	0.11	12.83	0.03	0.6
119	12/13/2017 5:50	0.25	22.42	0.06	0.6
120	12/17/2017 22:45	0.01	0.08	0.01	3.8
121	12/18/2017 13:05	0.03	1.08	0.03	0.6
122	12/22/2017 4:40	0.65	32.75	0.12	3.6
123	12/24/2017 19:20	0.13	5.25	0.06	1.3
124	12/30/2017 1:15	0.1	13.92	0.08	5

Strongsville Foltz Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:10	0.98	23.58	0.21	2.2
2	1/5/2017 16:35	0.03	1.42	0.02	1.5
3	1/10/2017 2:20	0.35	20.08	0.08	4.4
4	1/11/2017 17:55	1.55	20.42	0.55	0.8
5	1/16/2017 14:35	0.46	20.92	0.11	4
6	1/18/2017 0:05	0.07	4.92	0.03	0.5
7	1/20/2017 5:00	0.26	4.67	0.09	2
8	1/21/2017 19:55	0.02	0.67	0.02	1.4
9	1/23/2017 3:20	0.71	27.67	0.15	1.3
10	1/25/2017 11:15	0.05	1.75	0.04	1.2
11	1/26/2017 10:15	0.16	12.75	0.05	0.9
12	1/27/2017 22:05	0.01	0.08	0.01	1
13	1/29/2017 16:25	0.2	22	0.07	1.8
14	1/31/2017 2:30	0.13	17.67	0.04	0.5
15	2/6/2017 22:45	1.48	29.67	0.67	6.1
16	2/8/2017 17:45	0.08	18.17	0.04	0.6
17	2/12/2017 0:45	0.26	6.33	0.1	2.5
18	2/15/2017 3:20	0.01	0.08	0.01	2.8
19	2/15/2017 19:15	0.03	2.67	0.02	0.7
20	2/21/2017 21:20	0.15	10.58	0.13	6
21	2/23/2017 22:25	0.03	0.42	0.03	1.6
22	2/24/2017 22:05	0.56	4.17	0.38	1
23	3/1/2017 1:45	0.82	25.83	0.36	4
24	3/2/2017 20:45	0.33	12.58	0.14	0.7
25	3/6/2017 7:00	0.01	0.08	0.01	2.9
26	3/6/2017 19:40	0.89	23.75	0.18	0.5
27	3/8/2017 16:30	0.01	0.08	0.01	0.9
28	3/9/2017 20:50	0.04	15.58	0.02	1.2
29	3/13/2017 19:45	0.03	10.17	0.01	3.3
30	3/17/2017 14:20	0.1	6.17	0.07	3.4
31	3/18/2017 13:00	0.13	6	0.06	0.7
32	3/20/2017 6:35	0.03	17.5	0.01	1.5
33	3/24/2017 1:35	0.44	3.83	0.16	3.1
34	3/26/2017 13:50	0.33	10.08	0.18	2.4
35	3/28/2017 4:00	0.19	4.33	0.13	1.2

Strongsville Foltz Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
36	3/30/2017 5:30	1.37	46.58	0.23	1.9
37	4/3/2017 20:30	0.55	12.67	0.23	2.7
38	4/5/2017 21:55	1.23	35.25	0.28	1.5
39	4/11/2017 6:55	0.2	2	0.15	3.9
40	4/15/2017 10:10	0.1	4.17	0.07	4.1
41	4/19/2017 18:40	0.89	28.25	0.32	4.2
42	4/25/2017 8:05	0.01	0.08	0.01	4.4
43	4/27/2017 17:10	0.09	0.17	0.09	2.4
44	4/28/2017 17:25	0.7	21.33	0.17	1
45	5/1/2017 6:20	0.3	6.83	0.18	1.7
46	5/2/2017 2:00	0.1	10.92	0.04	0.5
47	5/3/2017 3:15	0.1	1.92	0.08	0.6
48	5/4/2017 5:25	1.76	66.08	0.13	1
49	5/11/2017 4:25	0.31	4.75	0.21	4.2
50	5/18/2017 20:00	0.08	0.25	0.08	7.5
51	5/19/2017 15:35	0.14	6	0.08	0.8
52	5/20/2017 17:20	0.07	0.17	0.07	0.8
53	5/21/2017 9:35	0.34	15.75	0.12	0.7
54	5/24/2017 7:50	0.37	12.08	0.21	2.3
55	5/25/2017 8:35	1	14.58	0.16	0.5
56	5/27/2017 2:35	0.17	2	0.1	1.1
57	5/28/2017 16:50	0.46	17.67	0.15	1.5
58	5/29/2017 23:40	0.09	0.83	0.09	0.6
59	6/4/2017 11:20	0.01	0.08	0.01	5.5
60	6/6/2017 21:30	0.06	6.67	0.04	2.4
61	6/9/2017 18:45	0.2	15	0.16	2.6
62	6/14/2017 16:35	0.88	1.42	0.76	4.3
63	6/18/2017 16:45	0.16	1.08	0.15	4
64	6/19/2017 18:00	0.13	0.83	0.13	1
65	6/20/2017 22:00	0.06	0.33	0.06	1.1
66	6/23/2017 6:05	1	8.42	0.55	2.3
67	6/26/2017 19:00	0.21	6.25	0.15	3.2
68	6/29/2017 19:05	2.28	40.83	0.57	2.7
69	7/7/2017 7:50	0.24	0.92	0.24	5.8
70	7/10/2017 7:30	0.93	18.75	0.6	3

Strongsville Foltz Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
71	7/11/2017 17:15	0.02	0.08	0.02	0.6
72	7/12/2017 6:50	0.29	1.5	0.26	0.6
73	7/13/2017 5:40	0.5	3.17	0.3	0.9
74	7/16/2017 20:30	0.24	0.17	0.24	3.5
75	7/22/2017 7:35	0.2	1.67	0.16	5.5
76	8/4/2017 6:50	0.48	8.08	0.25	12.9
77	8/5/2017 19:30	0.08	0.33	0.08	1.2
78	8/15/2017 16:35	0.22	0.5	0.22	9.9
79	8/17/2017 17:00	0.06	1.08	0.06	2
80	8/19/2017 7:55	0.28	0.75	0.28	1.6
81	8/22/2017 9:25	0.12	10.75	0.1	3
82	8/28/2017 17:30	0.09	14.42	0.04	5.9
83	9/2/2017 12:35	0.11	1.08	0.11	4.2
84	9/3/2017 4:30	0.17	3.17	0.14	0.6
85	9/4/2017 21:45	0.17	3.5	0.09	1.6
86	9/6/2017 16:45	0.25	0.92	0.25	1.6
87	9/7/2017 17:05	0.08	2.33	0.06	1
88	9/8/2017 11:55	0.04	0.33	0.04	0.7
89	9/13/2017 22:00	0.07	3.75	0.03	5.4
90	9/19/2017 12:20	0.09	0.42	0.09	5.4
91	10/5/2017 5:50	0.04	0.67	0.04	15.7
92	10/6/2017 4:05	0.59	9.17	0.39	0.9
93	10/8/2017 0:55	0.05	1.5	0.03	1.5
94	10/8/2017 19:35	2.05	12.5	1.08	0.7
95	10/9/2017 23:35	0.02	10.25	0.01	0.6
96	10/11/2017 5:00	0.14	9.08	0.11	0.8
97	10/15/2017 13:45	0.04	1.5	0.03	4
98	10/16/2017 4:40	0.02	0.58	0.02	0.6
99	10/23/2017 15:00	0.31	22.58	0.14	7.4
100	10/25/2017 10:00	0.01	0.08	0.01	0.9
101	10/27/2017 19:30	0.24	16.83	0.05	2.4
102	10/29/2017 12:10	0.01	0.08	0.01	1
103	10/30/2017 13:40	0.1	3.83	0.04	1.1
104	11/1/2017 21:10	0.75	7	0.32	2.2
105	11/3/2017 1:35	0.83	5.17	0.62	0.9

Strongsville Foltz Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
106	11/5/2017 9:30	1.17	23.42	0.43	2.1
107	11/12/2017 23:20	0.04	1.25	0.03	6.6
108	11/15/2017 15:15	0.15	6.92	0.09	2.6
109	11/18/2017 2:10	2.51	23.42	0.41	2.2
110	11/19/2017 14:30	0.01	0.08	0.01	0.5
111	11/21/2017 21:55	0.14	2.33	0.08	2.3
112	11/30/2017 12:30	0.13	1.67	0.08	8.5
113	12/5/2017 0:15	0.2	7.25	0.06	4.4
114	12/12/2017 3:30	0.08	12.83	0.03	6.8
115	12/13/2017 14:20	0.13	13.33	0.04	0.9
116	12/17/2017 22:25	0.01	0.08	0.01	3.8
117	12/18/2017 12:50	0.04	1.58	0.03	0.6
118	12/22/2017 4:45	0.52	32.17	0.12	3.6
119	12/24/2017 19:10	0.12	13	0.06	1.3
120	12/30/2017 1:40	0.01	0.08	0.01	4.7

Westlake Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:05	0.96	23.5	0.22	2.2
2	1/5/2017 18:15	0.01	0.08	0.01	1.6
3	1/10/2017 2:05	0.55	21.42	0.22	4.3
4	1/11/2017 18:10	1.58	19.17	0.41	0.8
5	1/16/2017 15:30	0.64	20.33	0.18	4.1
6	1/18/2017 0:20	0.04	3.5	0.02	0.5
7	1/20/2017 5:50	0.29	8.67	0.11	2.1
8	1/23/2017 4:10	0.58	5.5	0.16	2.6
9	1/24/2017 0:20	0.15	8.92	0.05	0.6
10	1/25/2017 11:10	0.01	0.08	0.01	1.1
11	1/26/2017 9:55	0.09	7.75	0.03	0.9
12	1/27/2017 7:25	0.04	0.58	0.04	0.6
13	1/29/2017 8:40	0.37	22.33	0.09	2
14	1/30/2017 23:50	0.24	19.67	0.06	0.7
15	2/6/2017 23:10	1.32	28.33	0.39	6.2
16	2/8/2017 17:40	0.12	3.83	0.05	0.6
17	2/11/2017 18:05	0.2	15.58	0.07	2.9
18	2/15/2017 3:00	0.01	0.08	0.01	2.7
19	2/15/2017 18:15	0.02	0.67	0.02	0.6
20	2/24/2017 0:50	0.01	0.08	0.01	8.3
21	2/24/2017 21:50	0.57	3.58	0.28	0.9
22	3/1/2017 5:10	0.75	22.92	0.38	4.2
23	3/2/2017 20:30	0.21	12.92	0.05	0.7
24	3/6/2017 19:40	0.61	22.92	0.15	3.4
25	3/9/2017 20:25	0.04	2.08	0.03	2.1
26	3/13/2017 19:15	0.14	10.25	0.05	3.9
27	3/17/2017 18:10	0.11	2	0.07	3.5
28	3/18/2017 13:55	0.13	9.42	0.04	0.7
29	3/20/2017 6:35	0.01	0.08	0.01	1.3
30	3/24/2017 1:40	0.4	3.5	0.15	3.8
31	3/26/2017 14:00	0.24	22.25	0.16	2.4
32	3/28/2017 4:30	0.05	3.83	0.03	0.7
33	3/30/2017 5:30	1.47	43.5	0.27	1.9
34	4/3/2017 13:10	0.29	13.75	0.16	2.5
35	4/5/2017 21:20	0.31	2.25	0.26	1.8
36	4/6/2017 15:55	0.7	16.58	0.17	0.7
37	4/11/2017 5:00	0.05	2.83	0.02	3.9
38	4/15/2017 11:30	0.03	0.08	0.03	4.2

Westlake Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	4/19/2017 16:40	2.45	29.75	1.58	4.2
40	4/27/2017 15:30	0.03	0.08	0.03	6.7
41	4/28/2017 17:55	0.42	21.33	0.13	1.1
42	4/30/2017 20:10	0.51	17.08	0.32	1.2
43	5/2/2017 6:55	0.13	7.25	0.05	0.7
44	5/3/2017 2:55	0.05	1	0.05	0.5
45	5/4/2017 5:40	1.93	65	0.16	1.1
46	5/11/2017 4:35	0.22	3.5	0.09	4.3
47	5/13/2017 20:15	0.09	1.75	0.08	2.5
48	5/19/2017 19:30	0.23	2.67	0.2	5.9
49	5/20/2017 17:30	0.01	0.08	0.01	0.8
50	5/21/2017 9:55	0.49	13.67	0.32	0.7
51	5/24/2017 8:35	1.42	38.25	0.27	2.4
52	5/27/2017 3:30	0.03	0.75	0.03	1.2
53	5/28/2017 17:10	0.92	8.42	0.67	1.5
54	5/29/2017 22:40	0.03	8.33	0.02	0.9
55	6/4/2017 10:35	0.08	0.83	0.08	5.2
56	6/5/2017 3:00	0.03	0.67	0.03	0.7
57	6/6/2017 21:25	0.04	6.33	0.03	1.7
58	6/8/2017 7:05	0.01	0.08	0.01	1.1
59	6/9/2017 18:35	0.05	0.25	0.05	1.5
60	6/14/2017 17:15	0.13	1.33	0.12	4.9
61	6/18/2017 16:30	0.42	0.83	0.42	3.9
62	6/19/2017 13:35	0.05	4.83	0.04	0.8
63	6/20/2017 21:50	0.17	3.5	0.15	1.1
64	6/23/2017 6:20	1	15.42	0.66	2.2
65	6/29/2017 18:50	2.2	35.08	0.63	5.9
66	7/3/2017 7:05	0.01	0.08	0.01	2.1
67	7/7/2017 7:35	0.28	1.33	0.27	4
68	7/10/2017 7:50	1.18	18.92	0.5	3
69	7/11/2017 17:35	0.36	0.42	0.36	0.6
70	7/12/2017 6:50	0.13	2.33	0.1	0.5
71	7/13/2017 4:55	0.36	3.5	0.19	0.8
72	7/16/2017 20:00	0.12	1.33	0.11	3.5
73	7/22/2017 7:30	0.23	6.17	0.21	5.4
74	7/24/2017 6:40	0.01	0.08	0.01	1.7
75	8/2/2017 17:00	0.04	0.25	0.04	9.4
76	8/3/2017 14:10	1.43	24.17	1.1	0.9

Westlake Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	8/5/2017 4:55	0.02	0.5	0.02	0.6
78	8/11/2017 10:25	0.23	0.75	0.23	6.2
79	8/17/2017 16:10	0.11	1.25	0.1	6.2
80	8/19/2017 7:50	0.18	0.42	0.18	1.6
81	8/22/2017 9:20	0.34	14.08	0.3	3
82	8/24/2017 6:40	0.12	13.17	0.04	1.3
83	8/28/2017 18:10	0.15	16.5	0.12	3.9
84	9/2/2017 13:25	0.09	4.17	0.08	4.1
85	9/3/2017 7:05	0.02	0.92	0.02	0.6
86	9/4/2017 21:30	0.46	23.83	0.28	1.6
87	9/6/2017 16:50	0.14	10.92	0.06	0.8
88	9/7/2017 18:50	0.36	15.08	0.26	0.6
89	9/13/2017 23:15	0.06	5.42	0.03	5.6
90	9/19/2017 12:00	0.08	18.17	0.03	5.3
91	10/5/2017 0:15	0.23	6.08	0.1	14.8
92	10/6/2017 5:20	0.23	7.42	0.07	1
93	10/8/2017 0:45	0.01	0.08	0.01	1.5
94	10/8/2017 19:55	2.51	12.25	1.22	0.8
95	10/10/2017 1:30	0.01	0.08	0.01	0.7
96	10/11/2017 4:05	0.37	10.25	0.29	1.1
97	10/15/2017 13:35	0.17	2.58	0.12	4
98	10/23/2017 15:15	0.25	22.33	0.1	8
99	10/26/2017 0:25	0.1	2	0.05	1.5
100	10/27/2017 21:05	0.29	14.83	0.06	1.8
101	10/29/2017 6:55	0.07	5.33	0.03	0.8
102	10/30/2017 13:25	0.1	3.67	0.04	1.1
103	11/1/2017 20:15	0.65	7.58	0.27	2.1
104	11/3/2017 1:55	0.52	5.75	0.36	0.9
105	11/5/2017 7:05	1.81	24.33	1.06	2
106	11/6/2017 20:25	0.01	0.08	0.01	0.5
107	11/15/2017 15:20	0.17	5.42	0.12	8.8
108	11/16/2017 12:15	0.01	0.08	0.01	0.6
109	11/18/2017 1:55	3	41.5	0.43	1.6
110	11/21/2017 21:45	0.18	2.58	0.11	2.1
111	11/30/2017 11:55	0.12	2.08	0.07	8.5
112	12/4/2017 21:50	0.14	8.67	0.05	4.3
113	12/11/2017 13:50	0.01	0.08	0.01	6.3
114	12/12/2017 2:40	0.11	3.42	0.04	0.5

Westlake Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
115	12/13/2017 7:20	0.28	19.92	0.07	1.1
116	12/18/2017 13:10	0.01	0.08	0.01	4.4
117	12/22/2017 4:55	0.71	32	0.11	3.7
118	12/24/2017 13:20	0.15	9.42	0.05	1
119	12/27/2017 8:30	0.01	0.08	0.01	2.4
120	12/30/2017 0:20	0.01	0.08	0.01	2.7

GJM Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
1	1/3/2017 4:45	0.91	23	0.21	2.2
2	1/10/2017 8:35	0.39	13.92	0.13	6.2
3	1/11/2017 18:30	1.36	19.58	0.38	0.8
4	1/16/2017 15:55	0.71	20.25	0.18	4.1
5	1/18/2017 1:00	0.07	6	0.03	0.5
6	1/20/2017 6:10	0.35	8.67	0.19	2
7	1/23/2017 4:10	0.29	5.17	0.11	2.6
8	1/23/2017 23:40	0.18	16.5	0.04	0.6
9	1/25/2017 12:35	0.01	0.08	0.01	0.9
10	1/26/2017 10:35	0.09	7.5	0.02	0.9
11	1/27/2017 18:35	0.01	0.08	0.01	1
12	1/29/2017 21:10	0.01	0.08	0.01	2.1
13	1/31/2017 14:20	0.12	5.5	0.04	1.7
14	2/2/2017 12:45	0.01	0.08	0.01	1.7
15	2/6/2017 23:30	1.14	22.42	0.27	4.4
16	2/12/2017 4:20	0.17	7.25	0.06	4.3
17	2/15/2017 3:45	0.02	1.75	0.01	2.7
18	2/24/2017 22:05	0.66	4.67	0.47	9.7
19	3/1/2017 5:20	0.87	17.42	0.46	4.1
20	3/3/2017 13:55	0.01	0.08	0.01	1.6
21	3/6/2017 19:55	0.66	23.83	0.13	3.3
22	3/9/2017 20:50	0.03	1.08	0.03	2
23	3/17/2017 22:45	0.2	26.17	0.03	8
24	3/20/2017 20:00	0.1	5.08	0.09	1.8
25	3/24/2017 2:00	0.36	3.33	0.15	3
26	3/26/2017 14:30	0.33	9.5	0.27	2.4
27	3/28/2017 4:40	0.02	1	0.02	1.2
28	3/30/2017 5:45	1.56	42.5	0.28	2
29	4/3/2017 20:55	0.48	6.75	0.26	2.9
30	4/5/2017 22:35	1.07	35.75	0.18	1.8
31	4/11/2017 5:20	0.15	3.67	0.07	3.8
32	4/15/2017 11:55	0.04	0.17	0.04	4.1
33	4/19/2017 16:40	1.97	35.83	0.64	4.2
34	4/25/2017 7:40	0.01	0.08	0.01	4.1
35	4/27/2017 15:35	0.07	2.17	0.05	2.3
36	4/28/2017 18:10	0.33	21	0.11	1
37	5/1/2017 6:45	0.46	6.83	0.36	1.7
38	5/2/2017 7:20	0.14	18.42	0.03	0.7

GJM Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
39	5/4/2017 10:30	1.33	57.42	0.17	1.4
40	5/11/2017 5:00	0.1	2.92	0.06	4.4
41	5/13/2017 20:30	0.05	0.25	0.05	2.5
42	5/19/2017 18:55	0.13	2.42	0.1	5.9
43	5/21/2017 10:25	0.37	14.08	0.17	1.5
44	5/24/2017 7:30	1.69	41	0.21	2.3
45	5/27/2017 4:40	0.01	0.08	0.01	1.2
46	5/28/2017 17:55	0.51	9.75	0.26	1.6
47	6/4/2017 7:10	0.17	5.17	0.11	6.1
48	6/9/2017 18:40	0.01	0.08	0.01	5.3
49	6/14/2017 18:15	0.12	0.83	0.12	5
50	6/16/2017 22:10	0.03	0.33	0.03	2.1
51	6/18/2017 17:00	0.4	0.92	0.4	1.8
52	6/19/2017 13:35	0.2	5.33	0.13	0.8
53	6/20/2017 21:30	0.12	2.08	0.07	1.1
54	6/23/2017 6:35	1.13	14.92	0.54	2.3
55	6/26/2017 22:15	0.01	0.08	0.01	3
56	6/29/2017 19:10	1.04	34.75	0.35	2.9
57	7/7/2017 7:55	0.05	2.17	0.04	6.1
58	7/10/2017 13:55	0.71	18.5	0.36	3.2
59	7/12/2017 8:00	0.02	3.67	0.01	1
60	7/13/2017 5:35	0.43	3.58	0.2	0.8
61	7/16/2017 20:30	0.3	0.83	0.3	3.5
62	7/22/2017 5:35	0.25	10.33	0.2	5.3
63	8/3/2017 13:10	0.72	26.92	0.22	11.9
64	8/11/2017 11:05	0.69	0.83	0.69	6.8
65	8/17/2017 16:30	0.05	1.17	0.04	6.2
66	8/19/2017 8:10	0.21	0.5	0.21	1.6
67	8/21/2017 17:00	0.05	0.08	0.05	2.4
68	8/22/2017 13:45	0.13	6.17	0.11	0.9
69	8/24/2017 4:20	0.02	0.17	0.02	1.4
70	8/25/2017 5:25	0.02	0.17	0.02	1
71	8/29/2017 7:50	0.05	1.08	0.05	4.1
72	9/2/2017 14:15	0.01	0.08	0.01	4.2
73	9/4/2017 21:55	0.3	30.67	0.1	2.3
74	9/6/2017 17:25	0.63	37.33	0.13	0.5
75	9/13/2017 22:55	0.03	3.42	0.02	5.7
76	9/20/2017 11:30	0.02	0.08	0.02	6.4

GJM Rain Gauge

Event	Start Date/Time	Total Rainfall Depth (inches)	Duration (hrs)	Peak 1-Hour Intensity (in/hr)	Antecedent Dry Period (days)
77	10/5/2017 0:30	0.22	3.92	0.12	14.5
78	10/6/2017 6:10	0.17	6.33	0.08	1.1
79	10/8/2017 20:20	1.99	14.58	1.08	2.3
80	10/11/2017 5:00	0.5	9.58	0.38	1.8
81	10/15/2017 15:15	0.04	2.5	0.03	4
82	10/20/2017 13:55	0.11	0.08	0.11	4.8
83	10/23/2017 15:20	0.17	22.83	0.04	3.1
84	10/26/2017 6:55	0.09	1	0.09	1.7
85	10/27/2017 18:50	0.39	16.83	0.09	1.5
86	10/29/2017 6:50	0.17	5.17	0.05	0.8
87	10/30/2017 13:30	0.09	4.08	0.03	1.1
88	11/1/2017 20:10	0.77	8.17	0.32	2.1
89	11/3/2017 1:40	0.54	5.08	0.39	0.9
90	11/5/2017 4:05	1.73	27.58	0.93	1.9
91	11/7/2017 9:35	0.02	0.08	0.02	1.1
92	11/8/2017 12:10	0.02	0.08	0.02	1.1
93	11/15/2017 15:20	0.14	14.58	0.08	7.1
94	11/18/2017 1:40	2.39	41	0.34	1.8
95	11/21/2017 21:10	0.17	4.25	0.06	2.1
96	11/30/2017 12:00	0.11	2.25	0.06	8.4
97	12/4/2017 21:45	0.16	9.58	0.06	4.3
98	12/9/2017 20:00	0.01	9.75	0.01	4.5
99	12/12/2017 1:00	0.1	8.92	0.05	1.8
100	12/13/2017 7:50	0.16	20.42	0.06	0.9
101	12/15/2017 13:35	0.01	1.75	0	1.4
102	12/16/2017 4:05	0.08	8.33	0.05	0.5
103	12/22/2017 4:50	0.56	33.58	0.1	5.7
104	12/24/2017 12:55	0.1	13	0.06	0.9
105	12/30/2017 19:55	0.02	11.75	0.02	5.8

Appendix B: Thiessen Polygon Tool in ArcGIS to Spatially Distribute Rain Gauge Data

Thiessen Polygon Tool in ArcGIS to Spatially Distribute Rain Gauge Data

Thiessen polygon was constructed based on the temporary gauges, following the approach described below.

1. **Create rain gauge boundaries in ArcGIS via Thiessen Polygon tool**.
   A) ArcToolbox → Analysis Tools → Proximity → **Create Thiessen Polygons**
      i. Input Features: Rain Gauge point shapefile
      ii. **OK** to generate Thiessen Polygons. The default processing extent is the same extent as the rain gauge point features with a 10% buffer (see **Figure B1**). The extent can be changed in the Environment settings.

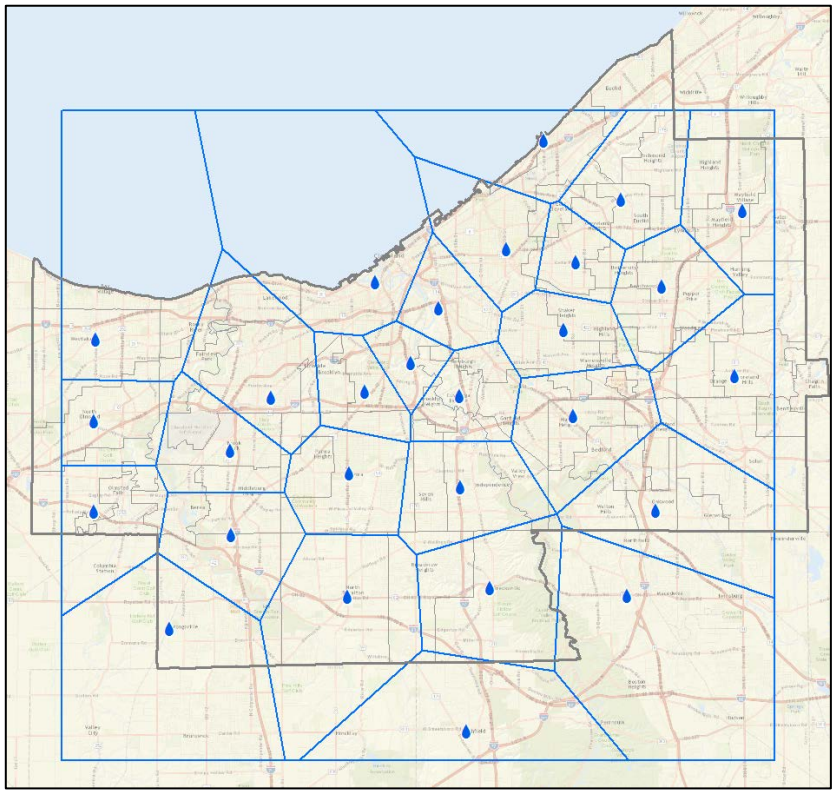


Figure B1. Rain Gauge Boundaries generated using the Thiessen Polygon tool in ArcGIS

   B) Add Field "PROFILE" to the rain gauge boundary shapefile of Type: SHORT.
   C) Assign each rain gauge boundary with a unique ID# under the PROFILE field. This will be used by InfoWorks ICM to assign rainfall profiles to subcatchments.

2. **Add the rain gauge boundaries to the InfoWorks ICM model.2.**
   A) Import rain gauge boundary shapefile as a GIS layer.
   B) GeoPlan → Rain gauge data → **Import from map data…**
      i. Select rain gauge boundary layer, then Import.

C) Verify that all the model subcatchments lie completely within the rain gauge boundaries. If they do not, the boundaries need to be manually adjusted in GIS, as shown in **Figure B2**, and re-imported into ICM.

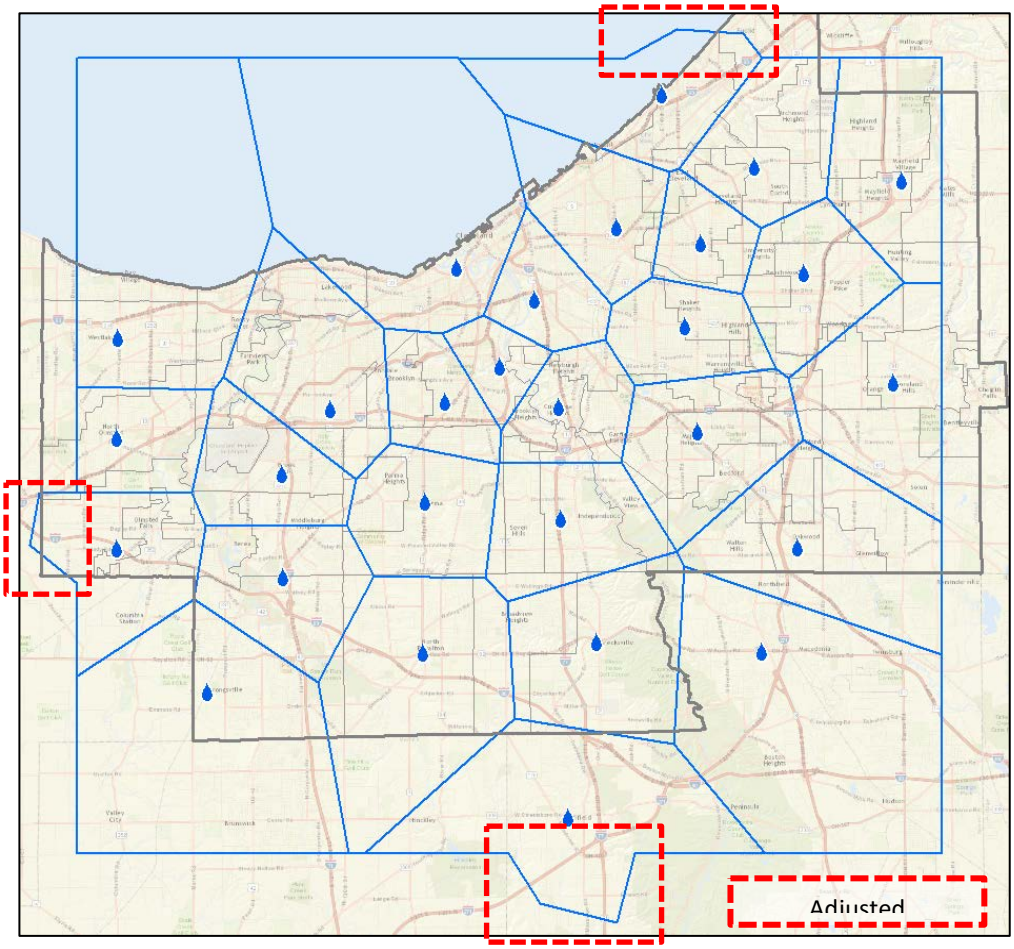


Figure B2. Rain Gauge Boundaries Manually Adjusted in ArcGIS to overlap model subcatchments.

3. **Format Raw Data for use in ICM**

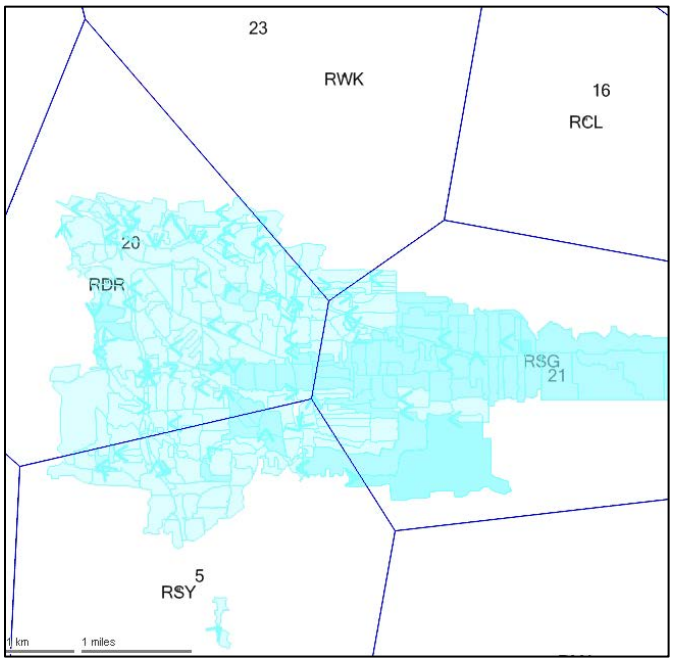
A) Fill BLANK data gaps in raw data with values of zero.
B) Convert each time step in raw data into intensity/hour. If raw data is recorded every 5-minutes, multiply each time step by 12.

4. **Add rain gauge rainfall data to ICM.**

A) Add new rainfall event in ICM and open Rainfall Event editor.
B) Append profiles for each rain gauge boundary and rename profile titles to match rain gauge boundary profiles. There should only be one rainfall event file for all models being simulated.
   i. Right-click cell → Profile Properties → Change Profile Title
C) Edit start date/time to match rainfall data
   i. Right-click cell → Sub-Event Properties
      1. Start Date: **MM/DD/YYYY**
      2. Start Time: **hh:mm:ss**
      3. Timestep: **5m** (for 5-minutes – change according to rainfall timesteps)
D) Add rainfall to each profile via copy and paste from Excel rainfall data.
   i. Select "Add timesteps to this sub-event, so all data can be pasted" → OK

E) Save and exit Rainfall Event editor window.

5. **Apply rain gauge boundaries to rainfall event.** This will override the profile number entered in the Subcatchment's *Rainfall Profile* field.
   A) GeoPlan → Rain gauge data → **Save to rainfall event**…
   B) Select rainfall event with rain gauge profiles. Make sure rainfall profile names are consistent with rain gauge boundary IDs as seen in the table heading on the right and the GeoPlan map on the left (**Figure B3**).



Time	20 (in/hr)	5 (in/hr)	21 (in/hr)	23 (in/hr)
SUB-EVENT 1				
08-01-2014 at 00:00	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:05	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:10	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:15	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:20	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:25	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:30	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:35	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:40	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:45	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:50	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 00:55	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:00	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:05	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:10	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:15	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:20	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:25	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:30	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:35	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:40	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:45	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:50	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 01:55	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 02:00	0.000000	0.000000	0.000000	0.000000
08-01-2014 at 02:05	0.000000	0.000000	0.000000	0.000000

Figure B3. Confirm Rainfall Profile Names are Consistent with Rain Gauge Boundary Profile IDs

6. For subcatchments that lie within two or more rain gauge boundaries, the user can dictate whether the boundaries are assigned (A) based on the subcatchment's centroid location or (B) using an area-averaged rainfall.

   A) In the Subcatchment Grid or Properties window, **un-check** the "**Use area-averaged rain**" option to toggle **off**. The rain gauge boundary that contains the centroid of the subcatchment will be used to provide rainfall data for the entire subcatchment. **This is the default and the recommended option.**

Use area-averaged rain
☐
☐

      i. The centroid is often defined by the x and y coordinates of the subcatchment.
      ii. If the subcatchment has no coordinates, ICM will use the coordinates of the drainage node.
      iii. If the drainage node has no coordinates, ICM will assume coordinates of 0, 0.
      iv. Simulations will fail if subcatchment centroids fall outside of the defined rain gauge boundary.

   B) In the Subcatchment Grid or Properties window, **check** the "**Use area-averaged rain**" option to toggle **on**. This will use data from all rain gauge boundaries that the subcatchment overlaps.

Use area-averaged rain
☒
☒

      i. Simulations will fail if the subcatchment falls wholly or partly outside any rain gauge boundary.
      ii. If the subcatchment does not have a boundary, the option is ignored.

iii. The following variables are not area-averaged. Instead, the values are from the rainfall boundary that covers the greatest area of subcatchment.
- Antecedent rainfall
- Local evaporation
- Evaporation from multiple evaporation profiles
- Temperature from multiple temperature profiles
- Runoff initial conditions

7. **Run Simulation**
   A) Open the Schedule Hydraulic Run View.
   B) Add simulation components (e.g. model network, rainfall event, wastewater, etc.).
   C) The rainfall event with linked rain gauge boundaries will automatically override rainfall profiles defined in the subcatchment properties.

8. **QA/QC Hydrology**
   A) Verify for a few subcatchments that the rainfall volume is consistent with the corresponding rain gauge's observed rainfall volume.

Appendix C: 2017 Qualitative Habitat Evaluation Index Sheets

Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 70

Stream & Location: Cuyahoga River (Upstream of Mill creek) **RM:** 11.95 **Date:** 07/19/17

Scorers Full Name & Affiliation: S. Hethum / K. Amidon, Northeast Ohio Regional Sewer District

River Code: [redacted] **STORET #:** _____ **Lat./ Long.:** (NAD 83 - decimal °) 41.4123 / 81.6369 **Office verified location** ☐

1] SUBSTRATE
Check *ONLY* Two substrate *TYPE BOXES*; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]			☐ ☐ HARDPAN [4]		
☐ ☐ BOULDER [9]	✓	✓	☐ ☐ DETRITUS [3]		
☐ ☐ COBBLE [8]	✓	✓	☐ ☐ MUCK [2]		
■ ☐ GRAVEL [7]	✓	✓	☐ ☐ SILT [2]	✓	✓
☐ ■ SAND [6]	✓	✓	☐ ☐ ARTIFICIAL [0]	✓	✓
☐ ☐ BEDROCK [5]			(Score natural substrates; ignore sludge from point-sources)		

NUMBER OF BEST TYPES: ■ 4 or more [2] ☐ 3 or less [0]

Check ONE (*Or 2 & average*)

ORIGIN
- ☐ LIMESTONE [1]
- ■ TILLS [1]
- ☐ WETLANDS [0]
- ☐ HARDPAN [0]
- ☐ SANDSTONE [0]
- ☐ RIP/RAP [0]
- ☐ LACUSTURINE [0]
- ☐ SHALE [-1]
- ☐ COAL FINES [-2]

SILT / EMBEDDEDNESS

QUALITY
- ☐ HEAVY [-2]
- ■ MODERATE [-1]
- ☐ NORMAL [0]
- ☐ FREE [1]
- ☐ EXTENSIVE [-2]
- ■ MODERATE [-1]
- ☐ NORMAL [0]
- ☐ NONE [1]

Comments

Substrate 14 *Maximum 20*

2] INSTREAM COVER
Indicate presence 0 to 3: **0**-Absent; **1**-Very small amounts or if more common of marginal quality; **2**-Moderate amounts, but not of highest quality or in small amounts of highest quality; **3**-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

0 UNDERCUT BANKS [1]	2 POOLS > 70cm [2]	0 OXBOWS, BACKWATERS [1]	
0 OVERHANGING VEGETATION [1]	1 ROOTWADS [1]	0 AQUATIC MACROPHYTES [1]	
0 SHALLOWS (IN SLOW WATER) [1]	1 BOULDERS [1]	2 LOGS OR WOODY DEBRIS [1]	
1 ROOTMATS [1]			

AMOUNT Check ONE (*Or 2 & average*)
- ☐ EXTENSIVE >75% [11]
- ■ MODERATE 25-75% [7]
- ■ SPARSE 5-<25% [3]
- ☐ NEARLY ABSENT <5% [1]

Comments

Cover 11 *Maximum 20*

3] CHANNEL MORPHOLOGY
Check ONE in each category (*Or 2 & average*)

SINUOSITY
- ☐ HIGH [4]
- ☐ MODERATE [3]
- ■ LOW [2]
- ☐ NONE [1]

DEVELOPMENT
- ☐ EXCELLENT [7]
- ☐ GOOD [5]
- ■ FAIR [3]
- ☐ POOR [1]

CHANNELIZATION
- ■ NONE [6]
- ■ RECOVERED [4]
- ☐ RECOVERING [3]
- ☐ RECENT OR NO RECOVERY [1]

STABILITY
- ☐ HIGH [3]
- ■ MODERATE [2]
- ☐ LOW [1]

Comments

Channel 12 *Maximum 20*

4] BANK EROSION AND RIPARIAN ZONE
Check ONE in each category for *EACH BANK* (*Or 2 per bank & average*)

River right looking downstream

EROSION

L	R	
☐	■	NONE / LITTLE [3]
■	☐	MODERATE [2]
☐	☐	HEAVY / SEVERE [1]

RIPARIAN WIDTH

L	R	
☐	☐	WIDE > 50m [4]
■	■	MODERATE 10-50m [3]
☐	☐	NARROW 5-10m [2]
☐	☐	VERY NARROW < 5m [1]
☐	☐	NONE [0]

FLOOD PLAIN QUALITY

L	R	
■	☐	FOREST, SWAMP [3]
☐	☐	SHRUB OR OLD FIELD [2]
■	☐	RESIDENTIAL, PARK, NEW FIELD [1]
☐	☐	FENCED PASTURE [1]
☐	☐	OPEN PASTURE, ROWCROP [0]

L	R	
☐	☐	CONSERVATION TILLAGE [1]
■	■	URBAN OR INDUSTRIAL [0]
☐	☐	MINING / CONSTRUCTION [0]

Indicate predominant land use(s) past 100m riparian.

Comments

Riparian 6.5 *Maximum 10*

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH Check ONE (*ONLY!*)
- ■ > 1m [6]
- ☐ 0.7-<1m [4]
- ☐ 0.4-<0.7m [2]
- ☐ 0.2-<0.4m [1]
- ☐ < 0.2m [0]

CHANNEL WIDTH Check ONE (*Or 2 & average*)
- ■ POOL WIDTH > RIFFLE WIDTH [2]
- ☐ POOL WIDTH = RIFFLE WIDTH [1]
- ☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY Check ALL that apply
- ☐ TORRENTIAL [-1]
- ☐ VERY FAST [1]
- ■ FAST [1]
- ■ MODERATE [1]
- ■ SLOW [1]
- ☐ INTERSTITIAL [-1]
- ☐ INTERMITTENT [-2]
- ☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments

Pool / Current 11 *Maximum 12*

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (*Or 2 & average*). ☐ NO RIFFLE [metric=0]

RIFFLE DEPTH
- ■ BEST AREAS > 10cm [2]
- ☐ BEST AREAS 5-10cm [1]
- ☐ BEST AREAS < 5cm [metric=0]

RUN DEPTH
- ■ MAXIMUM > 50cm [2]
- ☐ MAXIMUM < 50cm [1]

RIFFLE / RUN SUBSTRATE
- ■ STABLE (e.g., Cobble, Boulder) [2]
- ■ MOD. STABLE (e.g., Large Gravel) [1]
- ☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]

RIFFLE / RUN EMBEDDEDNESS
- ☐ NONE [2]
- ☐ LOW [1]
- ■ MODERATE [0]
- ☐ EXTENSIVE [-1]

Comments

Riffle / Run 5.5 *Maximum 8*

6] GRADIENT (6.93 ft/mi)
DRAINAGE AREA (709.00 mi²)
- ☐ VERY LOW - LOW [2-4]
- ☐ MODERATE [6-10]
- ■ HIGH - VERY HIGH [10-6]

%POOL: _____ %GLIDE: _____
%RUN: _____ %RIFFLE: _____

Gradient 10 *Maximum 10*

A] SAMPLED REACH

Check ALL that apply

METHOD

- [x] BOAT
- [ ] WADE
- [ ] L. LINE
- [ ] OTHER

STAGE

1st -sample pass-		2nd
☐	HIGH	☐
☐	UP	☐
☒	NORMAL	☐
☐	LOW	☐
☐	DRY	☐

DISTANCE

- [x] 0.5 Km
- [ ] 0.2 Km
- [ ] 0.15 Km
- [ ] 0.12 Km
- [ ] OTHER

_____ meters

CLARITY

1st --sample pass--		2nd
☐	< 20 cm	☐
☒	20-<40 cm	☐
☐	40-70 cm	☐
☐	> 70 cm/ CTB	☐
☐	SECCHI DEPTH	☐

CANOPY

- [ ] > 85%- OPEN
- [ ] 55%-<85%
- [ ] 30%-<55%
- [ ] 10%-<30%
- [ ] <10%- CLOSED

1st pass _____ cm

2nd pass _____ cm

C] RECREATION AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

B] AESTHETICS

- [ ] NUISANCE ALGAE
- [ ] INVASIVE MACROPHYTES
- [ ] EXCESS TURBIDITY
- [ ] DISCOLORATION
- [ ] FOAM / SCUM
- [ ] OIL SHEEN
- [ ] TRASH / LITTER
- [ ] NUISANCE ODOR
- [ ] SLUDGE DEPOSITS
- [ ] CSOs/SSOs/OUTFALLS

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

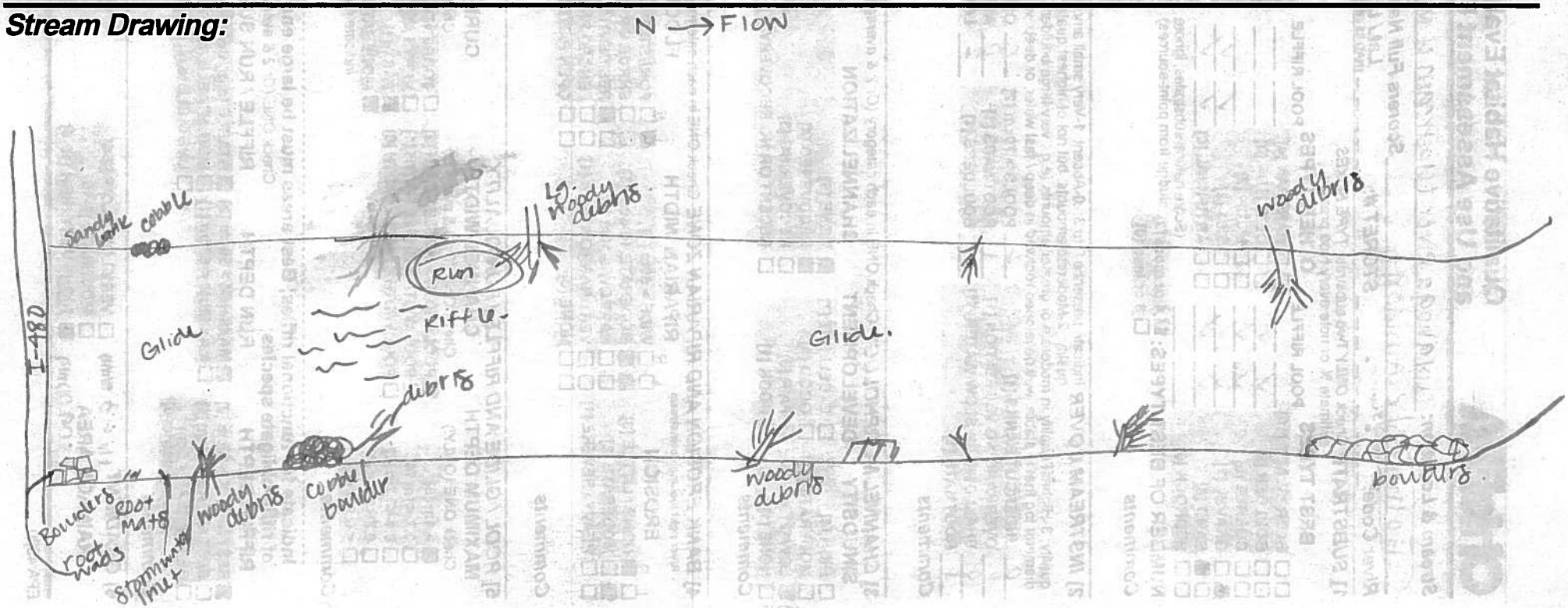
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_20 / TILE / H_20 TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Ohio EPA — Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 54.25

Stream & Location: Cuyahoga River Downstream of Big Creek **RM:** 7.00 **Date:** 07/20/17

Scorers Full Name & Affiliation: Seth Hothem, Northeast Ohio Regional Sewer District

River Code: ___-___-___ **STORET #:** _____ **Lat./Long.:** (NAD 83 - decimal °) 41.4492 / 81.6815 **Office verified location** ☐

1] SUBSTRATE
Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]			☐ ☐ HARDPAN [4]		
☐ ☐ BOULDER [9]	X		☐ ☐ DETRITUS [3]		
☐ ☐ COBBLE [8]	X		☐ ☐ MUCK [2]		
☐ ☒ GRAVEL [7]	X		☐ ☐ SILT [2]	X	
☒ ☒ SAND [6]	X		☐ ☐ ARTIFICIAL [0]	X	
☐ ☐ BEDROCK [5]					

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ☒ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN: ☐ LIMESTONE [1] ☒ TILLS [1] ☐ WETLANDS [0] ☐ HARDPAN [0] ☐ SANDSTONE [0] ☐ RIP/RAP [0] ☐ LACUSTURINE [0] ☐ SHALE [-1] ☐ COAL FINES [-2]

QUALITY: SILT — ☒ HEAVY [-2] ☐ MODERATE [-1] ☐ NORMAL [0] ☐ FREE [1]; EMBEDDEDNESS — ☒ EXTENSIVE [-2] ☐ MODERATE [-1] ☐ NORMAL [0] ☐ NONE [1]

Substrate 11 (Maximum 20)

Comments

2] INSTREAM COVER
Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

0 UNDERCUT BANKS [1]	2 POOLS > 70cm [2]	0 OXBOWS, BACKWATERS [1]
0 OVERHANGING VEGETATION [1]	0 ROOTWADS [1]	0 AQUATIC MACROPHYTES [1]
0 SHALLOWS (IN SLOW WATER) [1]	1 BOULDERS [1]	1 LOGS OR WOODY DEBRIS [1]
1 ROOTMATS [1]		

AMOUNT Check ONE (Or 2 & average)
☐ EXTENSIVE >75% [11] ☐ MODERATE 25-75% [7] ☒ SPARSE 5-<25% [3] ☐ NEARLY ABSENT <5% [1]

Cover 8 (Maximum 20)

Comments

3] CHANNEL MORPHOLOGY
Check ONE in each category (Or 2 & average)

SINUOSITY: ☐ HIGH [4] ☐ MODERATE [3] ☒ LOW [2] ☒ NONE [1]

DEVELOPMENT: ☐ EXCELLENT [7] ☐ GOOD [5] ☐ FAIR [3] ☒ POOR [1]

CHANNELIZATION: ☒ NONE [6] ☒ RECOVERED [4] ☐ RECOVERING [3] ☐ RECENT OR NO RECOVERY [1]

STABILITY: ☐ HIGH [3] ☒ MODERATE [2] ☐ LOW [1]

Channel 9.5 (Maximum 20)

Comments

4] BANK EROSION AND RIPARIAN ZONE
Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)
☒ ☒ NONE / LITTLE [3]	☐ ☒ WIDE > 50m [4]	☐ ☒ FOREST, SWAMP [3]
☐ ☐ MODERATE [2]	☐ ☐ MODERATE 10-50m [3]	☐ ☐ SHRUB OR OLD FIELD [2]
☐ ☐ HEAVY / SEVERE [1]	☒ ☐ NARROW 5-10m [2]	☐ ☐ RESIDENTIAL, PARK, NEW FIELD [1]
	☐ ☐ VERY NARROW < 5m [1]	☐ ☐ FENCED PASTURE [1]
	☐ ☐ NONE [0]	☐ ☐ OPEN PASTURE, ROWCROP [0]

☐ ☐ CONSERVATION TILLAGE [1]	
☒ ☒ URBAN OR INDUSTRIAL [0]	
☐ ☐ MINING / CONSTRUCTION [0]	

Indicate predominant land use(s) past 100m riparian.

Riparian 6.75 (Maximum 10)

Comments

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH Check ONE (ONLY!)
☒ > 1m [6] ☐ 0.7-<1m [4] ☐ 0.4-<0.7m [2] ☐ 0.2-<0.4m [1] ☐ < 0.2m [0]

CHANNEL WIDTH Check ONE (Or 2 & average)
☐ POOL WIDTH > RIFFLE WIDTH [2] ☒ POOL WIDTH = RIFFLE WIDTH [1] ☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY Check ALL that apply
☐ TORRENTIAL [-1] ☐ VERY FAST [1] ☐ FAST [1] ☒ MODERATE [1] ☒ SLOW [1] ☐ INTERSTITIAL [-1] ☐ INTERMITTENT [-2] ☐ EDDIES [1]
Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact / *Secondary Contact* (circle one and comment on back)

Pool / Current 9 (Maximum 12)

Comments

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (Or 2 & average). ☒ NO RIFFLE [metric=0]

RIFFLE DEPTH: ☐ BEST AREAS > 10cm [2] ☐ BEST AREAS 5-10cm [1] ☐ BEST AREAS < 5cm [metric=0]

RUN DEPTH: ☐ MAXIMUM > 50cm [2] ☐ MAXIMUM < 50cm [1]

RIFFLE / RUN SUBSTRATE: ☐ STABLE (e.g., Cobble, Boulder) [2] ☐ MOD. STABLE (e.g., Large Gravel) [1] ☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]

RIFFLE / RUN EMBEDDEDNESS: ☐ NONE [2] ☐ LOW [1] ☐ MODERATE [0] ☐ EXTENSIVE [-1]

Riffle / Run 0 (Maximum 8)

Comments

6] GRADIENT
(2.03 ft/mi) **DRAINAGE AREA** (786.0 mi²)

☐ VERY LOW - LOW [2-4] ☒ MODERATE [6-10] ☐ HIGH - VERY HIGH [10-6]

%POOL: ____ %GLIDE: ____ %RUN: ____ %RIFFLE: ____

Gradient 10 (Maximum 10)

A] SAMPLED REACH

Check ALL that apply

METHOD

- [x] BOAT
- [ ] WADE
- [ ] L. LINE
- [ ] OTHER

STAGE

1st -sample pass-	2nd
☐ HIGH	☐
☐ UP	☐
☒ NORMAL	☐
☐ LOW	☐
☐ DRY	☐

DISTANCE

- [x] 0.5 Km
- [ ] 0.2 Km
- [ ] 0.15 Km
- [ ] 0.12 Km
- [ ] OTHER

_____ meters

CLARITY

1st --sample pass--	2nd
☐ < 20 cm	☐
☐ 20-<40 cm	☐
☒ 40-70 cm	☐
☐ > 70 cm/ CTB	☐
☐ SECCHI DEPTH	☐

CANOPY

- [x] > 85%- OPEN
- [ ] 55%-<85%
- [ ] 30%-<55%
- [ ] 10%-<30%
- [ ] <10%- CLOSED

1st pass _____ cm

2nd _____ cm

C] RECREATION

POOL: AREA ☐ >100ft² DEPTH ☐ >3ft

B] AESTHETICS

- [ ] NUISANCE ALGAE
- [ ] INVASIVE MACROPHYTES
- [ ] EXCESS TURBIDITY
- [ ] DISCOLORATION
- [ ] FOAM / SCUM
- [ ] OIL SHEEN
- [ ] TRASH / LITTER
- [ ] NUISANCE ODOR
- [ ] SLUDGE DEPOSITS
- [ ] CSOs/SSOs/OUTFALLS

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_20 / TILE / H_20 TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

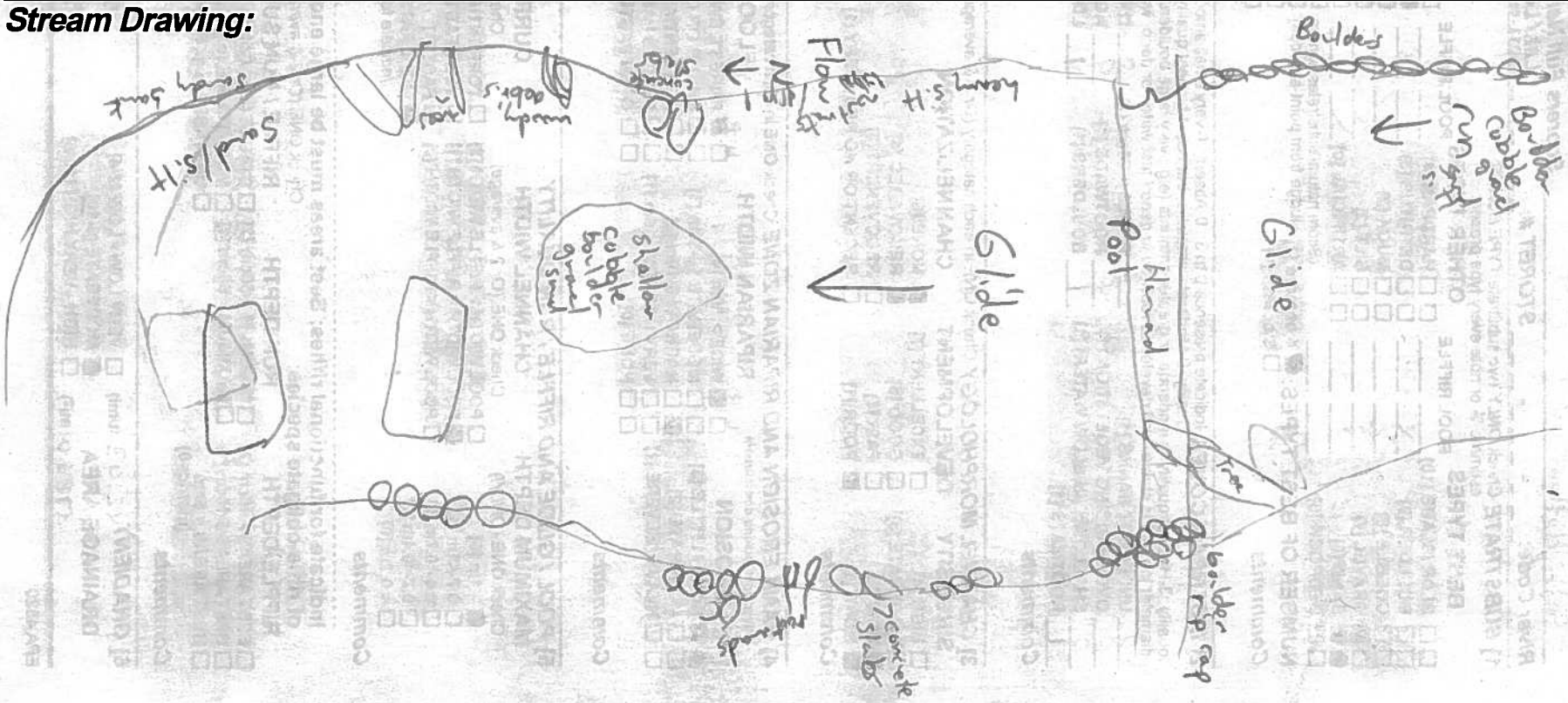
F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

Stream Drawing:



Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 79.25

Stream & Location: Euclid Creek (upstream of St. Clair Avenue) **RM:** 1.65 **Date:** 6/16/17

Matheson / Amidon **Scorers Full Name & Affiliation:** Northeast Ohio Regional Sewer District

River Code: ___-___-___ **STORET #:** _____ **Lat./Long.:** (NAD 83 - decimal °) 41.5738 / 81.5470 **Office verified location** ☐

1] SUBSTRATE

Check *ONLY* Two substrate *TYPE BOXES*; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]	✓	✓	☐ ☐ HARDPAN [4]		
☐ ■ BOULDER [9]	✓	✓	☐ ☐ DETRITUS [3]		
■ ☐ COBBLE [8]		✓	☐ ☐ MUCK [2]	✓	
☐ ☐ GRAVEL [7]	✓	✓	☐ ☐ SILT [2]	✓	✓
☐ ☐ SAND [6]	✓	✓	☐ ☐ ARTIFICIAL [0]	✓	✓
☐ ☐ BEDROCK [5]	✓				

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ■ 4 or more [2] ☐ 3 or less [0]

Check ONE (*Or 2 & average*)

ORIGIN
- ☐ LIMESTONE [1]
- ■ TILLS [1]
- ☐ WETLANDS [0]
- ☐ HARDPAN [0]
- ☐ SANDSTONE [0]
- ☐ RIP/RAP [0]
- ☐ LACUSTURINE [0]
- ☐ SHALE [-1]
- ☐ COAL FINES [-2]

SILT / EMBEDDEDNESS

QUALITY
- ☐ HEAVY [-2]
- ☐ MODERATE [-1]
- ■ NORMAL [0]
- ☐ FREE [1]
- ☐ EXTENSIVE [-2]
- ■ MODERATE [-1]
- ■ NORMAL [0]
- ☐ NONE [1]

Substrate 19.5 *Maximum 20*

Comments

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

1 UNDERCUT BANKS [1]	2 POOLS > 70cm [2]	1 OXBOWS, BACKWATERS [1]	**AMOUNT** (Check ONE (*Or 2 & average*))
1 OVERHANGING VEGETATION [1]	0 ROOTWADS [1]	0 AQUATIC MACROPHYTES [1]	☐ EXTENSIVE >75% [11]
0 SHALLOWS (IN SLOW WATER) [1]	2 BOULDERS [1]	1 LOGS OR WOODY DEBRIS [1]	■ MODERATE 25-75% [7]
1 ROOTMATS [1]			■ SPARSE 5-<25% [3]
			☐ NEARLY ABSENT <5% [1]

Comments

Cover Maximum 20: 13

3] CHANNEL MORPHOLOGY

Check ONE in each category (*Or 2 & average*)

SINUOSITY
- ☐ HIGH [4]
- ☐ MODERATE [3]
- ■ LOW [2]
- ☐ NONE [1]

DEVELOPMENT
- ☐ EXCELLENT [7]
- ■ GOOD [5]
- ■ FAIR [3]
- ☐ POOR [1]

CHANNELIZATION
- ■ NONE [6]
- ☐ RECOVERED [4]
- ☐ RECOVERING [3]
- ☐ RECENT OR NO RECOVERY [1]

STABILITY
- ■ HIGH [3]
- ☐ MODERATE [2]
- ☐ LOW [1]

Comments

Channel Maximum 20: 15

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for *EACH BANK* (*Or 2 per bank & average*)

River right looking downstream

EROSION L	EROSION R	RIPARIAN WIDTH L	RIPARIAN WIDTH R	FLOOD PLAIN QUALITY L	FLOOD PLAIN QUALITY R
■ NONE / LITTLE [3]	☐	☐ WIDE > 50m [4]	☐	☐ FOREST, SWAMP [3]	☐ CONSERVATION TILLAGE [1]
■ MODERATE [2]	■	■ MODERATE 10-50m [3]	☐	☐ SHRUB OR OLD FIELD [2]	■ URBAN OR INDUSTRIAL [0]
☐ HEAVY / SEVERE [1]	☐	■ NARROW 5-10m [2]	☐	☐ RESIDENTIAL, PARK, NEW FIELD [1]	☐ MINING / CONSTRUCTION [0]
		☐ VERY NARROW < 5m [1]	☐	☐ FENCED PASTURE [1]	
		☐ NONE [0]	☐	☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments

Riparian Maximum 10: 4.75

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH (Check ONE (*ONLY!*))
- ■ > 1m [6]
- ☐ 0.7-<1m [4]
- ☐ 0.4-<0.7m [2]
- ☐ 0.2-<0.4m [1]
- ☐ < 0.2m [0]

CHANNEL WIDTH (Check ONE (*Or 2 & average*))
- ■ POOL WIDTH > RIFFLE WIDTH [2]
- ☐ POOL WIDTH = RIFFLE WIDTH [1]
- ☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY (Check ALL that apply)
- ☐ TORRENTIAL [-1]
- ☐ VERY FAST [1]
- ■ FAST [1]
- ■ MODERATE [1]
- ■ SLOW [1]
- ☐ INTERSTITIAL [-1]
- ☐ INTERMITTENT [-2]
- ☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments

Pool / Current Maximum 12: 11

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (*Or 2 & average*). ☐ NO RIFFLE [metric=0]

RIFFLE DEPTH
- ■ BEST AREAS > 10cm [2]
- ☐ BEST AREAS 5-10cm [1]
- ☐ BEST AREAS < 5cm [metric=0]

RUN DEPTH
- ☐ MAXIMUM > 50cm [2]
- ■ MAXIMUM < 50cm [1]

RIFFLE / RUN SUBSTRATE
- ■ STABLE (e.g., Cobble, Boulder) [2]
- ☐ MOD. STABLE (e.g., Large Gravel) [1]
- ☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]

RIFFLE / RUN EMBEDDEDNESS
- ☐ NONE [2]
- ■ LOW [1]
- ☐ MODERATE [0]
- ☐ EXTENSIVE [-1]

Comments

Riffle / Run Maximum 8: 6

6] GRADIENT

(16.2 ft/mi) **DRAINAGE AREA** (21.8 mi²)

- ☐ VERY LOW - LOW [2-4]
- ■ MODERATE [6-10]
- ■ HIGH - VERY HIGH [10-6]

%POOL: ____ %GLIDE: ____

%RUN: ____ %RIFFLE: ____

Gradient Maximum 10: 10

A] SAMPLED REACH

Check ALL that apply

METHOD

- ☐ BOAT
- ☐ WADE
- ☒ L. LINE
- ☐ OTHER

STAGE

1st -sample pass-	2nd
☐ HIGH	☐
☐ UP	☐
☒ NORMAL	☐
☐ LOW	☐
☐ DRY	☐

DISTANCE

- ☐ 0.5 Km
- ☒ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass--	2nd
☐ < 20 cm	☐
☐ 20-<40 cm	☐
☐ 40-70 cm	☐
☐ > 70 cm/ CTB	☐
☐ SECCHI DEPTH	☐

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

1st pass 2nd _____ cm _____ cm

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

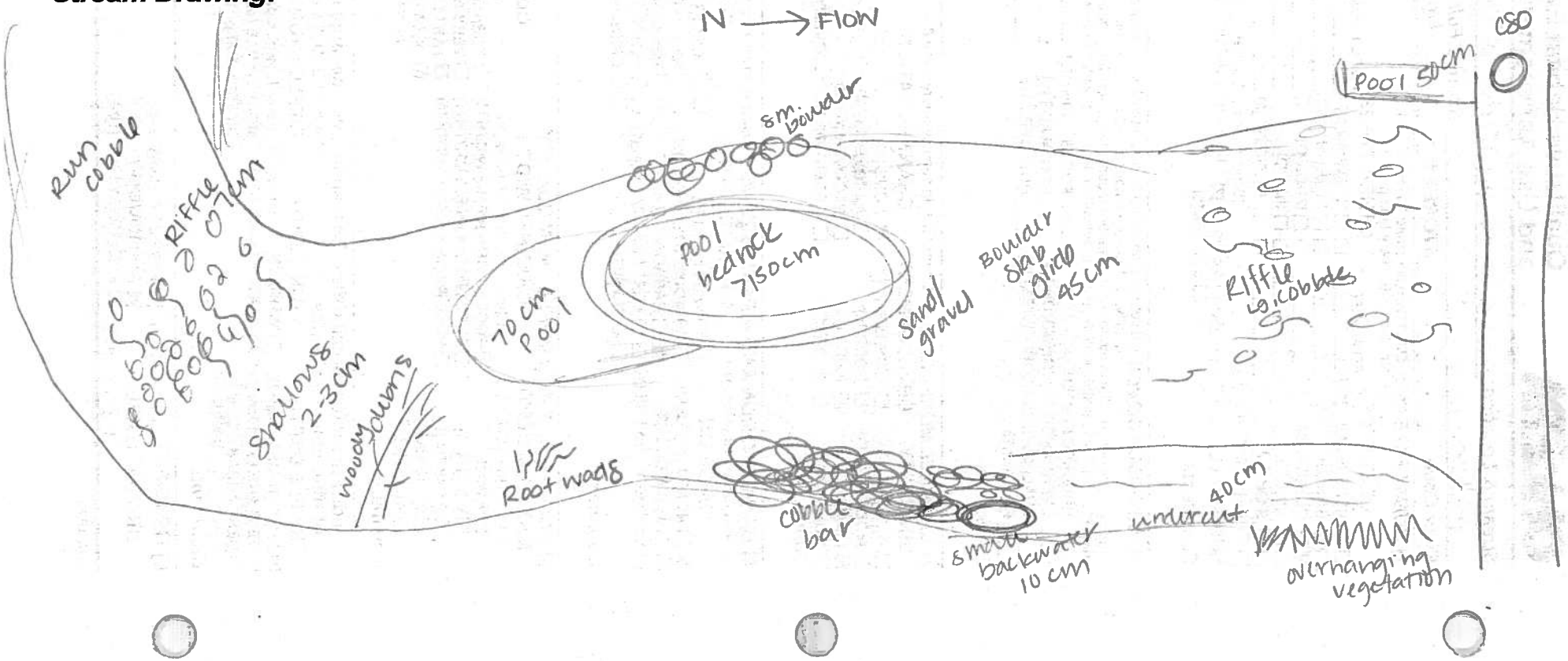
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_20 / TILE / H_20 TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Ohio EPA — Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 60.25

Stream & Location: Euclid Creek (Downstream of Lakeshore Blvd) **RM:** 0.55 **Date:** 06/16/17

Mark Matheson **Scorers Full Name & Affiliation:** Northeast Ohio Regional Sewer District

River Code: ___ - ___ - ___ **STORET #:** _____ **Lat./ Long.:** (NAD 83 - decimal °) 41.5833 / 81.5594 Office verified location ☐

1] SUBSTRATE

Check *ONLY* Two substrate *TYPE BOXES*; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]	✓		☐ ☐ HARDPAN [4]	✓	
☐ ☐ BOULDER [9]	✓		☐ ☐ DETRITUS [3]	✓	
☐ ■ COBBLE [8]	✓		☐ ☐ MUCK [2]	✓	
■ ☐ GRAVEL [7]	✓		☐ ☐ SILT [2]	✓	
☐ ☐ SAND [6]	✓		☐ ☐ ARTIFICIAL [0]		
☐ ☐ BEDROCK [5]			(Score natural substrates; ignore sludge from point-sources)		

NUMBER OF BEST TYPES: ■ 4 or more [2] ☐ 3 or less [0]

Check ONE (*Or 2 & average*)

ORIGIN		QUALITY
☐ LIMESTONE [1]		☐ HEAVY [-2]
■ TILLS [1]	SILT	■ MODERATE [-1]
☐ WETLANDS [0]		☐ NORMAL [0]
☐ HARDPAN [0]		☐ FREE [1]
☐ SANDSTONE [0]	EMBEDDEDNESS	☐ EXTENSIVE [-2]
☐ RIP/RAP [0]		■ MODERATE [-1]
☐ LACUSTURINE [0]		☐ NORMAL [0]
☐ SHALE [-1]		☐ NONE [1]
☐ COAL FINES [-2]		

Comments

Substrate 16 *Maximum 20*

2] INSTREAM COVER

Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

__ UNDERCUT BANKS [1]	2 POOLS > 70cm [2]	__ OXBOWS, BACKWATERS [1]	AMOUNT (Check ONE (*Or 2 & average*))
2 OVERHANGING VEGETATION [1]	1 ROOTWADS [1]	__ AQUATIC MACROPHYTES [1]	☐ EXTENSIVE >75% [11]
__ SHALLOWS (IN SLOW WATER) [1]	1 BOULDERS [1]	1 LOGS OR WOODY DEBRIS [1]	■ MODERATE 25-75% [7]
__ ROOTMATS [1]			☐ SPARSE 5-<25% [3]
			☐ NEARLY ABSENT <5% [1]

Comments

Cover *Maximum 20* 13

3] CHANNEL MORPHOLOGY

Check ONE in each category (*Or 2 & average*)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	■ NONE [6]	☐ HIGH [3]
☐ MODERATE [3]	☐ GOOD [5]	☐ RECOVERED [4]	■ MODERATE [2]
■ LOW [2]	☐ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
☐ NONE [1]	■ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments

Channel *Maximum 20* 11

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for *EACH BANK* (*Or 2 per bank & average*)

River right looking downstream

EROSION L	EROSION R	RIPARIAN WIDTH L	RIPARIAN WIDTH R	FLOOD PLAIN QUALITY L	FLOOD PLAIN QUALITY R
■ NONE / LITTLE [3]	■ NONE / LITTLE [3]	☐ WIDE > 50m [4]	☐ WIDE > 50m [4]	☐ FOREST, SWAMP [3]	☐ FOREST, SWAMP [3]
■ MODERATE [2]	■ MODERATE [2]	■ MODERATE 10-50m [3]	■ MODERATE 10-50m [3]	☐ SHRUB OR OLD FIELD [2]	☐ SHRUB OR OLD FIELD [2]
☐ HEAVY / SEVERE [1]	☐ HEAVY / SEVERE [1]	☐ NARROW 5-10m [2]	☐ NARROW 5-10m [2]	■ RESIDENTIAL, PARK, NEW FIELD [1]	■ RESIDENTIAL, PARK, NEW FIELD [1]
		☐ VERY NARROW < 5m [1]	☐ VERY NARROW < 5m [1]	☐ FENCED PASTURE [1]	☐ FENCED PASTURE [1]
		■ NONE [0]	■ NONE [0]	☐ OPEN PASTURE, ROWCROP [0]	☐ OPEN PASTURE, ROWCROP [0]

L	R	
☐	☐	CONSERVATION TILLAGE [1]
☐	☐	URBAN OR INDUSTRIAL [0]
☐	☐	MINING / CONSTRUCTION [0]

Indicate predominant land use(s) past 100m riparian.

Comments

Riparian *Maximum 10* 5.5

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH (Check ONE (*ONLY!*))

- ■ > 1m [6]
- ☐ 0.7-<1m [4]
- ☐ 0.4-<0.7m [2]
- ☐ 0.2-<0.4m [1]
- ☐ < 0.2m [0]

CHANNEL WIDTH (Check ONE (*Or 2 & average*))

- ■ POOL WIDTH > RIFFLE WIDTH [2]
- ☐ POOL WIDTH = RIFFLE WIDTH [1]
- ☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY (Check ALL that apply)

☐ TORRENTIAL [-1]	■ SLOW [1]
☐ VERY FAST [1]	☐ INTERSTITIAL [-1]
☐ FAST [1]	☐ INTERMITTENT [-2]
☐ MODERATE [1]	☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments

Pool / Current *Maximum 12* 9

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (*Or 2 & average*). ■ NO RIFFLE [metric=0]

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
☐ BEST AREAS > 10cm [2]	☐ MAXIMUM > 50cm [2]	☐ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☐ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	☐ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	☐ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments

Riffle / Run *Maximum 8* 0

6] GRADIENT

(5.9 ft/mi) ☐ VERY LOW - LOW [2-4] ■ MODERATE [6-10] ☐ HIGH - VERY HIGH [10-6]

DRAINAGE AREA (23.00 mi²)

%POOL: ___ %GLIDE: ___ %RUN: ___ %RIFFLE: ___

Gradient *Maximum 10* 6

A] SAMPLED REACH

Check ALL that apply

METHOD

- ☐ BOAT
- ☐ WADE
- ☒ L. LINE
- ☐ OTHER

STAGE

1st -sample pass-	2nd
☐ HIGH	☐
☒ UP	☐
☐ NORMAL	☐
☐ LOW	☐
☐ DRY	☐

DISTANCE

- ☐ 0.5 Km
- ☒ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass--	2nd
☐ < 20 cm	☐
☐ 20-<40 cm	☐
☐ 40-70 cm	☐
☐ > 70 cm/ CTB	☐
☐ SECCHI DEPTH	☐

1st _____ cm

pass

2nd _____ cm

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

Water level up compared to previous years

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

C] RECREATION

POOL: AREA ☐ >100ft² DEPTH ☐ >3ft

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

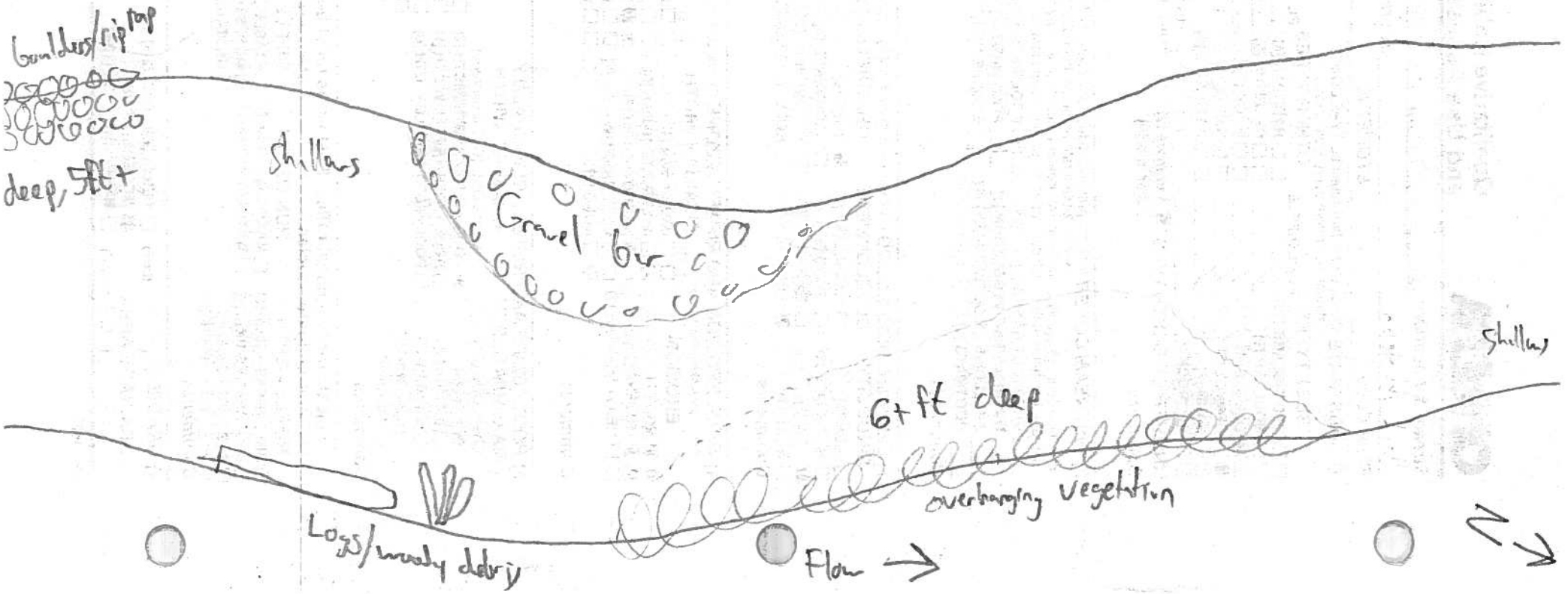
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_20 / TILE / H_20 TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 70.75

Stream & Location: Rocky River (upstream of Mastick Road) **RM:** 8.30 **Date:** 06/22/17

Scorers Full Name & Affiliation: Seth Hothem* Mario Meanu Northeast Ohio Regional Sewer District

*Primary Scorer

River Code: ___-___-___ **STORET #:** _____ **Lat./Long.:** (NAD 83 - decimal °) 41.4354 / 81.8436 **Office verified location** ☐

1] SUBSTRATE Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐ ☐ BLDR /SLABS [10]	X	X	☐ ☐ HARDPAN [4]		
☐ ■ BOULDER [9]	X	X	☐ ☐ DETRITUS [3]		
☐ ☐ COBBLE [8]	X	X	☐ ☐ MUCK [2]		
☐ ☐ GRAVEL [7]	X	X	☐ ☐ SILT [2]	X	X
☐ ☐ SAND [6]	X	X	☐ ☐ ARTIFICIAL [0]		
■ ☐ BEDROCK [5]	X	X			

(Score natural substrates; ignore sludge from point-sources)

NUMBER OF BEST TYPES: ■ 4 or more [2] ☐ 3 or less [0]

Check ONE (Or 2 & average)

ORIGIN		QUALITY
☐ LIMESTONE [1]	SILT	☐ HEAVY [-2]
■ TILLS [1]		■ MODERATE [-1]
☐ WETLANDS [0]		☐ NORMAL [0]
☐ HARDPAN [0]		☐ FREE [1]
☐ SANDSTONE [0]	EMBEDDEDNESS	☐ EXTENSIVE [-2]
☐ RIP/RAP [0]		☐ MODERATE [-1]
☐ LACUSTURINE [0]		■ NORMAL [0]
■ SHALE [-1]		☐ NONE [1]
☐ COAL FINES [-2]		

Substrate 15 Maximum 20

Comments

Cobble almost as much as boulder

2] INSTREAM COVER Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

0 UNDERCUT BANKS [1]	1 POOLS > 70cm [2]	1 OXBOWS, BACKWATERS [1]	AMOUNT (Check ONE (Or 2 & average))
0 OVERHANGING VEGETATION [1]	0 ROOTWADS [1]	0 AQUATIC MACROPHYTES [1]	☐ EXTENSIVE >75% [11]
1 SHALLOWS (IN SLOW WATER) [1]	2 BOULDERS [1]	1 LOGS OR WOODY DEBRIS [1]	☐ MODERATE 25-75% [7]
0 ROOTMATS [1]			■ SPARSE 5-<25% [3]
			☐ NEARLY ABSENT <5% [1]

Comments

Cover Maximum 20: 9

3] CHANNEL MORPHOLOGY Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	■ NONE [6]	■ HIGH [3]
■ MODERATE [3]	■ GOOD [5]	☐ RECOVERED [4]	■ MODERATE [2]
■ LOW [2]	☐ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
☐ NONE [1]	☐ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments

Channel Maximum 20: 16

4] BANK EROSION AND RIPARIAN ZONE Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION (L R)	RIPARIAN WIDTH (L R)	FLOOD PLAIN QUALITY (L R)	
■ ■ NONE / LITTLE [3]	☐ ☐ WIDE > 50m [4]	☐ ■ FOREST, SWAMP [3]	☐ ☐ CONSERVATION TILLAGE [1]
☐ ■ MODERATE [2]	☐ ■ MODERATE 10-50m [3]	☐ ☐ SHRUB OR OLD FIELD [2]	☐ ☐ URBAN OR INDUSTRIAL [0]
☐ ☐ HEAVY / SEVERE [1]	■ ☐ NARROW 5-10m [2]	■ ■ RESIDENTIAL, PARK, NEW FIELD [1]	☐ ☐ MINING / CONSTRUCTION [0]
	☐ ☐ VERY NARROW < 5m [1]	☐ ☐ FENCED PASTURE [1]	
	☐ ☐ NONE [0]	☐ ☐ OPEN PASTURE, ROWCROP [0]	

Indicate predominant land use(s) past 100m riparian.

Comments

Riparian Maximum 10: 6.75

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH	CHANNEL WIDTH	CURRENT VELOCITY
Check ONE (ONLY!)	Check ONE (Or 2 & average)	Check ALL that apply
☐ > 1m [6]	☐ POOL WIDTH > RIFFLE WIDTH [2]	☐ TORRENTIAL [-1] ■ SLOW [1]
■ 0.7-<1m [4]	☐ POOL WIDTH = RIFFLE WIDTH [1]	☐ VERY FAST [1] ☐ INTERSTITIAL [-1]
☐ 0.4-<0.7m [2]	■ POOL WIDTH < RIFFLE WIDTH [0]	■ FAST [1] ☐ INTERMITTENT [-2]
☐ 0.2-<0.4m [1]		☑ MODERATE [1] ■ EDDIES [1]
☐ < 0.2m [0]		*Indicate for reach - pools and riffles.*

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments

Pool / Current Maximum 12: 8

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (Or 2 & average). ☐ NO RIFFLE [metric=0]

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
■ BEST AREAS > 10cm [2]	☐ MAXIMUM > 50cm [2]	■ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	■ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	■ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	☐ MODERATE [0]
			☐ EXTENSIVE [-1]

Comments

Riffle / Run Maximum 8: 6

6] GRADIENT (6.21 ft/mi)

DRAINAGE AREA (282.10 mi²)

☐ VERY LOW - LOW [2-4] ☐ MODERATE [6-10] ■ HIGH - VERY HIGH [10-6]

%POOL: %GLIDE: %RUN: %RIFFLE:

Gradient Maximum 10: 10

A] SAMPLED REACH

Check ALL that apply

METHOD

- ☐ BOAT
- ☒ WADE
- ☐ L. LINE
- ☐ OTHER

STAGE

1st -sample pass-	2nd
☐ HIGH	☐
☐ UP	☐
☒ NORMAL	☐
☐ LOW	☐
☐ DRY	☐

DISTANCE

- ☐ 0.5 Km
- ☒ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

CLARITY

1st --sample pass--	2nd
☐ < 20 cm	☐
☐ 20-<40 cm	☐
☐ 40-70 cm	☐
☐ > 70 cm/ CTB	☐
☐ SECCHI DEPTH	☐

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

1st pass _____ cm

2nd _____ cm

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

B] AESTHETICS

- ☒ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

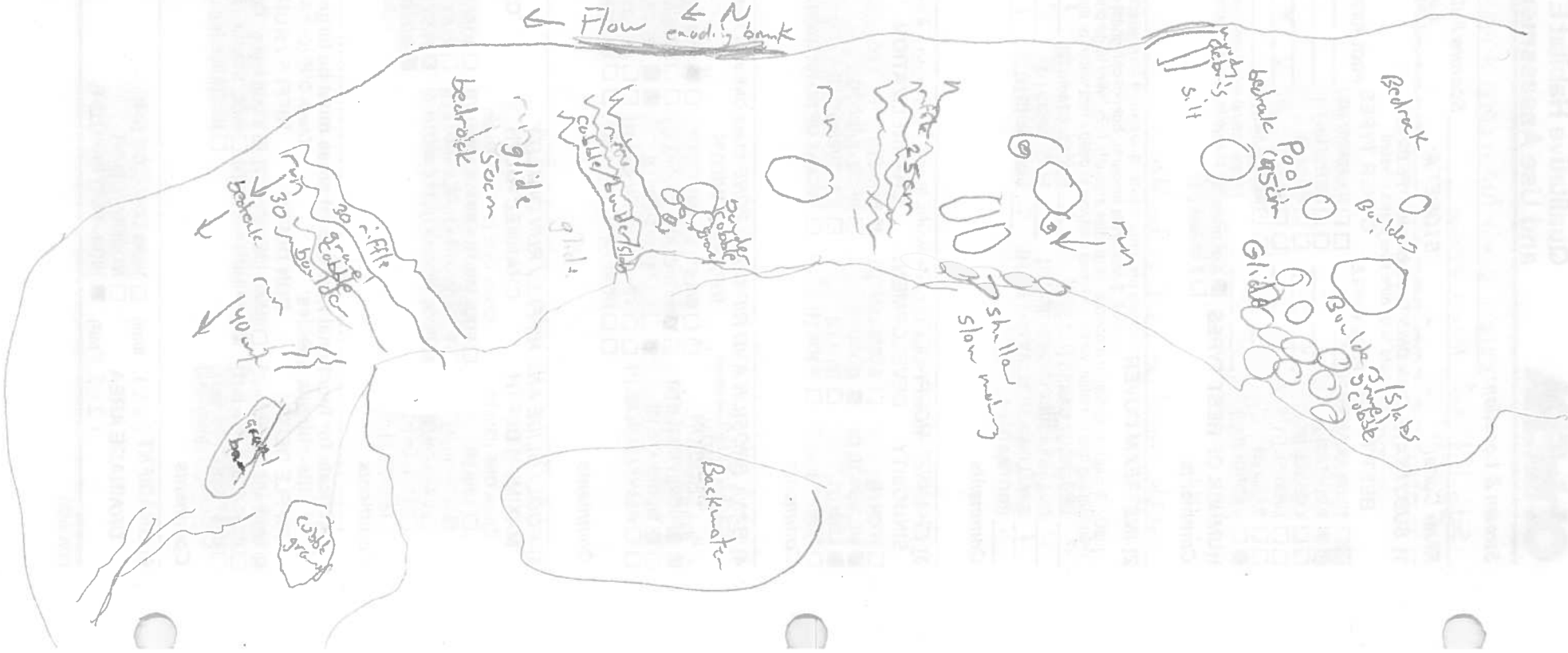
WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
CONTAMINATED / LANDFILL
BMPs-CONSTRUCTION-SEDIMENT
LOGGING / IRRIGATION / COOLING
BANK / EROSION / SURFACE
FALSE BANK / MANURE / LAGOON
WASH H_20 / TILE / H_20 TABLE
ACID / MINE / QUARRY / FLOW
NATURAL / WETLAND / STAGNANT
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 78

Stream & Location: Rocky River Upstream of Hilliard Road **RM:** 2.50 **Date:** 06/22/17

Scorers Full Name & Affiliation: D. Friedman M. Meany Northeast Ohio Regional Sewer District

River Code: ___-___-___ **STORET #:** _____ **Lat./Long.:** (NAD 83 - decimal °) 41.4698 / 81.8233 Office verified location ☐

1] SUBSTRATE

Check *ONLY* Two substrate *TYPE BOXES*; estimate % or note every type present

BEST TYPES	POOL	RIFFLE	OTHER TYPES	POOL	RIFFLE
☐☐ BLDR /SLABS [10]	X		☐☐ HARDPAN [4]		
☒☐ BOULDER [9]	X	X	☐☐ DETRITUS [3]		
☐☒ COBBLE [8]	X	X	☐☐ MUCK [2]		
☐☐ GRAVEL [7]	X	X	☐☐ SILT [2]	X	X
☐☐ SAND [6]	X		☐☐ ARTIFICIAL [0]		
☐☐ BEDROCK [5]	X		(Score natural substrates; ignore sludge from point-sources)		

NUMBER OF BEST TYPES: ☒ 4 or more [2] ☐ 3 or less [0]

Check ONE (*Or 2 & average*)

ORIGIN		QUALITY	
☐ LIMESTONE [1]	SILT	☐ HEAVY [-2]	
☒ TILLS [1]		☒ MODERATE [-1]	
☐ WETLANDS [0]		☒ NORMAL [0]	
☐ HARDPAN [0]		☐ FREE [1]	
☐ SANDSTONE [0]	EMBEDDEDNESS	☐ EXTENSIVE [-2]	
☐ RIP/RAP [0]		☒ MODERATE [-1]	
☐ LACUSTURINE [0]		☐ NORMAL [0]	
☒ SHALE [-1]		☐ NONE [1]	
☐ COAL FINES [-2]			

Comments 9+8+2+1-0.5-1 = 17.5

Substrate 17.5 *Maximum 20*

2] INSTREAM COVER

Indicate presence 0 to 3: **0**-Absent; **1**-Very small amounts or if more common of marginal quality; **2**-Moderate amounts, but not of highest quality or in small amounts of highest quality; **3**-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

0	UNDERCUT BANKS [1]	2	POOLS > 70cm [2]	0	OXBOWS, BACKWATERS [1]
1	OVERHANGING VEGETATION [1]	1	ROOTWADS [1]	0	AQUATIC MACROPHYTES [1]
2	SHALLOWS (IN SLOW WATER) [1]	3	BOULDERS [1]	1	LOGS OR WOODY DEBRIS [1]
0	ROOTMATS [1]				

AMOUNT Check ONE (*Or 2 & average*)

☐ EXTENSIVE >75% [11] ☒ MODERATE 25-75% [7] ☐ SPARSE 5-<25% [3] ☐ NEARLY ABSENT <5% [1]

Comments 7+7

Cover 14 *Maximum 20*

3] CHANNEL MORPHOLOGY

Check ONE in each category (*Or 2 & average*)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
☐ HIGH [4]	☐ EXCELLENT [7]	☒ NONE [6]	☒ HIGH [3]
☐ MODERATE [3]	☒ GOOD [5]	☐ RECOVERED [4]	☒ MODERATE [2]
☒ LOW [2]	☒ FAIR [3]	☐ RECOVERING [3]	☐ LOW [1]
☐ NONE [1]	☐ POOR [1]	☐ RECENT OR NO RECOVERY [1]	

Comments 2+4+6+2.5

Channel 14.5 *Maximum 20*

4] BANK EROSION AND RIPARIAN ZONE

Check ONE in each category for *EACH BANK* (*Or 2 per bank & average*)

River right looking downstream

EROSION L	EROSION R	
☒	☐	NONE / LITTLE [3]
☐	☒	MODERATE [2]
☐	☐	HEAVY / SEVERE [1]

RIPARIAN WIDTH L	RIPARIAN WIDTH R	
☐	☒	WIDE > 50m [4]
☒	☐	MODERATE 10-50m [3]
☐	☐	NARROW 5-10m [2]
☐	☐	VERY NARROW < 5m [1]
☐	☐	NONE [0]

FLOOD PLAIN QUALITY L	FLOOD PLAIN QUALITY R	
☐	☒	FOREST, SWAMP [3]
☐	☐	SHRUB OR OLD FIELD [2]
☒	☐	RESIDENTIAL, PARK, NEW FIELD [1]
☐	☐	FENCED PASTURE [1]
☐	☐	OPEN PASTURE, ROWCROP [0]

☐	☐	CONSERVATION TILLAGE [1]
☐	☐	URBAN OR INDUSTRIAL [0]
☐	☐	MINING / CONSTRUCTION [0]

Indicate predominant land use(s) past 100m riparian.

Comments 2.5+3.5+2=

Riparian 8 *Maximum 10*

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH Check ONE (*ONLY!*)

☒ > 1m [6] ☐ 0.7-<1m [4] ☐ 0.4-<0.7m [2] ☐ 0.2-<0.4m [1] ☐ < 0.2m [0]

CHANNEL WIDTH Check ONE (*Or 2 & average*)

☐ POOL WIDTH > RIFFLE WIDTH [2] ☐ POOL WIDTH = RIFFLE WIDTH [1] ☒ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY Check ALL that apply

☐ TORRENTIAL [-1]	☒ SLOW [1]
☐ VERY FAST [1]	☐ INTERSTITIAL [-1]
☒ FAST [1]	☐ INTERMITTENT [-2]
☒ MODERATE [1]	☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments 6+0+3=

Pool / Current 9 *Maximum 12*

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (*Or 2 & average*). ☐ NO RIFFLE [metric=0]

RIFFLE DEPTH	RUN DEPTH	RIFFLE / RUN SUBSTRATE	RIFFLE / RUN EMBEDDEDNESS
☒ BEST AREAS > 10cm [2]	☒ MAXIMUM > 50cm [2]	☒ STABLE (e.g., Cobble, Boulder) [2]	☐ NONE [2]
☐ BEST AREAS 5-10cm [1]	☐ MAXIMUM < 50cm [1]	☐ MOD. STABLE (e.g., Large Gravel) [1]	☒ LOW [1]
☐ BEST AREAS < 5cm [metric=0]		☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]	☐ MODERATE [0] ☐ EXTENSIVE [-1]

Comments 2+2+2+1

Riffle / Run 7 *Maximum 8*

6] GRADIENT

(3.72 ft/mi) ☐ VERY LOW - LOW [2-4] ☒ MODERATE [6-10] ☐ HIGH - VERY HIGH [10-6]

DRAINAGE AREA (292 mi²)

%POOL: 10 %GLIDE: 20 %RUN: 40 %RIFFLE: 30

Gradient 8 *Maximum 10*

78

A] SAMPLED REACH

Check ALL that apply

METHOD

- ☐ BOAT
- ☐ WADE
- ☐ L. LINE
- ☐ OTHER

DISTANCE

- ☐ 0.5 Km
- ☐ 0.2 Km
- ☐ 0.15 Km
- ☐ 0.12 Km
- ☐ OTHER

_____ meters

STAGE

1st -sample pass-	2nd
☐ HIGH	☐
☐ UP	☐
☐ NORMAL	☐
☐ LOW	☐
☐ DRY	☐

CLARITY

1st --sample pass--	2nd
☐ < 20 cm	☐
☐ 20-<40 cm	☐
☐ 40-70 cm	☐
☐ > 70 cm/ CTB	☐
☐ SECCHI DEPTH	☐

CANOPY

- ☐ > 85%- OPEN
- ☐ 55%-<85%
- ☐ 30%-<55%
- ☐ 10%-<30%
- ☐ <10%- CLOSED

1st pass _____ cm

2nd _____ cm

C] RECREATION

AREA DEPTH

POOL: ☐ >100ft² ☐ >3ft

Comment RE: Reach consistency/ Is reach typical of steam?, *Recreation/* Observed - Inferred, *Other/* Sampling observations, Concerns, Access directions, etc.

B] AESTHETICS

- ☐ NUISANCE ALGAE
- ☐ INVASIVE MACROPHYTES
- ☐ EXCESS TURBIDITY
- ☐ DISCOLORATION
- ☐ FOAM / SCUM
- ☐ OIL SHEEN
- ☐ TRASH / LITTER
- ☐ NUISANCE ODOR
- ☐ SLUDGE DEPOSITS
- ☐ CSOs/SSOs/OUTFALLS

D] MAINTENANCE

Circle some & *COMMENT*

PUBLIC / PRIVATE / BOTH / NA
ACTIVE / HISTORIC / BOTH / NA
YOUNG-SUCCESSION-OLD
SPRAY / SNAG / REMOVED
MODIFIED / DIPPED OUT / NA
LEVEED / ONE SIDED
RELOCATED / CUTOFFS
MOVING-BEDLOAD-STABLE
ARMOURED / SLUMPS
ISLANDS / SCOURED
IMPOUNDED / DESICCATED
FLOOD CONTROL / DRAINAGE

E] ISSUES

WWTP / CSO / NPDES / INDUSTRY
HARDENED / URBAN / DIRT&GRIME
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LOGGING / IRRIGATION / COOLING
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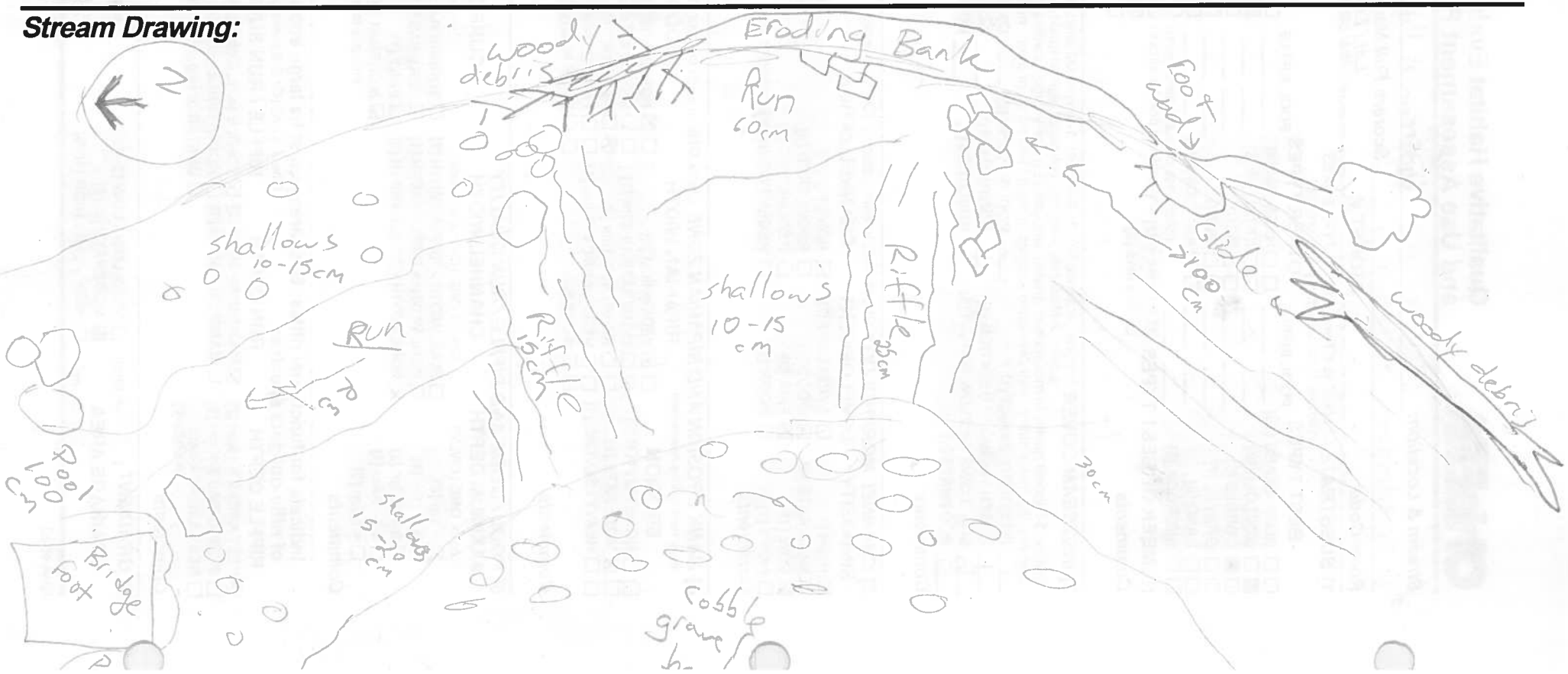
PARK / GOLF / LAWN / HOME
ATMOSPHERE / DATA PAUCITY

F] MEASUREMENTS

- $\bar{x}$ width
- $\bar{x}$ depth
- max. depth
- $\bar{x}$ bankfull width
- bankfull $\bar{x}$ depth
- W/D ratio
- bankfull max. depth
- floodprone x^2 width
- entrench. ratio

Legacy Tree:

Stream Drawing:



Appendix D: 2017 Macroinvertebrate Field Sheets and Results

Cuyahoga River Upstream of Mill Creek

River Mile: **12.10**

Drainage Area: **709.0** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
401	Spongillidae		+
1801	Turbellaria		+
3360	Plumatella sp	1	+
3600	Oligochaeta	163	+
5800	Caecidotea sp		+
6810	Gammarus fasciatus		+
8601	Hydrachnidia		+
11120	Baetis flavistriga	71	+
11130	Baetis intercalaris	1344	+
11590	Paracloeodes sp		+
13400	Stenacron sp		+
13510	Maccaffertium exiguum		+
13570	Maccaffertium terminatum	341	+
16700	Tricorythodes sp	452	+
21300	Hetaerina sp		+
22001	Coenagrionidae		+
22300	Argia sp		+
23909	Boyeria vinosa		+
26700	Macromia sp		+
50315	Chimarra obscura		+
52200	Cheumatopsyche sp	2142	+
52431	Ceratopsyche morosa	1306	+
52520	Hydropsyche bidens	4	+
52560	Hydropsyche orris	57	+
53800	Hydroptila sp	3	
59407	Nectopsyche candida	1	+
63400	Hydrovatus sp		+
63900	Laccophilus sp		+
68601	Ancyronyx variegata		+
68901	Macronychus glabratus	39	+
69400	Stenelmis sp	4	+
74100	Simulium sp	3	+
78450	Nilotanypus fimbriatus	35	
78655	Procladius (Holotanypus) sp		+
79100	Thienemannimyia group	35	+
80310	Cardiocladius obscurus	417	+
80420	Cricotopus (C.) bicinctus		+
80430	Cricotopus (C.) tremulus group	174	+
80470	Cricotopus (C.) or Orthocladius (O.) sp	35	
81231	Nanocladius (N.) crassicornus or N. (N.) "rectinervis"	35	+
81825	Rheocricotopus (Psilocricotopus) robacki	139	
82130	Thienemanniella similis	197	
82220	Tvetenia discoloripes group	69	
82730	Chironomus (C.) decorus group		+
82820	Cryptochironomus sp		+
83040	Dicrotendipes neomodestus		+

Cuyahoga River Upstream of Mill Creek

River Mile: **12.10**

Drainage Area: **709.0** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
84040	Parachironomus frequens	35	
84450	Polypedilum (Uresipedilum) flavum	278	+
84470	Polypedilum (P.) illinoense		+
84520	Polypedilum (Tripodura) halterale group	35	+
84540	Polypedilum (Tripodura) scalaenum group	69	+
85625	Rheotanytarsus sp	1528	+
85821	Tanytarsus glabrescens group sp 7	313	
85840	Tanytarsus sepp		+
87540	Hemerodromia sp		+
96900	Ferrissia sp		+
97601	Corbicula fluminea	4	+
99700	Potamilus alatus		+

Number of Organisms	9329
ICI Score	48
Number of Quantitative Taxa	31
Number of Qualitative Taxa	50
Number of Qualitative EPT Taxa	13
Total Number of Taxa	58

Cuyahoga River Downstream of Big Creek

River Mile: **7.00**

Drainage Area: **786.0** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
401	Spongillidae		+
3600	Oligochaeta	115	+
5800	Caecidotea sp		+
6700	Crangonyx sp		+
11130	Baetis intercalaris	22	+
13570	Maccaffertium terminatum	66	+
16700	Tricorythodes sp	223	+
22300	Argia sp		+
23909	Boyeria vinosa		+
51206	Cyrnellus fraternus	1	
52200	Cheumatopsyche sp	143	+
52431	Ceratopsyche morosa	17	+
52560	Hydropsyche orris	17	
53800	Hydroptila sp	48	+
68601	Ancyronyx variegata	2	
68901	Macronychus glabratus	3	+
69400	Stenelmis sp	1	
74100	Simulium sp	1	
78655	Procladius (Holotanypus) sp		+
79100	Thienemannimyia group	126	+
80350	Corynoneura sp	32	
80420	Cricotopus (C.) bicinctus		+
80430	Cricotopus (C.) tremulus group	346	+
80510	Cricotopus (Isocladius) sylvestris group		+
81200	Nanocladius sp	94	
82141	Thienemanniella xena	95	
82730	Chironomus (C.) decorus group		+
83040	Dicrotendipes neomodestus	472	+
83400	Harnischia sp		+
84155	Paralauterborniella nigrohalteralis		+
84300	Phaenopsectra obediens group		+
84450	Polypedilum (Uresipedilum) flavum	157	+
84470	Polypedilum (P.) illinoense		+
84540	Polypedilum (Tripodura) scalaenum group		+
85500	Paratanytarsus sp	346	
85625	Rheotanytarsus sp	756	
85821	Tanytarsus glabrescens group sp 7	630	+
87540	Hemerodromia sp	3	
96900	Ferrissia sp	6	

Number of Organisms	3722
ICI Score	32
Number of Quantitative Taxa	25
Number of Qualitative Taxa	27
Number of Qualitative EPT Taxa	6
Total Number of Taxa	39

Euclid Creek Upstream of St. Clair Avenue

River Mile: 1.65

Drainage Area: 21.8 miles^2

OEPA Taxa Code	Species	Number HD	Number Qual
1801	Turbellaria	69	
3600	Oligochaeta	258	+
5800	Caecidotea sp	115	+
6700	Crangonyx sp	3	+
8601	Hydrachnidia	32	
11120	Baetis flavistriga	261	+
11130	Baetis intercalaris	1	+
13521	Stenonema femoratum	1	
23600	Aeshna sp		+
50301	Chimarra aterrima	1	+
51600	Polycentropus sp	1	+
52200	Cheumatopsyche sp	31	+
52431	Ceratopsyche morosa	14	
52450	Ceratopsyche sparna		+
52530	Hydropsyche depravata group	2	+
53800	Hydroptila sp	4	+
68601	Ancyronyx variegata	1	
69400	Stenelmis sp	31	+
70600	Antocha sp	67	
71900	Tipula sp		+
77120	Ablabesmyia mallochi	29	+
78450	Nilotanypus fimbriatus	176	
79100	Thienemannimyia group	404	+
80310	Cardiocladius obscurus		+
80350	Corynoneura sp	61	
80400	Cricotopus sp	29	
80420	Cricotopus (C.) bicinctus	202	
80430	Cricotopus (C.) tremulus group	87	
80470	Cricotopus (C.) or Orthocladius (O.) sp		+
81825	Rheocricotopus (Psilocricotopus) robacki	58	
82141	Thienemanniella xena	77	+
82820	Cryptochironomus sp		+
83040	Dicrotendipes neomodestus	29	+
84210	Paratendipes albimanus or P. duplicatus	144	
84300	Phaenopsectra obediens group	58	
84315	Phaenopsectra flavipes	29	
84450	Polypedilum (Uresipedilum) flavum	29	
84460	Polypedilum (P.) fallax group	58	
84470	Polypedilum (P.) illinoense		+
84540	Polypedilum (Tripodura) scalaenum group	29	
84600	Saetheria sp		+
85500	Paratanytarsus sp	375	
85625	Rheotanytarsus sp	115	
85821	Tanytarsus glabrescens group sp 7	750	+
85840	Tanytarsus sepp	30	+
87540	Hemerodromia sp	54	+

Euclid Creek Upstream of St. Clair Avenue

River Mile:	**1.65**	
Drainage Area:	**21.8**	**miles^2**

Number of Organisms	3715
ICI Score	40
Number of Quantitative Taxa	38
Number of Qualitative Taxa	26
Number of Qualitative EPT Taxa	8
Total Number of Taxa	46

Euclid Creek Upstream of Lakeshore Boulevard

River Mile: **0.55**

Drainage Area: **23.0** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
1801	Turbellaria	41	+
3600	Oligochaeta	1618	+
4960	Erpobdella sp (= Mooreobdella)	1	
5800	Caecidotea sp	52	+
6700	Crangonyx sp	1	+
8200	Orconectes sp	1	+
22001	Coenagrionidae		+
44501	Corixidae		+
53800	Hydroptila sp	39	
60900	Peltodytes sp		+
69400	Stenelmis sp	21	
77120	Ablabesmyia mallochi	64	
78655	Procladius (Holotanypus) sp		+
79100	Thienemannimyia group	21	
80420	Cricotopus (C.) bicinctus	447	+
80430	Cricotopus (C.) tremulus group	107	
82141	Thienemanniella xena	21	
82730	Chironomus (C.) decorus group		+
82820	Cryptochironomus sp	21	+
83040	Dicrotendipes neomodestus	21	+
83840	Microtendipes pedellus group		+
84210	Paratendipes albimanus or P. duplicatus	170	
84300	Phaenopsectra obediens group	21	
84470	Polypedilum (P.) illinoense	43	+
84540	Polypedilum (Tripodura) scalaenum group		+
85500	Paratanytarsus sp	149	+
85625	Rheotanytarsus sp	21	
85800	Tanytarsus sp		+
85821	Tanytarsus glabrescens group sp 7	469	
85840	Tanytarsus sepp	64	
95100	Physella sp		+
95900	Gyraulus sp	2	
96900	Ferrissia sp	2	
98600	Sphaerium sp	1	

Number of Organisms	3418
ICI Score	16
Number of Quantitative Taxa	25
Number of Qualitative Taxa	19
Number of Qualitative EPT Taxa	
Total Number of Taxa	33***

***Tanytarsus sp. from Qual not included in number

Rocky River Upstream of Mastick Road

River Mile: **8.30**

Drainage Area: **282.0** **miles^2**

OEPA Taxa Code	Species	Number HD	Number Qual
1320	Hydra sp	8	
1801	Turbellaria	1186	+
3600	Oligochaeta	48	
4960	Erpobdella sp (= Mooreobdella)	1	+
5800	Caecidotea sp		+
6201	Hyalella azteca		+
8601	Hydrachnidia	1	+
11120	Baetis flavistriga	1	+
11130	Baetis intercalaris	492	+
13570	Maccaffertium terminatum	47	+
16700	Tricorythodes sp		+
17200	Caenis sp		+
21300	Hetaerina sp		+
22300	Argia sp		+
50315	Chimarra obscura	1353	+
52200	Cheumatopsyche sp	1989	+
52431	Ceratopsyche morosa	1364	+
52450	Ceratopsyche sparna	2	
52530	Hydropsyche depravata group	5	+
52540	Hydropsyche dicantha	947	+
53800	Hydroptila sp	130	
61100	Acilius sp		+
65800	Berosus sp		+
68601	Ancyronyx variegata	8	
68708	Dubiraphia vittata group		+
68901	Macronychus glabratus	3	
69400	Stenelmis sp	60	+
74100	Simulium sp	16	+
79100	Thienemannimyia group	112	
80470	Cricotopus (C.) or Orthocladius (O.) sp		+
81201	Nanocladius (N.) sp		+
82220	Tvetenia discoloripes group	475	
83040	Dicrotendipes neomodestus		+
83840	Microtendipes pedellus group		+
84450	Polypedilum (Uresipedilum) flavum	1509	+
84470	Polypedilum (P.) illinoense		+
84540	Polypedilum (Tripodura) scalaenum group	112	+
85500	Paratanytarsus sp	28	
85625	Rheotanytarsus sp	84	
85840	Tanytarsus sepp		+
87540	Hemerodromia sp	9	
97601	Corbicula fluminea		+
98600	Sphaerium sp		+

Number of Organisms 9990

ICI Score 36

Rocky River Upstream of Mastick Road

River Mile:	**8.30**	
Drainage Area:	**282.0**	**miles^2**
Number of Quantitative Taxa	26	
Number of Qualitative Taxa	32	
Number of Qualitative EPT Taxa	10	
Total Number of Taxa	43	

Rocky River Upstyream of Hilliard Road

River Mile: 2.50

Drainage Area: 292.0 miles^2

OEPA Taxa Code	Species	Number HD	Number Qual
1801	Turbellaria	131	+
3600	Oligochaeta		+
4960	Erpobdella sp (= Mooreobdella)		+
5800	Caecidotea sp		+
6201	Hyalella azteca		+
8601	Hydrachnidia		+
11120	Baetis flavistriga		+
11130	Baetis intercalaris	1464	+
11400	Centroptilum sp or Procloeon sp (formerly in Cloeon)		+
13400	Stenacron sp		+
13521	Stenonema femoratum		+
13570	Maccaffertium terminatum	20	+
16700	Tricorythodes sp		+
17200	Caenis sp		+
21200	Calopteryx sp		+
22001	Coenagrionidae		+
22300	Argia sp		+
43300	Ranatra sp		+
44501	Corixidae		+
45900	Notonecta sp		+
50315	Chimarra obscura	422	+
52200	Cheumatopsyche sp	1106	+
52431	Ceratopsyche morosa	3888	+
52540	Hydropsyche dicantha	177	+
53800	Hydroptila sp	65	+
65800	Berosus sp		+
68601	Ancyronyx variegata		+
68901	Macronychus glabratus	2	+
69400	Stenelmis sp	2	+
72700	Anopheles sp		+
74100	Simulium sp	134	
77120	Ablabesmyia mallochi		+
78655	Procladius (Holotanypus) sp		+
79100	Thienemannimyia group		+
82130	Thienemanniella similis	32	
82220	Tvetenia discoloripes group	745	+
82730	Chironomus (C.) decorus group		+
83040	Dicrotendipes neomodestus		+
83400	Harnischia sp		+
84450	Polypedilum (Uresipedilum) flavum	516	+
84540	Polypedilum (Tripodura) scalaenum group		+
85625	Rheotanytarsus sp	72	
85710	Stempellinella sp		+
85800	Tanytarsus sp		+
93900	Elimia sp		+
95100	Physella sp		+

Rocky River Upstyream of Hilliard Road

River Mile: 2.50

Drainage Area: 292.0 miles^2

97601	Corbicula fluminea		+
98600	Sphaerium sp		+

Number of Organisms	8776
ICI Score	36
Number of Quantitative Taxa	15
Number of Qualitative Taxa	45
Number of Qualitative EPT Taxa	13
Total Number of Taxa	48

NEORSD Macroinvertebrate Field Sheet

Stream: Cuyahoga River River Mile: 12.10 Year: 2017

Location: Upstream Mill Creek (CE-480) Project: 2017 Cuyahoga River Environmental Monitoring

Drainage Area (mi²): 709 Latitude (°N)/Longitude (°W): 41.4123, -81.6364

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 08-02-17 @ 0904 RR Crew (QDC Circled): (R. Maehle) M Aron

Current at HD (fps): _____ Depth (cm): _____ Pictures Obtained: (Yes) No

(Replicate)/Reinstall Date: 08-02-17 @ 0950 RR Crew (QDC Circled): (R. Maehle) N. Aron

Current (fps): 1.72 Depth (cm): 38 Reason: _____

w/ OEPA C. McKnight D. Perry

Sampling/Retrieval Information

Sampling Method: (Hester-Dendy) (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 09-13-17 Crew (QDC Circled): (Z. Maehle) J. Kniffen

OEPA Comment Field Codes: _____ Water Temp: n/a (°C) °F

HD Condition- *Current (fps):* 1.30 *Depth (cm):* 30 *Comments:* RR - Submitted

Number of HD Blocks Obtained: 5

Disturbed: Yes (No) *Debris:* (Yes) No leaves, rocks

Silt/Solids: (None) (Slight) Moderate Heavy *Sample ID:* 17H031

w/ OEPA C. McKnight D. Perry

Replicate: *Current (fps):* 1.06 *Depth (cm):* 15 *Comments:* ZL - Held for QDC

Number of HD Blocks Obtained: 5

Disturbed: Yes (No) *Debris:* (Yes) No leaves

Silt/Solids: (None) (Slight) Moderate Heavy *Sample ID:* 17H058

Dipnet- Time Sampled (min): 67 *X Number of Crew:* 2 = Total (min): 134

Start Time: 1108 *End Time:* 1215 *Sample ID:* 17Q032

Habitats Sampled: (Pool) (Riffle) (Run) (Margin) Backwater

River Sampling Conditions

Weather:	Clear	Partly Cloudy	(Overcast)	Light Rain	Other:	
Canopy (over HD):	(Open)	75 %	50 %	25 %	Closed	
Flow Condition:	Dry	Intermittent	Interstitial	Low	Normal	Above Normal Flood
Current Velocity:	Non-detect	(Slow)	(Moderate)	Fast		
Channel Morphology:	Natural	Channelized	(Channelized (Recovered))	Impounded		
Bank Erosion:	None	Slight	(Moderate)	Extensive		
Water Clarity:	(Clear)	Muddy	Tea	Milky	Other:	
Water Color:	(None)	Green	Brown	Grey	Other:	

Evidence of Pollution: trash

Potential Pollution Sources: _____

Comment Section: _____

Samples Analyzed By: Bert Remley QDC #: 50837 Date: 9/13/2017

Company/Entity: Third Rock Consultants, LLC

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

Cobble is up to 10 in

Coarse Gravel

Fine Gravel

Sand

	Riffle	Units	Run	Units	Pool	Units
Bedrock						
Boulder						
Cobble/Rubble						
Gravel Course	✓		✓		✓	
Gravel Fine	✓		✓		✓	
Sand	✓		✓		✓	
Silt	✓		✓		✓	
Clay/Hardpan			✓			
Detritus						
Peat						
Muck						
Other						
Macrophytes			✓			
Algae						
Artifacts	✓		✓			
Compaction (F,M,S)	M		M		S	
Depth (Avg)	0.5	ft	1.5	ft	5	ft
Width (Avg)	15	ft	60	ft	20	ft

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban	Open Pasture
Shrub	Residential/Park L	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial R	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
✓		Large Trees
	✓	Small Trees
	✓	Shrubs
		Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: (Yes) No

Development:

- ( ) Extensive
- ( ) Moderate
- (✓) Sparse
- ( ) Absent

Quality: Good Fair (Poor)

Margin Habitat

Margin Quality: (Good) Fair Poor _____ %

Types Present:

(Root Mats)	Undercut Banks	Rip Rap
(Tree Roots)	(Shallows)	Bulkhead
(Woody Debris)	(Soft Clay)	
Macrophytes/Grass	Other _____	

Biological Characteristics

Overall Collection

Est. Amt	(V=>151; A=150-101; C=100-11; R=10-1)
R / R	Porifera, Bryozoa
R R	Turbellaria, Oligochaeta, Hirudinea
R / C-	Isopoda, Amphipoda
/	Decapoda, Hydracarina
	Ephemeroptera
A-	Baetidae
C / C-	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
C- / R+	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
/	Megaloptera, Neuroptera
	Trichoptera
C	Hydropsychidae
R- / R+	Hydroptilidae, Leptoceridae
	Other _____
	Coleoptera
R	Elimidae
R	Other Misc
	Diptera
C	Chironomidae
/ C	Tipulidae, Simuliidae
	Other _____
C / C	Gastropoda, Bivalvia
	Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: 5 %
- Predominant Organism: Hydropsychidae
- Other Common Organisms: Baetidae
- Density: High (Moderate) Low
- Diversity: High Moderate (Low)

Run: 70 %
- Predominant Organism: Baetidae
- Other Common Organisms: Simuliidae, Limpets
- Density: High (Moderate) Low
- Diversity: High Moderate (Low)

Pool: 5 %
- Predominant Organism: Midges
- Other Common Organisms: _____
- Density: High Moderate (Low)
- Diversity: High Moderate (Low)

Margin:
- Predominant Organism: Baetidae
- Other Common Organisms: Seeds
- Density: High (Moderate) Low
- Diversity: High (Moderate) Low

Other Notable Collections: Ancylidae

Field Narrative Rating: E VG (G –) MG F P VP

NEORSD Macroinvertebrate Field Sheet

Stream: Cuyahoga River River Mile: 7.00 Year: 2017

Location: Downstream of the confluence of Big Creek Project: 2017 Cuyahoga River Environmental Monitoring

Drainage Area (mi²): 786 Latitude (°N)/Longitude (°W): 41.4497, -81.6815

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 8/1/2017 Crew (QDC Circled): (NA) / JT

Current at HD (fps): 0.43 Depth (cm): 58 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: _____ Crew (QDC Circled): _____

Current (fps): _____ Depth (cm): _____ Reason: _____

Sampling/Retrieval Information

Sampling Method: (Hester-Dendy) (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 9/13/17 Crew (QDC Circled): NA / DP

OEPA Comment Field Codes: _____ Water Temp: 19.8 °C / °F

HD Condition- *Current (fps):* 0.61 *Depth (cm):* 40 *Comments:* _____

Number of HD Blocks Obtained: 5

Disturbed: Yes (No) *Debris:* Yes (No)

Silt/Solids: None (Slight) Moderate Heavy *Sample ID:* 17H041

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 93 *X Number of Crew:* 2 = Total (min): 186

Start Time: 1012 *End Time:* 1145 *Sample ID:* 17Q042

Habitats Sampled: Pool Riffle Run Margin Backwater

River Sampling Conditions

Weather:	Clear	(Partly Cloudy)	Overcast	Light Rain	Other:	
Canopy (over HD):	(Open)	75 %	50 %	25 %	Closed	
Flow Condition:	Dry	Intermittent	Interstitial	Low	(Normal)	Above Normal Flood
Current Velocity:	Non-detect	(Slow)	Moderate	Fast		
Channel Morphology:	Natural	(Channelized)	Channelized (Recovered)	Impounded		
Bank Erosion:	None	(Slight)	Moderate	Extensive		
Water Clarity:	Clear	Muddy	(Tea)	Milky	Other:	
Water Color:	None	(Green)	Brown	Grey	Other:	

Evidence of Pollution: _____

Potential Pollution Sources: _____

Comment Section: Installation - Morphology of stream has changed from previous year. Riffle/gravel bar in center of reach is almost non-existant.

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 9/13/2017

Company/Entity: Third Rock Consultants, LLC

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

	Riffle	Units	Run	Units	Pool	Units
Bedrock						
Boulder	X		X			
Cobble/Rubble	X		X			
Gravel Course	X		X			
Gravel Fine	X		X			
Sand	X		X		X	
Silt	X		X		X	
Clay/Hardpan						
Detritus						
Peat						
Muck	X		X		X	
Other	X					
Macrophytes						
Algae						
Artifacts	X		X		X	
Compaction (F,M,S)	F		M		M-S	
Depth (Avg)	30	cm	40	cm	60	cm
Width (Avg)	15	ft	20	ft	10	ft

Cobble is up to 10 in

Coarse Gravel

Fine Gravel

Sand

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	(Urban) Both	Open Pasture
Shrub	Residential/Park	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
X	X	Large Trees
X	X	Small Trees
		Shrubs
		Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: (Yes) No

Development:

- [ ] Extensive
- [ ] Moderate
- [X] Sparse
- [ ] Absent

Quality: Good Fair (Poor)

Margin Habitat

Margin Quality: Good (Fair) Poor 15 %

Types Present:

(Root Mats) (Undercut Banks) (Rip Rap)
(Tree Roots) Shallows (Bulkhead)
(Woody Debris) Soft Clay
Macrophytes/Grass Other _____

Biological Characteristics

Overall Collection

Est. Amt	(V= >151; A= 150-101; C= 100-11; R= 10-1)
R	Porifera, Bryozoa
R	Turbellaria, Oligochaeta, Hirudinea
R R	Isopoda, Amphipoda
—	Decapoda, Hydracarina
—	Ephemeroptera
R	Baetidae
R	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
R R	Zygoptera, Anisoptera
—	Plecoptera
—	Hemiptera
—	Megaloptera, Neuroptera
—	Trichoptera
R	Hydropsychidae
—	Hydroptilidae, Leptoceridae
	Other _____
—	Coleoptera
R	Elimidae
	Other _____
—	Diptera
C	Chironomidae
—	Tipulidae, Simuliidae
	Other _____
—	Gastropoda, Bivalvia
—	Other _____

V= Very Abundant, A= Abundant, C= Common, R= Rare

Habitat Specific Organisms

Riffle: 30 %
Predominant Organism: Chironomidae
Other Common Organisms: Hydropsychidae / Heptageniidae
Density: High Moderate (Low)
Diversity: High Moderate (Low)

Run: 40 %
Predominant Organism: Chironomidae
Other Common Organisms: _____
Density: High Moderate (Low)
Diversity: High Moderate (Low)

Pool: 15 %
Predominant Organism: Chironomidae
Other Common Organisms: _____
Density: High Moderate (Low)
Diversity: High Moderate (Low)

Margin:
Predominant Organism: Asellidae
Other Common Organisms: Amphipoda
Density: High (Moderate) Low
Diversity: High (Moderate) Low

Other Notable Collections: _____

Field Narrative Rating: E VG G MG (F) P VP

- Lacking Habitat Greatly Influenced by Ship Channel

Last Updated: 10/21/15

NEORSD Macroinvertebrate Field Sheet

Stream: Euclid Creek River Mile: 1.65 Year: 2017

Location: Upstream of St. Clair Ave Project: 2017 Euclid Creek Environmental Monitoring

Drainage Area (mi²): 21.8 Latitude (°N)/Longitude (°W): 41.5738, -81.5470

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 10/15/17 Crew (QDC Circled): (ES) / NA / HB

Current at HD (fps): 0.97 Depth (cm): 36 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: _____ Crew (QDC Circled): _____

Current (fps): _____ Depth (cm): _____ Reason: _____

Sampling/Retrieval Information

Sampling Method: (Hester-Dendy) (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 7/28/17 Crew (QDC Circled): (ESS) / DP

OEPA Comment Field Codes: _____ Water Temp: 21.8 (°C) °F

HD Condition- *Current (fps):* 0.45 *Depth (cm):* 25 *Comments:* Blocks in good condition

Number of HD Blocks Obtained: 5

Disturbed: Yes (No) *Debris:* Yes (No)

Silt/Solids: None (Slight) Moderate Heavy *Sample ID:* 17H045

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 70 *X Number of Crew:* 2 = Total (min): 140

Start Time: _____ *End Time:* _____ *Sample ID:* 17H046

Habitats Sampled: (Pool) (Riffle) (Run) (Margin) Backwater

River Sampling Conditions

Weather: Clear Partly Cloudy Overcast Light Rain Other: _____

Canopy (over HD): Open (75 %) 50 % 25 % Closed

Flow Condition: Dry Intermittent Interstitial Low (Normal) Above Normal Flood

Current Velocity: Non-detect Slow (Moderate) Fast

Channel Morphology: (Natural) Channelized Channelized (Recovered) Impounded

Bank Erosion: (None) Slight Moderate Extensive

Water Clarity: (Clear) Muddy Tea Milky Other: _____

Water Color: (None) Green Brown Grey Other: _____

Evidence of Pollution: _____

Potential Pollution Sources: _____

Comment Section: _____

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 8/21/17

Company/Entity: Third Rock Consultants, LLC

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

	Riffle	Run	Pool
Bedrock			X
Boulder	X	X	
Cobble/Rubble	X	X	X
Gravel Course	X		
Gravel Fine	X	X	X
Sand	X	X	X
Silt			X
Clay/Hardpan			
Detritus			
Peat			
Muck			
Other			
Macrophytes			
Algae		X	
Artifacts	X	X	
Compaction (F,M,S)			S
Depth (Avg)	6 in	3 ft	3 ft
Width (Avg)	10 ft	15 ft	6 ft

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

(Forest) RR	Urban	Open Pasture
Shrub	(Residential/Park) RL	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
X	X	Large Trees
		Small Trees
		Shrubs
		Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: Yes No

Development:

	Extensive
✓	Moderate
	Sparse
	Absent

Quality: (Good) Fair Poor

Margin Habitat

Margin Quality: Good Fair (Poor) _____ %

Types Present:

(Root Mats) (Undercut Banks) Rip Rap

Tree Roots Shallows Bulkhead

Woody Debris Soft Clay

Macrophytes/Grass Other _____

Biological Characteristics

Overall Collection

Est. Amt	(V=>151, A=150-101, C=100-11, R=10-1)
	Porifera, Bryozoa
C R	Turbellaria, Oligochaeta, Hirudinea
C C	Isopoda, Amphipoda
	Decapoda, Hydracarina
	Ephemeroptera
A	Baetidae
	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
R+	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
C	Hydropsychidae
	Hydroptilidae, Leptoceridae
A	Other Philopotamidae
	Coleoptera
R	Elimidae
	Other _____
	Diptera
C	Chironomidae
R C	Tipulidae, Simuliidae
	Other _____
	Gastropoda, Bivalvia
	Other _____

V= Very Abundant, A= Abundant, C= Common, R= Rare

Habitat Specific Organisms

Riffle: 45 %

Predominant Organism: Philopotamidae

Other Common Organisms: Baetidae

Density: High (Moderate) Low

Diversity: High (Moderate) Low

Run: 50 %

Predominant Organism: Midge

Other Common Organisms: _____

Density: High (Moderate) Low

Diversity: High Moderate (Low)

Pool: 5 %

Predominant Organism: Midge

Other Common Organisms: _____

Density: High Moderate (Low)

Diversity: High Moderate (Low)

Margin:

Predominant Organism: Amphipoda

Other Common Organisms: Isopoda

Density: High (Moderate) Low

Diversity: High Moderate (Low)

Other Notable Collections: _____

Field Narrative Rating: E VG (G) MG F P VP

Last Modified 10/21/15

NEORSD Macroinvertebrate Field Sheet

Stream: Euclid Creek River Mile: 0.55 Year: 2017

Location: Downstream of lakeshore Blvd Project: 2017 Euclid Creek Environmental Monitoring

Drainage Area (mi²): 23 Latitude (°N)/Longitude (°W): 41.5833, -81.5594

Site Type: WWH EWH Coldwater Lacustuary Other: _____ *Eco-Region:* _____

Hester-Dendy Deployment Information

Install Date: 6/15/17 Crew (QDC Circled): (ES) / NA / HB

Current at HD (fps): 0.67 Depth (cm): 18 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: _____ Crew (QDC Circled): _____

Current (fps): _____ Depth (cm): _____ Reason: _____

Sampling/Retrieval Information

Sampling Method: (Hester-Dendy) (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 7/28/17 Crew (QDC Circled): (ESS) / DP

OEPA Comment Field Codes: _____ Water Temp: 22.3 (°C) °F

HD Condition- *Current (fps):* 0.24 *Depth (cm):* 17 *Comments:* _____

Number of HD Blocks Obtained: 5

Disturbed: Yes (No) *Debris:* Yes (No)

Silt/Solids: None Slight (Moderate) Heavy *Sample ID:* 17H043

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 45 *X Number of Crew:* 2 = Total (min): 90

Start Time: _____ *End Time:* _____ *Sample ID:* 17D044

Habitats Sampled: (Pool) Riffle (Run) (Margin) Backwater

River Sampling Conditions

Weather:	Clear	Partly Cloudy	Overcast	Light Rain	Other: _____
Canopy (over HD):	(Open)	75 %	50 %	25 %	Closed
Flow Condition:	Dry	Intermittent	Interstitial	Low (Normal)	Above Normal Flood
Current Velocity:	Non-detect	(Slow)	Moderate	Fast	
Channel Morphology:	(Natural)	Channelized	Channelized (Recovered)	Impounded	
Bank Erosion:	None	Slight	(Moderate)	Extensive	
Water Clarity:	(Clear)	Muddy	Tea	Milky	Other: _____
Water Color:	(None)	Green	Brown	Grey	Other: _____

Evidence of Pollution: _____

Potential Pollution Sources: _____

Comment Section: current flowing upstream at collection

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 8/18/17

Company/Entity: Third Rock Consultants, LLC

NEORSD Macroinvertebrate Field Sheet

NO riffle

Physical Characteristics

Substrate Characteristics

	Riffle	Run	Pool
Bedrock			
Boulder			
Cobble/Rubble			
Gravel Course		X	
Gravel Fine			
Sand		X	X
Silt		X	X
Clay/Hardpan			
Detritus		X	
Peat			
Muck			
Other			
Macrophytes			
Algae		X	
Artifacts			
Compaction (F,M,S)		S	S
Depth (Avg)		2 ft	16 ft
Width (Avg)		30 ft	15 ft

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban	Open Pasture
Shrub	(Residential/Park) Both	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
		Large Trees
		Small Trees
	X	Shrubs
X		Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: Yes No

Development:

	Extensive
	Moderate
	Sparse
✓	Absent

Quality: Good Fair Poor

Margin Habitat

Margin Quality: Good Fair (Poor) _____%

Types Present:

(Root Mats)	Undercut Banks	Rip Rap
Tree Roots	Shallows	Bulkhead
Woody Debris	Soft Clay	
Macrophytes/Grass	Other _____	

Biological Characteristics

Overall Collection

Est. Amt	(V=>151, A= 150-101, C= 100-11, R= 10-1)
	Porifera, Bryozoa
R+C	Turbellaria, Oligochaeta, Hirudinea
C C	Isopoda, Amphipoda
R-	Decapoda, Hydracarina
	Ephemeroptera
	Baetidae
	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
R	Zygoptera, Anisoptera
	Plecoptera
	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
	Hydropsychidae
	Hydroptilidae, Leptoceridae
	Other _____
	Coleoptera
	Elimidae
	Other _____
	Diptera
C	Chironomidae
C	Tipulidae, Simuliidae
	Other _____
R	Gastropoda, Bivalvia
	Other _____

V= Very Abundant, A= Abundant, C= Common, R= Rare

Habitat Specific Organisms

Riffle: 0 %

Predominant Organism: N/A

Other Common Organisms: _____

Density: High Moderate Low

Diversity: High Moderate Low

Run: 80 %

Predominant Organism: Horsehair worm

Other Common Organisms: Midge

Density: High Moderate (Low)

Diversity: High Moderate (Low)

Pool: 20 %

Predominant Organism: None found

Other Common Organisms: _____

Density: High Moderate (Low)

Diversity: High Moderate (Low)

Margin:

Predominant Organism: Isopod

Other Common Organisms: Scud / Sideswimmer

Density: High (Moderate) Low

Diversity: High Moderate (Low)

Other Notable Collections: _____

Field Narrative Rating: E VG G MG F P (VP)

NEORSD Macroinvertebrate Field Sheet

Stream: ROCKY River River Mile: 8.30 Year: 2017

Location: upstream of mastick Rd Project: 2017 ROCKY River Environmental Monitoring

Drainage Area (mi²): 282 Latitude (°N)/Longitude (°W): 41.43486, -81.84308

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EOLP

Hester-Dendy Deployment Information

Install Date: 6/15/17 Crew (QDC Circled): (SH) / MM

Current at HD (fps): 3.35 Depth (cm): 12 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: 6/21/17 Crew (QDC Circled): (SH) / ES / SF

Current (fps): 1.55 Depth (cm): 20 Reason: Last HD blown out

*see comments for 3rd reinstall

Sampling/Retrieval Information

Sampling Method: (Hester-Dendy) Dipnet Ekman (6x6) Other: _____

Sampling Date: 8/10/17 Crew (QDC Circled): (SH) NA NB

OEPA Comment Field Codes: _____ Water Temp: 21.5 °C / °F

HD Condition- *Current (fps):* 1.78 *Depth (cm):* 1 *Comments:* _____

Number of HD Blocks Obtained: 5

Disturbed: Yes (No) *Debris:* (Yes) No

Silt/Solids: None (Slight) Moderate Heavy *Sample ID:* 17H051 / 17H052

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 45 X *Number of Crew:* 3 = Total (min): 135

Start Time: 1150 *End Time:* 1235 *Sample ID:* 17Q052

Habitats Sampled: (Pool) Riffle Run (Margin) Backwater

River Sampling Conditions

Weather:	Clear	(Partly Cloudy)	Overcast	Light Rain	Other:	
Canopy (over HD):	(Open)	75 %	50 %	25 %	Closed	
Flow Condition:	Dry	Intermittent	Interstitial	(Low)	Normal	Above Normal Flood
Current Velocity:	Non-detect	(Slow)	(Moderate)	Fast		
Channel Morphology:	(Natural)	Channelized	Channelized (Recovered)	Impounded		
Bank Erosion:	None	(Slight)	Moderate	Extensive		
Water Clarity:	(Clear)	Muddy	Tea	Milky	Other:	
Water Color:	(None)	Green	Brown	Grey	Other:	

Evidence of Pollution: _____

Potential Pollution Sources: _____

Comment Section: Temp at reinstall: 23.9°C

*Reinstall date: 6/29/17 crew (QDC circled): (SH) / SF

current (FPS): 2.2 Depth (cm): 8 Reason: HD missing

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 8/22/17

Company/Entity: Third Rock Consultants, LLC

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

	Riffle	Units	Run	Units	Pool	Units
Bedrock	X		X		X	
Boulder	X		X		X	
Cobble/Rubble	X		X		X	
Gravel Course	X		X		X	
Gravel Fine	X					
Sand	X		X		X	
Silt					X	
Clay/Hardpan						
Detritus						
Peat						
Muck						
Other						
Macrophytes						
Algae						
Artifacts						
Compaction (F,M,S)	M		M		F	
Depth (Avg)	20	cm	30	cm	1	M
Width (Avg)	12	m	12	m	18	m

Cobble is up to 10 in

Coarse Gravel

Fine Gravel

Sand

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

(Forest)	Urban	Open Pasture
Shrub	(Residential/Park)	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
X	X	Large Trees
		Small Trees
		Shrubs
		Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: (Yes) No

Development:

	Extensive
X	Moderate
	Sparse
	Absent

Quality: Good (Fair) Poor

Margin Habitat

Margin Quality: Good Fair (Poor) 1 %

Types Present:

(Root Mats)	Undercut Banks	Rip Rap
Tree Roots	Shallows	Bulkhead
(Woody Debris)	Soft Clay	
(Macrophytes/Grass)	Other _____	

Biological Characteristics

Overall Collection

Est. Amt		(V= >151; A= 150-101, C= 100-11; R= 10-1)
		Porifera, Bryozoa
C+	C	Turbellaria, Oligochaeta, Hirudinea
R	R	Isopoda, Amphipoda
	R	Decapoda, Hydracarina
		Ephemeroptera
C+		Baetidae
R		Heptageniidae, Leptohyphidae, Caenidae
		Other _____
R		Zygoptera, Anisoptera
		Plecoptera
C-		Hemiptera
		Megaloptera, Neuroptera
		Trichoptera
C+		Hydropsychidae
		Hydroptilidae, Leptoceridae
C		Other Polycentropodidae
		Coleoptera
C		Elimidae
		Other _____
		Diptera
C		Chironomidae
R		Tipulidae, Simuliidae
		Other _____
C		Gastropoda, Bivalvia
		Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: 27 %

Predominant Organism: Baetidae

Other Common Organisms: Hydropsychidae, Hirudinea

Density: (High) Moderate Low

Diversity: High (Moderate) Low

Run: 28 %

Predominant Organism: Baetidae

Other Common Organisms: Hydropsychidae, Hirudinea

Density: (High) Moderate Low

Diversity: High (Moderate) Low

Pool: 45 %

Predominant Organism: Chironomidae

Other Common Organisms: _____

Density: High Moderate (Low)

Diversity: High Moderate (Low)

Margin:

Predominant Organism: Turbellaria

Other Common Organisms: _____

Density: (High) Moderate Low

Diversity: High (Moderate) Low

Other Notable Collections: _____

Field Narrative Rating: E VG G (MG) F P VP

Last Modified: 10/21/15

NEORSD Macroinvertebrate Field Sheet

Stream: ROCKY River River Mile: 2.50 Year: 2017

Location: US of Hilliard Bridge Project: 2017 ROCKY River Environmental Monitoring

Drainage Area (mi²): 292 Latitude (°N)/Longitude (°W): 41.47037, -81.823666

Site Type: (WWH) EWH Coldwater Lacustuary Other: _____ *Eco-Region:* EoLP

Hester-Dendy Deployment Information

Install Date: 10/15/17 Crew (QDC Circled): (SH) / MM

Current at HD (fps): 2.0 Depth (cm): 20 Pictures Obtained: (Yes) No

Replicate/Reinstall Date: 10/21/17 Crew (QDC Circled): (SH) / ES / SF

Current (fps): 1.88 Depth (cm): 13 Reason: HD was exposed to air in no flow

* see comments for 3rd reinstall

Sampling/Retrieval Information

Sampling Method: ~~Hester-Dendy~~ (Dipnet) Ekman (6x6) Other: _____

Sampling Date: 8/10/17 Crew (QDC Circled): (SH) NA NB

OEPA Comment Field Codes: _____ Water Temp: 21.8 °C / °F

HD Condition- *Current (fps):* 1.99 *Depth (cm):* 12 *Comments:* _____

Number of HD Blocks Obtained: 5

Disturbed: (Yes) No *Debris:* (Yes) No

Silt/Solids: None (Slight) Moderate Heavy *Sample ID:* 17H053

Replicate: *Current (fps):* _____ *Depth (cm):* _____ *Comments:* _____

Number of HD Blocks Obtained: _____

Disturbed: Yes No *Debris:* Yes No

Silt/Solids: None Slight Moderate Heavy *Sample ID:* _____

Dipnet- Time Sampled (min): 45 X *Number of Crew:* 3 = Total (min): 135

Start Time: 0930 *End Time:* 1015 *Sample ID:* 17Q054

Habitats Sampled: (Pool) (Riffle) (Run) (Margin) Backwater

River Sampling Conditions

Weather:	Clear	(Partly Cloudy)	Overcast	Light Rain	Other:	
Canopy (over HD):	(Open)	75 %	50 %	25 %	Closed	
Flow Condition:	Dry	Intermittent	Interstitial	(Low)	Normal	Above Normal Flood
Current Velocity:	Non-detect	(Slow)	(Moderate)	(Fast)		
Channel Morphology:	(Natural)	Channelized	Channelized (Recovered)	Impounded		
Bank Erosion:	None	Slight	(Moderate)	Extensive		
Water Clarity:	(Clear)	Muddy	Tea	Milky	Other:	
Water Color:	(None)	Green	Brown	Grey	Other:	

Evidence of Pollution: _____

Potential Pollution Sources: CSOs

Comment Section: Temp at reinstall: 25.3 °C

*Reinstall Date: 10/29/17 crew (QDC circled): (SH) / SF

Current (fps): 3.1 Depth (cm): 13 Reason: HD missing

Samples Analyzed By: Bert Remley QDC #: 00837 Date: 8/29/17

Company/Entity: Third Rock Consultants, LLC

NEORSD Macroinvertebrate Field Sheet

Physical Characteristics

Substrate Characteristics

	Riffle	Units	Run	Units	Pool	Units
Bedrock			X		X	
Boulder	X		X		X	
Cobble/Rubble	X		X		X	
Gravel Course	X					
Gravel Fine	X		X		X	
Sand	X		X		X	
Silt					X	
Clay/Hardpan						
Detritus						
Peat						
Muck						
Other						
Macrophytes						
Algae						
Artifacts						
Compaction (F,M,S)	M		M		F	
Depth (Avg)	20cm		36cm		1m	
Width (Avg)	12m		12m		15m	

Cobble is up to 10 in. Coarse Gravel. Fine Gravel. Sand.

Predominant Land Use (Indicate *Left*, *Right* or *Both*)

Forest	Urban	Open Pasture
Shrub	(Residential/Park)	Closed Pasture
Old Field	Mining/Construction	Wetland
Rowcrop	Industrial	Other _____

Predominant Riparian Vegetation

Left	*Right*	*Type*
X	X	Large Trees
		Small Trees
		Shrubs
		Grass/Weeds
		None
		Riparian Width

Riffle Habitat

Embedded: Yes (No)

Development:

X	Extensive
	Moderate
	Sparse
	Absent

Quality: (Good) Fair Poor

Margin Habitat

Margin Quality: Good Fair (Poor) 2 %

Types Present: Flow low; habitat not under water

(Root Mats) (Undercut Banks) Rip Rap

Tree Roots Shallows Bulkhead

(Woody Debris) Soft Clay

Macrophytes/Grass Other _____

Biological Characteristics

Overall Collection

Est. Amt	(V=>151; A=150-101, C=100-11; R=10-1)
	Porifera, Bryozoa
C R	Turbellaria, Oligochaeta, Hirudinea
C C	Isopoda, Amphipoda
R R	Decapoda, Hydracarina
	Ephemeroptera
A	Baetidae
C C	Heptageniidae, Leptohyphidae, Caenidae
	Other _____
R	Zygoptera, Anisoptera
	Plecoptera
R	Hemiptera
	Megaloptera, Neuroptera
	Trichoptera
A	Hydropsychidae
	Hydroptilidae, Leptoceridae
	Other Polycentropodidae
	Coleoptera
C	Elimidae
	Other _____
	Diptera
C	Chironomidae
	Tipulidae, Simuliidae
	Other _____
C C	Gastropoda, Bivalvia
	Other _____

V= Very Abundant; A= Abundant; C= Common; R= Rare

Habitat Specific Organisms

Riffle: 33.3 %

Predominant Organism: Hydropsychidae

Other Common Organisms: Baetidae, Turbellaria

Density: (High) Moderate Low

Diversity: High (Moderate) Low

Run: 33.3 %

Predominant Organism: Baetidae

Other Common Organisms: _____

Density: High (Moderate) Low

Diversity: High (Moderate) Low

Pool: 33.3 %

Predominant Organism: Heptageniidae

Other Common Organisms: Chironomidae

Density: High Moderate (Low)

Diversity: High Moderate (Low)

Margin:

Predominant Organism: Heptageniidae

Other Common Organisms: _____

Density: High (Moderate) Low

Diversity: High (Moderate) Low

Other Notable Collections: _____

Field Narrative Rating: E VG (G) (MG) F P VP

Last Modified 10/21/15

Appendix E: 2017 Fish Data Sheets

Cuyahoga River Upstream of Mill Creek
July 19, 2017
River Mile: 11.95
Collection Method: Boat Electrofishing
Drainage Area: 709 miles^2
Collection Distance: 0.5 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	DELT Anomalies Description
20-003	*Dorosoma cepedianum* Eastern gizzard shad	15	1.1	--	0	---
37-003	*Esox lucius* Northern pike	1	3.175	--	0	---
40-008	*Moxostoma anisurum* Silver Redhorse	2	0.809	Moderately Intolerant	0	---
40-010	*Moxostoma erythrurum* Golden redhorse	11	4.99	Moderately Intolerant	0	---
40-011	*Moxostoma macrolepidotum* Shorthead redhorse	5	0.28	Moderately Intolerant	0	---
40-015	*Hypentelium nigricans* Northern hog sucker	8	0.95	Moderately Intolerant	0	---
40-016	*Catostomus commersonii* Common white sucker	3	0.66	Highly Tolerant	1	Lesion
43-001	*Cyprinus carpio* Common carp	7	21.319	Highly Tolerant	0	---
43-032	*Cyprinella spiloptera* Spotfin shiner	34	0.143	--	0	---
43-034	*Notropis stramineus* Sand shiner	17	0.036	Moderately Intolerant	0	---
47-002	*Ictalurus punctatus* Channel catfish	13	18.37	--	0	---
47-007	*Pylodictis olivaris* Flathead Catfish	2	1.07	--	0	---
74-003	*Morone americana* White perch	7	0.41	--	0	---
77-002	*Pomoxis nigromaculatus* Black crappie	1	0.125	--	0	---
77-004	*Micropterus dolomieui* Smallmouth bass	8	3.22	Moderately Intolerant	1	Lesion

Cuyahoga River Upstream of Mill Creek
July 19, 2017
River Mile: 11.95

85-001	*Aplodinotus grunniens* Freshwater drum	1	0.5	Moderately Tolerant	0	---
87-001	*Neogobius melanostomus* Round goby	1	0.015	--	0	---
	Totals	136	57.172		2	

*DELT anomalies were observed on	1.47	% of the fish collected.
Index of Biotic Integrity (IBI) =	34	(Fair)
Modified Index of Well-Being (MIwb) =	9.0	(Good)
Shannon Diversity Index, no.	2.39	
Shannon Diversity Index, wt.	1.736	
N	236	
B	69.54	

Cuyahoga River Downstream of Big Creek
July 20, 2017
River Mile: 7.00
Collection Method: Boat Electrofishing
Drainage Area: 786 miles^2
Collection Distance: 0.5 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	DELT Anomalies Description
01-005	*Petromyzon marinus* Sea Lamprey	1	0.02	--	0	---
20-003	*Dorosoma cepedianum* Eastern gizzard shad	127	7.432	--	0	---
40-010	*Moxostoma erythrurum* Golden redhorse	1	1.021	Moderately Intolerant	0	---
40-011	*Moxostoma macrolepidotum* Shorthead redhorse	6	0.31	Moderately Intolerant	0	---
40-015	*Hypentelium nigricans* Northern hog sucker	4	0.2	Moderately Intolerant	0	---
40-016	*Catostomus commersonii* Common white sucker	1	0.907	Highly Tolerant	0	---
43-001	*Cyprinus carpio* Common carp	1	10.886	Highly Tolerant	0	---
43-032	*Cyprinella spiloptera* Spotfin shiner	9	0.03	--	0	---
47-002	*Ictalurus punctatus* Channel catfish	2	4.082	--	0	---
47-004	*Ictalurus natalis* Yellow bullhead	1	0.07	Highly Tolerant	0	---
47-007	*Pylodictis olivaris* Flathead Catfish	1	0.16	--	0	---
77-003	*Ambloplites rupestris* Northern rockbass	1	0.095	--	0	---
77-004	*Micropterus dolomieui* Smallmouth bass	9	2.831	Moderately Intolerant	2	Lesion
77-013	*Lepomis gibbosus* Pumpkinseed sunfish	1	0.05	Moderately Tolerant	0	---
85-001	*Aplodinotus grunniens* Freshwater drum	2	3.175	Moderately Tolerant	0	---

Cuyahoga River Downstream of Big Creek

July 20, 2017

River Mile: 7.00

Totals	167	31.269	2

*DELT anomalies were observed on	1.20	% of the fish collected.
Index of Biotic Integrity (IBI) =	28	(Fair)
Modified Index of Well-Being (MIwb) =	7.6	(Fair)
Shannon Diversity Index, no.	1.083	
Shannon Diversity Index, wt.	1.797	
N	326	
B	38.77	

Euclid Creek Upstream of St. Clair Avenue
June 16, 2017
River Mile: 1.65
Collection Method: Longline Electrofishing
Drainage Area: 21.8 miles^2
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	DELT Anomalies Description
40-016	*Catostomus commersonii* Common white sucker	16	0.515	Highly Tolerant	0	---
43-011	*Rhinicthys atratulus* Blacknose dace	181	0.51	Highly Tolerant	0	---
43-013	*Semotilus atromaculatus* Creek chub	177	1.7	Highly Tolerant	0	---
43-042	*Pimephales promelas* Northern fathead minnow	2	0.01	Highly Tolerant	0	---
43-043	*Pimephales notatus* Bluntnose minnow	17	0.101	Highly Tolerant	0	---
43-044	*Campostoma anomalum* Central stoneroller minnow	142	1.395	--	0	---
47-004	*Ictalurus natalis* Yellow bullhead	1	0.05	Highly Tolerant	0	---
77-009	*Lepomis macrochirus* Northern bluegill sunfish	8	0.9	Moderately Tolerant	0	---
77-013	*Lepomis gibbosus* Pumpkinseed sunfish	1	0.06	Moderately Tolerant	0	---
	Totals	545	5.241		0	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	30	(Fair)
Modified Index of Well-Being (MIwb) =	6.4	(Fair)
Shannon Diversity Index, no.	1.399	
Shannon Diversity Index, wt.	1.658	
N	226.5	
B	3.533	

Euclid Creek Upstream of St. Clair Avenue
August 14, 2017
River Mile: 1.65
Collection Method: Longline Electrofishing
Drainage Area: 21.8 miles^2
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
40-016	*Catostomus commersonii* Common white sucker	1	0.14	Highly Tolerant	0	---
43-011	*Rhinicthys atratulus* Blacknose dace	200	0.592	Highly Tolerant	0	---
43-013	*Semotilus atromaculatus* Creek chub	181	2.034	Highly Tolerant	0	---
43-043	*Pimephales notatus* Bluntnose minnow	2	0.012	Highly Tolerant	0	---
43-044	*Campostoma anomalum* Central stoneroller minnow	111	1	--	0	---
	Totals	495	3.778		0	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	24	(Poor)
Modified Index of Well-Being (MIwb) =	5.0	(Poor)
Shannon Diversity Index, no.	1.104	
Shannon Diversity Index, wt.	1.116	
N	166.5	
B	1.5	

Euclid Creek Downstream of Lakeshore Boulevard
June 16, 2017
River Mile: 0.55
Collection Method: Boat Electrofishing
Drainage Area: 23 miles^2
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	DELT Anomalies Description
40-016	*Catostomus commersonii* Common white sucker	27	0.55	Highly Tolerant	0	---
43-001	*Cyprinus carpio* Common carp	1	0.88	Highly Tolerant	0	---
43-013	*Semotilus atromaculatus* Creek chub	133	1.258	Highly Tolerant	0	---
43-032	*Cyprinella spiloptera* Spotfin shiner	3	0.02	--	0	---
43-035	*Notropis volucellus* Mimic Shiner	28	0.6	Common Intolerant	0	---
43-043	*Pimephales notatus* Bluntnose minnow	34	0.1	Highly Tolerant	0	---
43-044	*Campostoma anomalum* Central stoneroller minnow	7	0.02	--	0	---
47-004	*Ictalurus natalis* Yellow bullhead	15	0.86	Highly Tolerant	0	---
77-003	*Ambloplites rupestris* Northern rockbass	5	0.515	--	0	---
77-004	*Micropterus dolomieu* Smallmouth bass	1	0.021	Moderately Intolerant	0	---
77-006	*Micropterus salmoides* Largemouth bass	3	0.892	--	0	---
77-007	*Lepomis gulosus* Warmouth sunfish	1	0.028	--	0	---
77-009	*Lepomis macrochirus* Northern bluegill sunfish	28	0.35	Moderately Tolerant	0	---
77-013	*Lepomis gibbosus* Pumpkinseed sunfish	6	0.045	Moderately Tolerant	0	---
77-014	*HYBRID* Bluegill X Pumpkinseed	1	0.021	--	0	---

Euclid Creek Downstream of Lakeshore Boulevard

June 16, 2017

River Mile: 0.55

87-001	*Neogobius melanostomus* Round goby	24	0.14	--	0	---
	Totals	317	6.300		0	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	28	(Fair)
Modified Index of Well-Being (MIwb) =	8.5	(Marginally Good)
Shannon Diversity Index, no.	1.968	
Shannon Diversity Index, wt.	2.232	
N	410	
B	12.46	

Euclid Creek Downstream of Lakeshore Boulevard
August 14, 2017
River Mile: 0.55
Collection Method: Longline Electrofishing
Drainage Area: 23 miles^2
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	DELT Anomalies Description
40-005	*Carpiodes cyprinus* Central quillback carpsucker	8	0.02	--	0	---
40-011	*Moxostoma macrolepidotum* Shorthead redhorse	1	0.09	Moderately Intolerant	0	---
40-016	*Catostomus commersonii* Common white sucker	22	0.76	Highly Tolerant	1	Deformity
43-011	*Rhinicthys atratulus* Blacknose dace	6	0.019	Highly Tolerant	0	---
43-013	*Semotilus atromaculatus* Creek chub	87	1.015	Highly Tolerant	0	---
43-032	*Cyprinella spiloptera* Spotfin shiner	1	0.01	--	0	---
43-034	*Notropis stramineus* Sand shiner	8	0.015	Moderately Intolerant	0	---
43-035	*Notropis volucellus* Mimic Shiner	17	0.04	Common Intolerant	0	---
43-039	*Ericymba buccata* Silverjaw minnow	23	0.04	--	0	---
43-043	*Pimephales notatus* Bluntnose minnow	24	0.062	Highly Tolerant	0	---
43-044	*Campostoma anomalum* Central stoneroller minnow	5	0.012	--	0	---
47-004	*Ictalurus natalis* Yellow bullhead	17	0.91	Highly Tolerant	0	---
47-005	*Ictalurus nebulosus* Brown bullhead	1	0.105	Highly Tolerant	1	Erosion
74-003	*Morone americana* White perch	1	0.005	--	0	---
77-003	*Ambloplites rupestris* Northern rockbass	9	0.37	--	0	---

Euclid Creek Downstream of Lakeshore Boulevard
August 14, 2017
River Mile: 0.55

77-004	*Micropterus dolomieu* Smallmouth bass	5	0.05	Moderately Intolerant	0	---
77-006	*Micropterus salmoides* Largemouth bass	6	0.03	--	0	---
77-008	*Lepomis cyanellus* Green sunfish	4	0.06	Highly Tolerant	0	---
77-009	*Lepomis macrochirus* Northern bluegill sunfish	177	1.83	Moderately Tolerant	1	Lesion
77-013	*Lepomis gibbosus* Pumpkinseed sunfish	36	0.528	Moderately Tolerant	0	---
80-003	*Perca flavescens* Yellow perch	2	0.021	--	0	---
87-001	*Neogobius melanostomus* Round goby	25	0.076	--	0	---
	Totals	485	6.068		3	

*DELT anomalies were observed on	0.62	% of the fish collected.
Index of Biotic Integrity (IBI) =	40	(Good)
Modified Index of Well-Being (MIwb) =	8.1	(Good)
Shannon Diversity Index, no.	2.216	
Shannon Diversity Index, wt.	2.1	
N	447	
B	4.584	

Rocky River Upstream of Mastick Road
June 22, 2017
River Mile: 8.30
Collection Method: Longline Electrofishing
Drainage Area: 282 miles^2
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	DELT Anomalies Description
40-015	*Hypentelium nigricans* Northern hog sucker	1	0.098	Moderately Intolerant	0	---
40-016	*Catostomus commersonii* Common white sucker	1	0.002	Highly Tolerant	0	---
43-013	*Semotilus atromaculatus* Creek chub	12	0.042	Highly Tolerant	0	---
43-025	*Notropis chrysocephalus* Striped shiner	5	0.12	--	0	---
43-032	*Cyprinella spiloptera* Spotfin shiner	40	0.321	--	0	---
43-034	*Notropis stramineus* Sand shiner	53	0.11	Moderately Intolerant	0	---
43-044	*Campostoma anomalum* Central stoneroller minnow	23	0.07	--	0	---
47-004	*Ictalurus natalis* Yellow bullhead	2	0.06	Highly Tolerant	0	---
47-008	*Noturus flavus* Stonecat Madtom	11	0.34	Intolerant	0	---
77-003	*Ambloplites rupestris* Northern rockbass	9	0.14	--	0	---
77-004	*Micropterus dolomieui* Smallmouth bass	5	0.13	Moderately Intolerant	0	---
77-006	*Micropterus salmoides* Largemouth bass	1	0.005	--	0	---
77-008	*Lepomis cyanellus* Green sunfish	9	0.035	Highly Tolerant	0	---
77-009	*Lepomis macrochirus* Northern bluegill sunfish	13	0.12	Moderately Tolerant	0	---
77-013	*Lepomis gibbosus* Pumpkinseed sunfish	1	0.01	Moderately Tolerant	0	---

Rocky River Upstream of Mastick Road
June 22, 2017
River Mile: 8.30

80-015	*Etheostoma blenniodes* Greenside darter	25	0.122	Moderately Intolerant	0	---
80-022	*Ethestoma caeruleum* Rainbow darter	4	0.022	Moderately Intolerant	0	---
87-001	*Neogobius melanostomus* Round goby	15	0.18	--	0	---
34-001	*Umbra limi* Central Mudminnow	1	0.004	Tolerant	0	---
	Totals	231	1.931		0	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	40	(Good)
Modified Index of Well-Being (MIwb) =	8.2	(Good)
Shannon Diversity Index, no.	2.398	
Shannon Diversity Index, wt.	2.529	
N	286.5	
B	2.412	

Rocky River Upstream of Mastick Road
August 10, 2017
River Mile: 8.30
Collection Method: Longline Electrofishing
Drainage Area: 282 miles^2
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	DELT Anomalies Description
40-015	*Hypentelium nigricans* Northern hog sucker	7	0.904	Moderately Intolerant	0	---
40-016	*Catostomus commersonii* Common white sucker	1	0.16	Highly Tolerant	0	---
43-013	*Semotilus atromaculatus* Creek chub	5	0.035	Highly Tolerant	0	---
43-022	*Notropis rubellus* Rosyface Shiner	7	0.015	Intolerant	0	---
43-026	*Notropis cornutus* Common shiner	1	0.008	--	0	---
43-025	*Notropis chrysocephalus* Striped shiner	36	0.27	--	0	---
43-032	*Cyprinella spiloptera* Spotfin shiner	25	0.152	--	0	---
43-034	*Notropis stramineus* Sand shiner	70	0.15	Moderately Intolerant	0	---
43-043	*Pimephales notatus* Bluntnose minnow	3	0.005	Highly Tolerant	0	---
43-044	*Campostoma anomalum* Central stoneroller minnow	76	0.346	--	1	Lesion
47-004	*Ictalurus natalis* Yellow bullhead	10	0.36	Highly Tolerant	0	---
47-008	*Noturus flavus* Stonecat Madtom	23	0.415	Intolerant	0	---
77-003	*Ambloplites rupestris* Northern rockbass	17	0.75	--	0	---
77-004	*Micropterus dolomieui* Smallmouth bass	14	0.46	Moderately Intolerant	0	---
77-008	*Lepomis cyanellus* Green sunfish	7	0.1	Highly Tolerant	0	---

Rocky River Upstream of Mastick Road
August 10, 2017
River Mile: 8.30

77-009	*Lepomis macrochirus* Northern bluegill sunfish	40	0.9	Moderately Tolerant	0	---
77-013	*Lepomis gibbosus* Pumpkinseed sunfish	1	0.02	Moderately Tolerant	0	---
80-015	*Etheostoma blenniodes* Greenside darter	22	0.14	Moderately Intolerant	0	---
80-022	*Ethestoma caeruleum* Rainbow darter	2	0.01	Moderately Intolerant	0	---
87-001	*Neogobius melanostomus* Round goby	31	0.25	--	0	---
	Totals	398	5.450		1	

*DELT anomalies were observed on	0.25	% of the fish collected.
Index of Biotic Integrity (IBI) =	42	(Good)
Modified Index of Well-Being (MIwb) =	9.1	(Very Good)
Shannon Diversity Index, no.	2.489	
Shannon Diversity Index, wt.	2.484	
N	511.5	
B	6.81	

Rocky River Upstream of Hilliard Boulevard
June 22, 2017
River Mile: 2.50
Collection Method: Longline Electrofishing
Drainage Area: 292 miles^2
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	DELT Anomalies #	DELT Anomalies Description
10-004	*Lepisosteus osseus* Longnose Gar	1	0.003	--	0	---
40-015	*Hypentelium nigricans* Northern hog sucker	2	0.084	Moderately Intolerant	0	---
40-016	*Catostomus commersonii* Common white sucker	18	0.348	Highly Tolerant	0	---
43-003	*Notemigonus crysoleucas* Golden shiner	1	0.01	Highly Tolerant	0	---
43-013	*Semotilus atromaculatus* Creek chub	1	0.003	Highly Tolerant	0	---
43-026	*Notropis cornutus* Common shiner	3	0.048	--	0	---
43-032	*Cyprinella spiloptera* Spotfin shiner	46	0.118	--	0	---
43-034	*Notropis stramineus* Sand shiner	20	0.042	Moderately Intolerant	0	---
43-043	*Pimephales notatus* Bluntnose minnow	4	0.035	Highly Tolerant	0	---
43-044	*Campostoma anomalum* Central stoneroller minnow	30	0.238	--	0	---
47-004	*Ictalurus natalis* Yellow bullhead	12	0.34	Highly Tolerant	0	---
47-008	*Noturus flavus* Stonecat Madtom	10	0.275	Intolerant	0	---
77-003	*Ambloplites rupestris* Northern rockbass	32	0.62	--	0	---
77-004	*Micropterus dolomieui* Smallmouth bass	4	0.572	Moderately Intolerant	0	---
77-006	*Micropterus salmoides* Largemouth bass	3	0.015	--	0	---

Rocky River Upstream of Hilliard Boulevard

June 22, 2017

River Mile: 2.50

77-008	*Lepomis cyanellus* Green sunfish	18	0.14	Highly Tolerant	0	---
77-009	*Lepomis macrochirus* Northern bluegill sunfish	69	0.42	Moderately Tolerant	0	---
77-016	*HYBRID* Green SF X Pumpkinseed	1	0.018	--	0	---
80-011	*Percina caprodes* Northern logperch darter	16	0.2	Moderately Intolerant	0	---
80-015	*Etheostoma blenniodes* Greenside darter	26	0.13	Moderately Intolerant	0	---
87-001	*Neogobius melanostomus* Round goby	21	0.204	--	0	---
	Totals	338	3.863		0	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	40	(Good)
Modified Index of Well-Being (MIwb) =	8.8	(Good)
Shannon Diversity Index, no.	2.539	
Shannon Diversity Index, wt.	2.56	
N	393	
B	4.148	

Rocky River Upstream of Hilliard Boulevard
August 3, 2017
River Mile: 2.50
Collection Method: Longline Electrofishing
Drainage Area: 292 miles^2
Collection Distance: 0.2 km

Code	Species	Number	Weight (kg)	Pollution Tolerance	#	DELT Anomalies Description
40-005	*Carpiodes cyprinus* Central quillback carpsucker	15	0.036	--	0	---
40-015	*Hypentelium nigricans* Northern hog sucker	1	0.2	Moderately Intolerant	0	---
40-016	*Catostomus commersonii* Common white sucker	26	1.162	Highly Tolerant	0	---
43-003	*Notemigonus crysoleucas* Golden shiner	2	0.033	Highly Tolerant	0	---
43-013	*Semotilus atromaculatus* Creek chub	16	0.036	Highly Tolerant	0	---
43-022	*Notropis rubellus* Rosyface Shiner	4	0.008	Intolerant	0	---
43-026	*Notropis cornutus* Common shiner	12	0.034	--	0	---
43-025	*Notropis chrysocephalus* Striped shiner	57	0.161	--	0	---
43-032	*Cyprinella spiloptera* Spotfin shiner	59	0.237	--	0	---
43-034	*Notropis stramineus* Sand shiner	150	0.201	Moderately Intolerant	0	---
43-035	*Notropis volucellus* Mimic Shiner	7	0.016	Common Intolerant	0	---
43-043	*Pimephales notatus* Bluntnose minnow	35	0.056	Highly Tolerant	0	---
43-044	*Campostoma anomalum* Central stoneroller minnow	86	0.306	--	0	---
47-002	*Ictalurus punctatus* Channel catfish	3	2.131	--	0	---
47-004	*Ictalurus natalis* Yellow bullhead	9	0.04	Highly Tolerant	0	---

Rocky River Upstream of Hilliard Boulevard
August 3, 2017
River Mile: 2.50

47-008	*Noturus flavus* Stonecat Madtom	30	0.68	Intolerant	0	---
77-003	*Ambloplites rupestris* Northern rockbass	40	1.2	--	0	---
77-004	*Micropterus dolomieui* Smallmouth bass	9	0.49	Moderately Intolerant	0	---
77-006	*Micropterus salmoides* Largemouth bass	4	0.018	--	0	---
77-008	*Lepomis cyanellus* Green sunfish	15	0.305	Highly Tolerant	0	---
77-009	*Lepomis macrochirus* Northern bluegill sunfish	93	0.7	Moderately Tolerant	0	---
80-011	*Percina caprodes* Northern logperch darter	11	0.15	Moderately Intolerant	0	---
80-014	*Ethestoma nigrum* Johnny darter	2	0.008	--	0	---
80-015	*Etheostoma blenniodes* Greenside darter	22	0.12	Moderately Intolerant	0	---
80-022	*Ethestoma caeruleum* Rainbow darter	8	0.02	Moderately Intolerant	0	---
87-001	*Neogobius melanostomus* Round goby	88	0.316	--	0	---
	Totals	804	8.664		0	

*DELT anomalies were observed on	0.00	% of the fish collected.
Index of Biotic Integrity (IBI) =	48	(Very Good)
Modified Index of Well-Being (MIwb) =	9.7	(Exceptional)
Shannon Diversity Index, no.	2.689	
Shannon Diversity Index, wt.	2.484	
N	919.5	
B	10.07	

OhioEPA **FISH DATA SHEET** Sheet ID For Office Use Only | New Station (requires lat/long & county) ☐ | Mix Zone ☐ | Page 1 of 2

Station ID _____ **River Code** _____ **RM** 11.95 **Date** 7/19/17 **Time** 1415 hrs

Stream Cuyahoga River **Location** Upstrm of Mill Creek bridge (1-490)

Comments DA 709.00, Grad 6.93

Lat 41.4123°N **Long** -81.6304 **County** Cuyahoga **ALP** _____ **Time Fished** 2764sec

Crew J.Rhoades **Netter** M.Matteson*/M.Many **Others** S.Hothem/K.Amidon **Sampler Type** B

Distance 0.5km **Flow** 570 cfs **Temp. C** _____ **Secchi** _____ **Source** _____ **Project** Cuyahoga River

*Crew leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (kg unless noted)	Counts	DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
							D	E	L	T	M	*
1	37-003 Northern Pike	1	1	3.175	7 lbs (1)							
	V 1 10x											
2	47-002 channel catfish	13	13	18.370	8.5 lbs (1)	7.5 lbs (5)						
					5 lbs (1)	6.5 lbs (1)						
	V 10x				5 lbs (1)	8 lbs (4)						
3	43-001 Common Carp	7	7	21.319	27 lbs (4)							
					20 lbs (3)							
	V 10x											
4	40-015 Hog sucker	8	8	0.950	0.950 (8)							
	V 10x											
5	77-002 Black Crappie	1	1	0.125	0.125 (1)							
	V 1 10x											
6	85-001 Freshwater Drum	1	1	0.500	0.500 (1)							
	V 10x											
7	77-004 smallmouth bass	8	8	3.22	.650 kg (1)	.700kg (1)						
					.800 kg (1)	.350kg (3)				1		
	V 10x				.700kg (1)	.020 (1)						
8	43-034 Sand Shiner	17	17	0.039	0.035 (16)							
					0.004 (1)							
	V 10x											
9	43-032 Spotfin Shiner	34	34	0.146	0.006 (3)							
					0.140 (31)							
	V 10x											

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

Weights (Counts)

	Fins Code	Number Weighed	Total Counted	Total Weight				D	E	L	T	M	*
10	74-003 White Peach	7	7	0.410	0.410 (7)								
	V 10x												
11	40-011 Shorthead Redhorse	5	5	0280	0.280 (5)								
	V 10x												
12	40-008 Silver Redhorse	2	2	0.809	0.244 (1)								
	V 10x				0.565 (1)								
13	87-001 Round Goby	1	1	0.015	0.015 (1)								
	V 10x												
14	40-016 White Sucker	3	3	0.66	0.520 (1)					1			
	V 10x				0.140 (2)								
15	47-007 Flathead Catfish	2	2	1.07	0.690 (1)								
	V 10x				0.38 (1)								
16	40-010 Golden Redhorse	11	11	4.990	11 lbs (11)								
	V 10x												
17	20-003 Gizzard Shad	15	15	1.100	1.100 (15)								
	V 10x												
18													
	V 10x												
19													
	V 10x												
20													
	V 10x												
21													
	V 10x												

OhioEPA FISH DATA SHEET

Sheet ID For Office Use Only: _____ New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 2

Station ID _____ River Code _____ RM 7.00 Date 7/20/17 Time 1345

Stream Cuyahoga River Location Dst Big Creek

Comments DA: 786mi.²

Lat 41.4497 Long -81.6815 County Cuyahoga ALP _____ Time Fished 2400sec

Crew Rhoades * Netter Matteson Others Amidon, Hothem, Friedman Sampler Type B

Distance 0.5Km Flow 512cfs Temp. C _____ Secchi _____ Source _____ Project Cuyahoga River

* Crew leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Kg unless noted Weights	Counts	DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)
1	43-001 Common Carp V 10x	1	1	10.886	24 lbs (1)		D E L T M *
2	47-002 Channel Catfish V 10x	2	2	4.082	6 lbs (1) 3 lbs (1)		D E L T M *
3	85-001 Freshwater Drum V 10x	2	2	3.175	7 lbs (2)		D E L T M *
4	77-004 Smallmouth Bass V 10x	9	9	2.831	2.5 lbs (1) 2 lbs (1) 0.62 (4)	0.170 (3)	D E L T M * L 11
5	40-016 White Sucker V 10x	1	1	0.907	2 lbs (1)		D E L T M *
6	40-010 Golden Redhorse V 10x	1	1	1.021	2.25 lbs (1)		D E L T M *
7	77-013 Pumpkinseed Sunfish V 10x	1	1	0.050	0.050* (1)		D E L T M *
8	01-005 Sea Lamprey V 10x	1	1	0.020	0.020 (1)		D E L T M *
9	20-003 Gizzard Shad V 10x	127	127	7.432	9 lbs (70) 2.200 (39) 1.150 (18)		D E L T M *

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

Weights (Counts)

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)			D	E	L	T	M	*
10	47-007 Flathead Catfish	1	1	0.160	0.160 (1)								
	V 10x												
11	77-003 Rock Bass	1	1	0.095	0.095 (1)								
	V 10x												
12	47-004 Yellow Bullhead	1	1	0.070	0.070 (1)								
	V 10x												
13	43-032 Spotfin Shiner	9	9	0.030	0.030 (9)								
	V 10x												
14	40-015 Northern Hogsucker	4	4	0.200	0.200 (4)								
	V 10x												
15	40-011 Shorthead Redhorse	6	6	0.310	0.310 (6)								
	V 10x												
16													
	V 10x												
17													
	V 10x												
18													
	V 10x												
19													
	V 10x												
20													
	V 10x												
21													
	V 10x												

OhioEPA **FISH DATA SHEET** Sheet ID For Office Use Only _____ New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 1 of 2

Station ID _____ River Code _____ RM 8.30 Date 6/22/17 Time 0915

Team ROCKY RIVER Location upstream of Mastick Road

Comments DA: 282 mi² Grad: 6.21

Lat 41.43541°N Long -81.84358°W County Cuyahoga ALP _____ Time Fished 3193

Crew Friedman Netter Hotlem* Others Matteson, Meany, Foley Sampler Type D

* Crew leader

Distance 0.2 km Flow _____ Temp. C _____ Secchi _____ Source _____ Project Rocky River

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)		DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
							D	E	L	T	M	*
1	87-001 Round Goby	15	15	0.180	0.180 (15)							
	V2 10x											
2	43-032 Spotfin Shiner	40	40	0.321	0.300 (35)							
					0.015 (4)							
	V2 10x				0.006 (1)							
3	77-004 Smallmouth Bass	5	5	0.130	0.030 (2)							
					0.100 (3)							
	V2 10x											
4	47-004 Yellow Bullhead	2	2	0.060	0.060 (2)							
	V2 10x											
5	43-025 Striped Shiner	5	5	0.120	0.120 (5)							
	V2 10x											
6	77-003 Rock Bass	9	9	0.140	0.140 (9)							
	V2 10x											
7	43-013 Creek Chub	12	12	0.042	0.009 (3)							
					0.003 (3)							
	V 10x				0.030 (6)							
8	80-015 Greenside Darter	25	25	0.122	0.122 (25)							
	V2 10x											
9	47-008 Stonecat Madtom	11	11	0.340	0.34 (11)							
	V 10x											

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

Weights (Counts)

	Fins Code	Number Weighed	Total Counted	Total Weight				D	E	L	T	M	*
10	80-022 Rainbow Darter V2 10x	4	4	0.022	0.022 (4)								
11	40-015 Northern Hogsucker V1 10x	1	1	0.098	0.098 (1)								
12	43-044 Central Stoneroller Minnow V 10x	23	23	0.070	0.070 (23)								
13	77-006 Largemouth Bass V1 10x	1	1	0.005	0.005 (1)								
14	34-001 Central Mudminnow V1 10x	1	1	0.004	0.004 (1)								
15	43-034 Sand Shiner V2 10x	53	53	0.110	0.110 (53)								
16	77-009 Bluegill Sunfish V2 10x	13	13	0.120	0.120 (13)								
17	77-013 Pumpkinseed Sunfish V 10x	1	1	0.010	0.010 (1)								
18	77-008 Green Sunfish V 10x	9	9	0.035	0.035 (9)								
19	40-016 White Sucker V 10x	1	1	0.002	0.002 (1)								
20	V 10x												
21	V 10x												

OhioEPA **FISH DATA SHEET** | Sheet ID For Office Use Only | New Station (requires lat/long & county) ☐ | Mix Zone ☐ | Page 1 of 2

Station ID _____ **River Code** _____ **RM** 8.30 **Date** 8/10/17 **Time** 0930 hrs

Stream Rocky River **Location** Ust of Mastick Rd

Comments _____

Lat 41.43541 **Long** -81.84358 **County** Cuyahoga **ALP** _____ **Time Fished** 3283

Crew M Matteson* **Netter** D. Friedman/K. Amidon **Others** M. Meany **Sampler Type** _____

Distance 0.2km **Flow** _____ **Temp. C** _____ **Secchi** _____ **Source** _____ **Project** Rocky River

*Crew leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts	DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
							D	E	L	T	M	*
1	43-044 Stoneroller	76	76	0.346	0.340 0.006	(75) (1)			1			
	V 10x											
2	43-032 Spotfin	25	25	0.152	0.090 0.060 0.002	(13) (11) (1)						
	V 10x											
3	77-004 Smallmouth bass	14	14	0.460	0.450 0.010	(12) (2)						
	V 10x											
4	40-015 Northern hogsucker	7	7	0.904	0.900 0.004	(6) (1)						
	V 10x											
5	47-008 Stonecat madtom	23	23	0.415	0.410 0.005	(22) (1)						
	V 10x											
6	47-004 Yellow bullhead	10	10	0.360	0.360	(10)						
	V 10x											
7	77-003 Rockbass	17	17	0.750	0.750	(17)						
	V 10x											
8	43-022 Rosyface shiner	7	7	0.015	0.008 0.006 0.001	(4) (2) (1)						
	V 10x											
9	77-013 Pumpkinseed Sunfish	1	1	0.020	0.020	(1)						
	V 10x											

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

Weights Counts

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights / Counts			D	E	L	T	M	*
10	77-008 Green Sunfish	7	7	0.100	0.100 (7)								
	V 10x												
11	40-016 White Sucker	1	1	0.160	0.160 (1)								
	V 10x												
12	77-009 Bluegill Sunfish	40	40	0.90	0.90 (40)								
	V 10x												
13	43-013 Creek Chub	5	5	0.035	0.030 (4)								
	V 10x				0.005 (1)								
14	80-022 rainbow darter	2	2	0.010	0.010 (2)								
	V 10x												
15	80-015 greenside darter	22	22	0.140	0.140 (22)								
	V 10x												
16	87-001 round goby	31	31	0.250	0.250 (31)								
	V 10x												
17	43-025 Striped shiner	36	36	0.270	0.220 (19)								
	V 10x				0.050 (17)								
18	43-034 Sand shiner	70	70	0.150	0.150 (70)								
	V 10x												
19	43-043 bluntnose	3	3	0.005	0.001 (1)								
	V 10x				0.002 (1)								
					0.002 (1)								
20	43-026 Common shiner	1	1	0.008	0.008 (1)								
	V 10x												
21								D	E	L	T	M	*
	V 10x												

Ohio EPA **FISH DATA SHEET** | Sheet ID For Office Use Only | New Station (requires lat/long & county) ☐ | Mix Zone ☐ | Page 1 of 2

Station ID _____ **River Code** _____ **RM** 2.50 **Date** 6/22/17 **Time** 1245

Team Rocky River **Location** Upstream of Hilliard Road

Comments DA: 292 mi²

Lat 41.646986 **Long** -81.823322 **County** Cuyahoga **ALP** _____ **Time Fished** 4021 sec

Crew Meany **Netter** Matteson **Others** Hothem*, Friedman, Foley **Sampler Type** D

*Crew leader

Distance 0.2 km **Flow** _____ **Temp. C** _____ **Secchi** _____ **Source** _____ **Project** Rocky River

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights / Counts			DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)					
								D	E	L	T	M	*
1	10-004 Longnose Gar	1	1	0.003	0.003 (1)								
	V 1 10x												
2	40-015 Northern Hogsucker	2	2	0.084	0.084 (2)								
	V 1 10x												
3	47-004 Yellow Bullhead	12	12	0.340	0.275 (9)								
					0.065 (3)								
	V 10x												
4	47-008 Stonecat madtom	10	10	0.275	0.275 (10)								
	V 10x												
5	43-003 Golden Shiner	1	1	0.010	0.010 (1)								
	V 1 10x												
6	40-016 White Sucker	18	18	0.348	0.190 (8)	0.020 (1)							
					0.130 (7)	0.003 (1)							
	V 10x				0.005 (1)								
7	43-044 Stoneroller Minnow	30	30	0.238	0.020 (1)								
					0.003 (1)								
	V 10x				0.215 (28)								
8	43-043 Bluntnose Minnow	4	4	0.035	0.035 (4)								
	V 10x												
9	43-026 Common Shiner	3	3	0.048	0.038 (2)								
					0.010 (1)								
	V 10x												

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

Weights (Counts)

Page 2 of 2

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)			D	E	L	T	M	*
10	43-032 Spotfin Shiner	46	46	0.118	0.085 (33)	0.004 (1)							
	V 10x				0.021 (10)								
					0.008 (2)								
11	43-013 Greek Chub	1	1	0.003	0.003 (1)								
	V 10x												
12	87-001 Round Goby	21	21	0.204	0.180 (19)								
	V 10x				0.024 (2)								
13	77-004 Smallmouth Bass	4	4	0.572	0.180 (1)	0.160 (1)							
	V 10x				0.012 (1)								
					0.220 (1)								
14	77-006 Largemouth Bass	3	3	0.015	0.005 (1)								
	V1 10x				0.010 (2)								
15	43-034 sand shiner	20	20	0.042	0.042 (20)								
	V 10x												
16	80-011 Logperch darter	16	16	0.200	0.200 (16)								
	V2 10x												
17	80-015 Greenside darter	26	26	0.130	0.130 (26)								
	V 10x												
18	77-016 Green x Pumpkinseed sunfish	1	1	0.018	0.018 (1)								
	V1 10x												
19	77-003 ROCK BASS	32	32	0.620	0.620 (32)								
	V 10x												
20	77-009 Blue gill	69	69	0.420	0.420 (69)			1					
	V 10x												
21	77-008 Green sunfish	18	18	0.140	0.140 (18)								
	V 10x												

OhioEPA **FISH DATA SHEET** | Sheet ID For Office Use Only | New Station (requires lat/long & county) ☐ | Mix Zone ☐ | Page 1 of 3

Station ID _____ River Code _____ RM 2.50 Date 8/3/17 Time 10:35

Stream ROCKY River Location upstream of Hilliard Blvd

Comments DA: 292 mi² Grad: 3.72

Lat 41.460986 °N Long -81.823322 °W County Cuyahoga ALP _____ Time Fished 5343

Crew Amidon Netter * Matteson/Friedman Others Meany, Collins Sampler Type E

Distance 0.2 km Flow _____ Temp. C _____ Secchi _____ Source _____ Project ROCKY River

* Crew leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights (Counts)		DELT ANOMALIES (Deformities, Erosions, Lesions, Tumors; Multiple DELTs on one fish)
1	47-002 Channel catfish (photo physical) V2 10x	3	3	2.131	1.800 (1) 0.010 (1) 0.321 (1)		D E L T M *
2	40-015 Hogsucker V 10x	1	1	0.200	0.200 (1)		D E L T M *
3	40-005 Quillback carpsucker V2 10x	15	15	0.036	0.030 (14) 0.006 (1)		D E L T M *
4	40-016 White Sucker V 10x	26	26	1.162	1.15 (25) 0.012 (1)		D E L T M *
5	77-004 Smallmouth bass V 10x	9	9	0.490	0.200 (1) 0.290 (8)		D E L T M *
6	43-032 Spottin Shiner V 10x	59	59	0.237	0.185 (47) 0.005 (1) 0.030 (8)	0.007 (1) 0.010 (2)	D E L T M *
7	87-001 Round goby V 10x	88	88	0.316	0.290 (83) 0.012 (2) 0.008 (1)	0.004 (1) 0.002 (1)	D E L T M *
8	77-006 Largemouth bass V 10x	4	4	0.018	0.018 (4)		D E L T M *
9	47-008 Stonecat madtom V 10x	30	30	0.680	0.680 (30)		D E L T M *

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

Weights Counts

	Fins Code	Number Weighed	Total Counted	Total Weight				D	E	L	T	M	*
10	43-043 Bluntnose minnow V 10x	35	35		0.035 (15) 0.000 (3) 0.003 (1)	0.012 (16)							
11	80-022 Rainbow darter V 10x	8	8	0.020	0.020 (8)								
12	80-041 Logperch V 10x	11	11	0.150	0.150 (11)								
13	80-015 Greenside darter V 10x	22	22	0.120	0.120 (22)								
14	80-014 Johnny darter V2 10x	2	2	0.008	0.008 (2)								
15	43-013 creek chub V 10x	16	16	0.036	0.032 (15) 0.006 (1)								
16	47-004 Yellow bullhead V 10x	9	9	0.040	0.040 (9)								
17	43-044 stone roller V 10x	86	86	0.306	0.300 (85) 0.006 (1)								
18	77-003 rock bass V 10x	40	40	1.20	1.20 (40)								
19	77-009 bluegill SF V 10x	93	93	0.700	0.700 (93)								
20	77-008 green SF V2 10x	15	15	0.305	0.060 (2) 0.245 (13)								
21	43-025 striped shiner V 10x	57	57	0.161	0.000 (6) 0.006 (1) 0.006 (1)	0.005 (1) 0.050 (31) 0.020 (14)	0.004 (1) 0.004 (1) 0.006 (1)						

OhioEPA **FISH DATA SHEET** Sheet ID For Office Use Only _____ New Station (requires lat/long & county) ☐ Mix Zone ☐ Page 3 of 3

Station ID _____ River Code _____ RM 2.50 Date 8/3/17 Time 10:35

Stream Rocky River Location upstream of Hilliard Blvd.

Comments DA: 292 mi² Grad: 3.72

Lat 41.46986 Long -81.823322 County Cuyahoga ALP _____ Time Fished 5343

Crew Amidon Netter * Matheson/Friedman Others Muany/Collins Sampler Type E

Distance 0.2km Flow _____ Temp. C _____ Secchi _____ Source _____ Project Rocky River

* Crew leader

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights	Counts	DELT ANOMALIES (D E L T M *)
1	43-003 golden shiner	2	2	0.033	0.013 ①		
	V 10x				0.020 ①		
2	43-026 common shiner	12	12	0.034	0.020 ⑨	0.003 ①	
	V 10x				0.006 ①		
					0.005 ①		
3	43-034 sand shiner	150	150	0.201	0.001 ①		
	V 10x				0.200 ⑭⑨		
4	43-035 mimic shiner	7	7	0.016	0.016 ⑦		
	V7 10x						
5	43-022 rosyface shiner	4	4	0.008	0.008 ④		
	V4 10x						
6							
	V 10x						
7							
	V 10x						
8							
	V 10x						
9							
	V 10x						

* A-anchor worm; B-black spot; C-leeches; F-fungus; N-blind; P-parasites; S-emaciated, W-swirled scales Y-popeye; Z-other

	Fins Code	Number Weighed	Total Counted	Total Weight	Weights Counts	D	E	L	T	M	*
10	V 10x										
11	V 10x										
12	V 10x										
13	V 10x										
14	V 10x										
15	V 10x										
16	V 10x										
17	V 10x										
18	V 10x										
19	V 10x										
20	V 10x										
21	V 10x										

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Appendix F: 2017 Water Chemistry Results

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	*CaCO3		163	mg/LCaCO3	24-Jul-17	1		EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	*CaCO3		196	mg/LCaCO3	25-Jul-17	1		EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	*CaCO3		208	mg/LCaCO3	28-Jul-17	1		EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	*CaCO3		202	mg/LCaCO3	27-Jul-17	1		EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	*CaCO3		258	mg/LCaCO3	21-Aug-17	1		EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	*CaCO3		242	mg/LCaCO3	23-Aug-17	1		EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Ag	<	0.254	ug/L	24-Jul-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Ag	<	0.254	ug/L	25-Jul-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Ag	<	0.254	ug/L	28-Jul-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Ag	<	0.254	ug/L	27-Jul-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Ag	<	0.254	ug/L	21-Aug-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Ag	<	0.254	ug/L	23-Aug-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Al		4454	ug/L	24-Jul-17	5	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Al		182.9	ug/L	25-Jul-17	5	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Al		235.4	ug/L	31-Jul-17	5	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Al		156.9	ug/L	27-Jul-17	5	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Al		22.77	ug/L	25-Aug-17	5	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Al		55.56	ug/L	23-Aug-17	5	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Alkalinity		90	mg/LCaCO3	20-Jul-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Alkalinity		140.6	mg/LCaCO3	20-Jul-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Alkalinity		141.7	mg/LCaCO3	21-Jul-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Alkalinity		141.1	mg/LCaCO3	1-Aug-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Alkalinity		156.4	mg/LCaCO3	3-Aug-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Alkalinity		152.5	mg/LCaCO3	9-Aug-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	As		7.593	ug/L	24-Jul-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	As	j	1.184	ug/L	25-Jul-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	As	j	1.76	ug/L	28-Jul-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	As	j	1.958	ug/L	27-Jul-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	As	<	1.164	ug/L	21-Aug-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	As	<	1.164	ug/L	23-Aug-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Ba		70.8	ug/L	24-Jul-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Ba		42.71	ug/L	25-Jul-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Ba		44.49	ug/L	28-Jul-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Ba		42.58	ug/L	27-Jul-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Ba		46.13	ug/L	21-Aug-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Ba		48.74	ug/L	23-Aug-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Be	j	0.282	ug/L	24-Jul-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Be	<	0.188	ug/L	25-Jul-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Be	<	0.188	ug/L	28-Jul-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Be	<	0.188	ug/L	27-Jul-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Be	<	0.188	ug/L	21-Aug-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Be	<	0.188	ug/L	23-Aug-17	0.188	1	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	BOD		4.9	mg/L	11-Jul-17	2		SM5210 B
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	BOD		3.7	mg/L	19-Jul-17	2		SM5210 B
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	BOD	<	2	mg/L	19-Jul-17	2		SM5210 B
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	BOD	<	2	mg/L	25-Jul-17	2		SM5210 B
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	BOD	<	2	mg/L	1-Aug-17	2		SM 5210
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	BOD	<	2	mg/L	1-Aug-17	2		SM5210 B
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	BOD	<	2	mg/L	8-Aug-17	2		SM5210 B
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Ca		47300	ug/L	24-Jul-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Ca		57340	ug/L	25-Jul-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Ca		59380	ug/L	28-Jul-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Ca		59160	ug/L	27-Jul-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Ca		78530	ug/L	21-Aug-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Ca		70010	ug/L	23-Aug-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Cd	j	0.217	ug/L	24-Jul-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Cd	<	0.106	ug/L	25-Jul-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Cd	<	0.106	ug/L	28-Jul-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Cd	<	0.106	ug/L	27-Jul-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Cd	<	0.106	ug/L	21-Aug-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Cd	<	0.106	ug/L	23-Aug-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Chloride		88.6	mg/L	4-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Chloride		114.3	mg/L	11-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Chloride		114.3	mg/L	11-Aug-17	2	5	
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Chloride		115.7	mg/L	11-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Chloride		122	mg/L	15-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Chloride		168.1	mg/L	25-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Chloride		168.1	mg/L	25-Aug-17	2	5	
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Chloride		172.6	mg/L	31-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Co		5.066	ug/L	24-Jul-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Co	j	0.459	ug/L	25-Jul-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Co	j	0.493	ug/L	28-Jul-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Co	j	0.426	ug/L	27-Jul-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Co	j	0.358	ug/L	21-Aug-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Co	j	0.45	ug/L	23-Aug-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	COD		33.7	mg/L	17-Jul-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	COD		19.3	mg/L	20-Jul-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	COD		17.7	mg/L	20-Jul-17	4.6	10	EPA 410.4
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	COD		17.7	mg/L	20-Jul-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	COD		17.7	mg/L	2-Aug-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	COD		18.5	mg/L	9-Aug-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	COD		20.4	mg/L	16-Aug-17	4.6	10	EPA 410.4
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	COD		20.4	mg/L	16-Aug-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Conduct		579.4	uS/cm	31-Jul-17	0.5	1.1	SM2510 B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Conduct		771.9	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Conduct		802	uS/cm	31-Jul-17	0.5	1.1	SM 2510B
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Conduct		802	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Conduct		1017	uS/cm	25-Aug-17	0.5	1.1	SM2510 B
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Conduct		1024	uS/cm	25-Aug-17	0.5	1.1	SM2510 B
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Cr		7.998	ug/L	24-Jul-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Cr	j	1.806	ug/L	25-Jul-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Cr	j	1.897	ug/L	28-Jul-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Cr	j	1.684	ug/L	27-Jul-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Cr	j	1.597	ug/L	21-Aug-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Cr	j	1.335	ug/L	23-Aug-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Cu		16.35	ug/L	24-Jul-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Cu		3.664	ug/L	25-Jul-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Cu		3.739	ug/L	28-Jul-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Cu		3.16	ug/L	27-Jul-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Cu		3.027	ug/L	21-Aug-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Cu		3.388	ug/L	23-Aug-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	DRPhos		0.022	mg/L	12-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	DRPhos		0.035	mg/L	18-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	DRPhos		0.03	mg/L	18-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	DRPhos		0.04	mg/L	26-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	DRPhos		0.036	mg/L	2-Aug-17	0.002	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	DRPhos		0.036	mg/L	2-Aug-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	DRPhos		0.038	mg/L	8-Aug-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	E. coli		12549	MPN/100 mL	11-Jul-17	1		SM9223 Colilert
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	E. coli		241	MPN/100 mL	18-Jul-17	1		SM9223 Colilert
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	E. coli		235	MPN/100 mL	18-Jul-17	1		SM9223 Colilert
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	E. coli		301	MPN/100 mL	25-Jul-17	1		SM9223 Colilert
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	E. coli		33	MPN/100 mL	1-Aug-17	1		SM9223 Colilert
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	E. coli		178	MPN/100 mL	8-Aug-17	1		SM9223 Colilert
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Fe		11830	ug/L	24-Jul-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Fe		759.7	ug/L	25-Jul-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Fe		905.5	ug/L	28-Jul-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Fe		683.6	ug/L	27-Jul-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Fe		356.2	ug/L	21-Aug-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Fe		497.6	ug/L	23-Aug-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Field Cond		533	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Field Cond		533	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Field Cond		580	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Field Cond		580	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Field Cond		841	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Field Cond		841	umhos/cm				SM 2510B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Field Cond		853	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Field Cond		853	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Field Cond		755.3	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Field Cond		755.3	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Field Cond		798.3	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Field Cond		798.3	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Field Cond		1085	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Field Cond		1085	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Field Cond		1112	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Field Cond		1112	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Field Cond		1021	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Field Cond		1021	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Field Cond		957	umhos/cm				SM 2510A
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Field Cond		957	umhos/cm				SM 2510B
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Field DO		8.11	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Field DO		8.11	mg/L				
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Field DO		90.7	%				SM 4500-0 G
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Field DO		90.7	%				
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Field DO		104	%				SM 4500-0 G
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Field DO		104	%				
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Field DO		8.7	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Field DO		8.7	mg/L				
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Field DO		8.3	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Field DO		8.3	mg/L				
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Field DO		95	%				SM 4500-0 G
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Field DO		95	%				
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Field DO		115	%				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Field DO		115	%				
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Field DO		9.7	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Field DO		9.7	mg/L				
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Field DO		8.7	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Field DO		8.7	mg/L				
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Field DO		99	%				SM 4500-0 G
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Field DO		99	%				
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Field Temp		20.8	C				EPA 170.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Field Temp		24.3	C				EPA 170.1
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Field Temp		22.2	C				EPA 170.1
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Field Temp		23.8	C				EPA 170.1
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Field Temp		21.7	C				EPA 170.1
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Hg	<	0.025	ug/L	19-Jul-17	0.025	0.05	EPA245.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Hg	<	0.025	ug/L	2-Aug-17	0.025	0.1	EPA 245.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Hg	<	0.025	ug/L	2-Aug-17	0.025	0.1	EPA245.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Hg	<	0.025	ug/L	2-Aug-17	0.025	0.1	EPA 245.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Hg	<	0.025	ug/L	2-Aug-17	0.025	0.1	EPA245.1
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Hg	<	0.025	ug/L	11-Aug-17	0.025	0.05	EPA 245.1
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Hg	<	0.025	ug/L	11-Aug-17	0.025	0.05	EPA245.1
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Hg	<	0.025	ug/L	22-Aug-17	0.025	0.05	EPA245.1
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Hg	<	0.025	ug/L	22-Aug-17	0.025	0.05	EPA245.1
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	K		4048	ug/L	24-Jul-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	K		4105	ug/L	25-Jul-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	K		4382	ug/L	28-Jul-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	K		4438	ug/L	27-Jul-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	K		6284	ug/L	21-Aug-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	K		5879	ug/L	23-Aug-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Mg		10940	ug/L	24-Jul-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Mg		12920	ug/L	25-Jul-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Mg		14410	ug/L	28-Jul-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Mg		13120	ug/L	27-Jul-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Mg		14920	ug/L	21-Aug-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Mg		16240	ug/L	23-Aug-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Mn		426.5	ug/L	24-Jul-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Mn		54.69	ug/L	25-Jul-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Mn		59.41	ug/L	28-Jul-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Mn		48.65	ug/L	27-Jul-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Mn		35.83	ug/L	21-Aug-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Mn		42.57	ug/L	23-Aug-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Mo		2.393	ug/L	24-Jul-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Mo		2.87	ug/L	25-Jul-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Mo		3.02	ug/L	28-Jul-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Mo		2.954	ug/L	27-Jul-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Mo		4.499	ug/L	21-Aug-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Mo		4.922	ug/L	23-Aug-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Na		54840	ug/L	24-Jul-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Na		70620	ug/L	25-Jul-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Na		73040	ug/L	28-Jul-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Na		74850	ug/L	27-Jul-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Na		105100	ug/L	23-Aug-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Na		104400	ug/L	23-Aug-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	NH3		0.025	mg/L		0.01	0.02	EPA350.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NH3	j	0.015	mg/L	20-Jul-17	0.01	0.02	EPA-350.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NH3	j	0.015	mg/L	20-Jul-17	0.01	0.02	EPA350.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	NH3	j	0.015	mg/L	20-Jul-17	0.01	0.02	EPA350.1
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NH3		0.069	mg/L	27-Jul-17	0.01	0.02	EPA-350.1
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NH3		0.069	mg/L	27-Jul-17	0.01	0.02	EPA350.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NH3	<	0.01	mg/L	3-Aug-17	0.01	0.02	EPA-350.1
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NH3	<	0.01	mg/L	3-Aug-17	0.01	0.02	EPA350.1
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NH3	j	0.012	mg/L	10-Aug-17	0.01	0.02	EPA-350.1
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NH3	j	0.012	mg/L	10-Aug-17	0.01	0.02	EPA350.1
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Ni		13.5	ug/L	24-Jul-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Ni	j	2.914	ug/L	25-Jul-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Ni	j	3.33	ug/L	28-Jul-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Ni	j	2.825	ug/L	27-Jul-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Ni	j	2.905	ug/L	21-Aug-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Ni	j	3.217	ug/L	23-Aug-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	NO2		0.044	mg/L	12-Jul-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	NO2		0.044	mg/L	12-Jul-17	0.005	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	NO2		0.044	mg/L	12-Jul-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO2	j	0.005	mg/L	19-Jul-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO2	j	0.005	mg/L	19-Jul-17	0.005	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO2	j	0.005	mg/L	19-Jul-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO2	j	0.005	mg/L	19-Jul-17	0.005	0.02	
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	NO2	<	0.005	mg/L	19-Jul-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	NO2	<	0.005	mg/L	19-Jul-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NO2		0.06	mg/L	26-Jul-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NO2		0.06	mg/L	26-Jul-17	0.005	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NO2		0.06	mg/L	26-Jul-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO2		0.092	mg/L	2-Aug-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO2		0.092	mg/L	2-Aug-17	0.005	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO2		0.092	mg/L	2-Aug-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO2		0.092	mg/L	2-Aug-17	0.005	0.02	
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NO2		0.03	mg/L	9-Aug-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NO2		0.03	mg/L	9-Aug-17	0.005	0.02	SM 4500-NO2-B
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NO2		0.03	mg/L	9-Aug-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	NO3		1.097	mg/L		0.01	0.02	EPA300.0
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	NO3		1.097	mg/L		0.01	0.02	EPA353.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO3		1.731	mg/L	20-Jul-17	0.01	0.02	EPA 353.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO3		1.731	mg/L	20-Jul-17	0.01	0.02	EPA300.0
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO3		1.731	mg/L	20-Jul-17	0.01	0.02	EPA353.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO3		1.731	mg/L	20-Jul-17	0.01	0.02	
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	NO3		1.752	mg/L	20-Jul-17	0.01	0.02	EPA300.0
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	NO3		1.752	mg/L	20-Jul-17	0.01	0.02	EPA353.2
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NO3		2.593	mg/L	27-Jul-17	0.02	0.04	EPA 353.2
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NO3		2.593	mg/L	27-Jul-17	0.02	0.04	EPA300.0
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NO3		2.593	mg/L	27-Jul-17	0.02	0.04	EPA353.2
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO3		4.184	mg/L	3-Aug-17	0.05	0.1	EPA 353.2
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO3		4.184	mg/L	3-Aug-17	0.05	0.1	EPA300.0

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO3		4.184	mg/L	3-Aug-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO3		4.184	mg/L	3-Aug-17	0.05	0.1	
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NO3		5.276	mg/L	10-Aug-17	0.05	0.1	EPA 353.2
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NO3		5.276	mg/L	10-Aug-17	0.05	0.1	EPA300.0
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NO3		5.276	mg/L	10-Aug-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	NO3+NO2		1.141	mg/L		0.01	0.02	EPA353.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO3+NO2		1.736	mg/L	20-Jul-17	0.01	0.02	EPA 353.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	NO3+NO2		1.736	mg/L	20-Jul-17	0.01	0.02	EPA353.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	NO3+NO2		1.752	mg/L	20-Jul-17	0.01	0.02	EPA353.2
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NO3+NO2		2.652	mg/L	27-Jul-17	0.02	0.04	EPA 353.2
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	NO3+NO2		2.652	mg/L	27-Jul-17	0.02	0.04	EPA353.2
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO3+NO2		4.276	mg/L	3-Aug-17	0.05	0.1	EPA 353.2
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	NO3+NO2		4.276	mg/L	3-Aug-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NO3+NO2		5.306	mg/L	10-Aug-17	0.05	0.1	EPA 353.2
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	NO3+NO2		5.306	mg/L	10-Aug-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Pb		16.35	ug/L	24-Jul-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Pb	j	0.965	ug/L	25-Jul-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Pb		1.071	ug/L	28-Jul-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Pb	j	0.699	ug/L	27-Jul-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Pb	j	0.298	ug/L	21-Aug-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Pb	j	0.489	ug/L	23-Aug-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	pH		7.7	S.U.				EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	pH		7.7	S.U.				
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	pH		8.1	S.U.				EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	pH		8.1	S.U.				
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	pH		8	S.U.				EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	pH		8	S.U.				
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	pH		8.3	S.U.				EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	pH		8.3	S.U.				
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	pH		8.2	S.U.				EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	pH		8.2	S.U.				
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Sb	<	0.794	ug/L	24-Jul-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Sb	<	0.794	ug/L	25-Jul-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Sb	<	0.794	ug/L	28-Jul-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Sb	<	0.794	ug/L	27-Jul-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Sb	<	0.794	ug/L	21-Aug-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Sb	<	0.794	ug/L	23-Aug-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Se	<	1.244	ug/L	24-Jul-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Se	<	1.244	ug/L	25-Jul-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Se	<	1.244	ug/L	28-Jul-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Se	<	1.244	ug/L	27-Jul-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Se	<	1.244	ug/L	21-Aug-17	1.244	5	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Se	<	1.244	ug/L	23-Aug-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Sn	<	1.336	ug/L	24-Jul-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Sn	<	1.336	ug/L	25-Jul-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Sn	<	1.336	ug/L	28-Jul-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Sn	<	1.336	ug/L	27-Jul-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Sn	<	1.336	ug/L	21-Aug-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Sn	<	1.336	ug/L	23-Aug-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	SO4		38.02	mg/L	4-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	SO4		46.16	mg/L	11-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	SO4		46.16	mg/L	11-Aug-17	0.5	5	
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	SO4		46.67	mg/L	11-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	SO4		47.91	mg/L	15-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	SO4		68.3	mg/L	25-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	SO4		68.3	mg/L	25-Aug-17	0.5	5	
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	SO4		67.66	mg/L	31-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Sr		182.294	ug/L	24-Jul-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Sr		209.163	ug/L	25-Jul-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Sr		217.912	ug/L	28-Jul-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Sr		237.389	ug/L	27-Jul-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Sr		252.947	ug/L	21-Aug-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Sr		257.6	ug/L	23-Aug-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	TDS		390	mg/L	12-Jul-17	1	5	SM2540 C
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	TDS		478	mg/L	20-Jul-17	1	5	SM2540 C
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	TDS		478	mg/L	20-Jul-17	1	5	SM2540C
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	TDS		512	mg/L	20-Jul-17	1	5	SM2540 C
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	TDS		488	mg/L	26-Jul-17	1	5	SM2540 C
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	TDS		646	mg/L	4-Aug-17	1	5	SM2540 C
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	TDS		610	mg/L	10-Aug-17	1	5	SM2540 C
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Ti		37.65	ug/L	24-Jul-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Ti		3.684	ug/L	25-Jul-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Ti		4.348	ug/L	28-Jul-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Ti		3.474	ug/L	27-Jul-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Ti	j	1.115	ug/L	21-Aug-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Ti		2.118	ug/L	23-Aug-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	TKN		1.464	mg/L	14-Jul-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	TKN		0.866	mg/L	21-Jul-17	0.237	0.5	EPA-351.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	TKN		0.866	mg/L	21-Jul-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	TKN		0.743	mg/L	21-Jul-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	TKN		0.791	mg/L	27-Jul-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	TKN		0.924	mg/L	4-Aug-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	TKN		0.764	mg/L	11-Aug-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Tl	<	0.196	ug/L	24-Jul-17	0.196	1	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Tl	<	0.196	ug/L	25-Jul-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Tl	<	0.196	ug/L	28-Jul-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Tl	<	0.196	ug/L	27-Jul-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Tl	<	0.196	ug/L	21-Aug-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Tl	<	0.196	ug/L	23-Aug-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	TMET		105.7	ug/L	24-Jul-17	10		EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	TMET		16.7	ug/L	25-Jul-17	10		EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	TMET		17.9	ug/L	28-Jul-17	10		EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	TMET		15.2	ug/L	27-Jul-17	10		EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	TMET		15.9	ug/L	21-Aug-17	10		EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	TMET		18.2	ug/L	23-Aug-17	10		EPA200.8
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Total-P		0.299	mg/L	12-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Total-P		0.07	mg/L	19-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Total-P		0.07	mg/L	19-Jul-17	0.002	0.01	EPA 365.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Total-P		0.07	mg/L	19-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Total-P		0.077	mg/L	26-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Total-P		0.084	mg/L	3-Aug-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Total-P		0.07	mg/L	9-Aug-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	TS		816	mg/L	11-Jul-17	1	5	SM2540 B
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	TS		492	mg/L	18-Jul-17	1	5	SM2540 B
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	TS		556	mg/L	18-Jul-17	1	5	SM2540 B
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	TS		568	mg/L	25-Jul-17	1	5	SM2540 B
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	TS		720	mg/L	1-Aug-17	1	5	SM2540 B
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	TS		692	mg/L	8-Aug-17	1	5	SM2540 B
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	TSS		396	mg/L	12-Jul-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	TSS		18.2	mg/L	19-Jul-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	TSS		21.4	mg/L	19-Jul-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	TSS		11.5	mg/L	26-Jul-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	TSS		4.9	mg/L	4-Aug-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	TSS		6.7	mg/L	10-Aug-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Turbidity		203	NTU				EPA180.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Turbidity		13.5	NTU				EPA180.1
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Turbidity		11.7	NTU				EPA180.1
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Turbidity		9.8	NTU				EPA180.1
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Turbidity		3	NTU				EPA180.1
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Turbidity		5.5	NTU				EPA180.1
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	V	j	8.242	ug/L	24-Jul-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	V	<	4.138	ug/L	25-Jul-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	V	<	4.138	ug/L	28-Jul-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	V	<	4.138	ug/L	27-Jul-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	V	<	4.138	ug/L	21-Aug-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	V	<	4.138	ug/L	23-Aug-17	4.138	10	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 12.10	7/11/2017 12:05	R-1707070007	Zn		67.84	ug/L	24-Jul-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130003	Zn	j	8.348	ug/L	25-Jul-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/18/2017 13:15	R-1707130011	Zn	j	8.936	ug/L	28-Jul-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 12.10	7/25/2017 12:31	R-1707210008	Zn	j	7.552	ug/L	27-Jul-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/1/2017 11:55	R-1707310006	Zn	j	8.39	ug/L	21-Aug-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 12.10	8/8/2017 11:20	R-1708070004	Zn		10.25	ug/L	23-Aug-17	0.626	10	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	*CaCO3		170	mg/LCaCO3	24-Jul-17	1		EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	*CaCO3		209	mg/LCaCO3	28-Jul-17	1		EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	*CaCO3		205	mg/LCaCO3	31-Jul-17	1		EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	*CaCO3		202	mg/LCaCO3	31-Jul-17	1		EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	*CaCO3		250	mg/LCaCO3	21-Aug-17	1		EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	*CaCO3		219	mg/LCaCO3	23-Aug-17	1		EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Ag	<	0.254	ug/L	24-Jul-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Ag	<	0.254	ug/L	28-Jul-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Ag	<	0.254	ug/L	31-Jul-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Ag	<	0.254	ug/L	31-Jul-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Ag	<	0.254	ug/L	21-Aug-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Ag	<	0.254	ug/L	23-Aug-17	0.254	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Al		4193	ug/L	24-Jul-17	5	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Al		165.2	ug/L	31-Jul-17	5	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Al		164.9	ug/L	31-Jul-17	5	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Al		108.5	ug/L	31-Jul-17	5	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Al		91.66	ug/L	5-Sep-17	5	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Al		65.49	ug/L	5-Sep-17	5	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Alkalinity		89.3	mg/LCaCO3	20-Jul-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Alkalinity		136.7	mg/LCaCO3	21-Jul-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Alkalinity		133.9	mg/LCaCO3	1-Aug-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Alkalinity		131.5	mg/LCaCO3	1-Aug-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Alkalinity		149.8	mg/LCaCO3	3-Aug-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Alkalinity		137.1	mg/LCaCO3	9-Aug-17	4.4	10	EPA310.2
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	As		6.859	ug/L	24-Jul-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	As	j	1.901	ug/L	28-Jul-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	As	j	2.222	ug/L	31-Jul-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	As	<	1.164	ug/L	31-Jul-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	As	j	1.759	ug/L	21-Aug-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	As	<	1.164	ug/L	23-Aug-17	1.164	4	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Ba		66.84	ug/L	24-Jul-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Ba		40.79	ug/L	28-Jul-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Ba		39.75	ug/L	31-Jul-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Ba		38.56	ug/L	31-Jul-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Ba		39.69	ug/L	21-Aug-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Ba		39.22	ug/L	23-Aug-17	0.268	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Be	j	0.326	ug/L	24-Jul-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Be	<	0.188	ug/L	28-Jul-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Be	<	0.188	ug/L	31-Jul-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Be	<	0.188	ug/L	31-Jul-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Be	j	0.246	ug/L	21-Aug-17	0.188	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Be	<	0.188	ug/L	23-Aug-17	0.188	1	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	BOD		4.8	mg/L	11-Jul-17	2		SM5210 B
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	BOD		2.1	mg/L	19-Jul-17	2		SM5210 B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	BOD	<	2	mg/L	25-Jul-17	2		SM5210 B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	BOD	<	2	mg/L	25-Jul-17	2		SM5210 B
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	BOD	<	2	mg/L	1-Aug-17	2		SM5210 B
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	BOD	<	2	mg/L	8-Aug-17	2		SM5210 B
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Ca		50130	ug/L	24-Jul-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Ca		59790	ug/L	28-Jul-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Ca		60410	ug/L	31-Jul-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Ca		59600	ug/L	31-Jul-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Ca		75270	ug/L	21-Aug-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Ca		62540	ug/L	23-Aug-17	56.43	250	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Cd	j	0.271	ug/L	24-Jul-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Cd	<	0.106	ug/L	28-Jul-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Cd	<	0.106	ug/L	31-Jul-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Cd	<	0.106	ug/L	31-Jul-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Cd	j	0.175	ug/L	21-Aug-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Cd	<	0.106	ug/L	23-Aug-17	0.106	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Chloride	AE		mg/L		2	5	EPA300.0
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Chloride		126.3	mg/L	9-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Chloride		132.1	mg/L	11-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Chloride		133	mg/L	11-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Chloride		164.9	mg/L	15-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Chloride		161.3	mg/L	31-Aug-17	2	5	EPA300.0
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Co		5.294	ug/L	24-Jul-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Co	j	0.517	ug/L	28-Jul-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Co	j	0.435	ug/L	31-Jul-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Co	j	0.41	ug/L	31-Jul-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Co	j	0.682	ug/L	21-Aug-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Co	j	0.515	ug/L	23-Aug-17	0.072	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	COD		36.7	mg/L	17-Jul-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	COD		17.4	mg/L	2-Aug-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	COD		12.8	mg/L	2-Aug-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	COD		13.9	mg/L	2-Aug-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	COD		13.9	mg/L	9-Aug-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	COD		12	mg/L	23-Aug-17	4.6	10	EPA410.4
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Conduct		648.6	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Conduct		831	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Conduct		847.8	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Conduct		851.1	uS/cm	31-Jul-17	0.5	1.1	SM 2510B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Conduct		851.1	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Conduct		1026	uS/cm	25-Aug-17	0.5	1.1	SM2510 B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Conduct		971.4	uS/cm	25-Aug-17	0.5	1.1	SM 2510B
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Conduct		971.4	uS/cm	25-Aug-17	0.5	1.1	SM2510 B
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Cr		7.932	ug/L	24-Jul-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Cr	j	1.717	ug/L	28-Jul-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Cr	j	1.716	ug/L	31-Jul-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Cr	j	1.678	ug/L	31-Jul-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Cr	j	1.929	ug/L	21-Aug-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Cr	j	1.509	ug/L	23-Aug-17	0.954	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Cu		18.38	ug/L	24-Jul-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Cu		4.204	ug/L	28-Jul-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Cu		3.841	ug/L	31-Jul-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Cu		3.34	ug/L	31-Jul-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Cu		4.49	ug/L	21-Aug-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Cu		3.584	ug/L	23-Aug-17	0.22	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	DRPhos		0.048	mg/L	12-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	DRPhos		0.081	mg/L	18-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	DRPhos		0.085	mg/L	26-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	DRPhos		0.086	mg/L	26-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	DRPhos		0.247	mg/L	2-Aug-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	DRPhos		0.131	mg/L	8-Aug-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	E. coli		21420	MPN/100 mL	11-Jul-17	1		SM9223 Colilert
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	E. coli		385	MPN/100 mL	18-Jul-17	1		SM9223 Colilert
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	E. coli		288	MPN/100 mL	25-Jul-17	1		SM9223 Colilert
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	E. coli		260	MPN/100 mL	25-Jul-17	1		SM9223 Colilert
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	E. coli		50	MPN/100 mL	1-Aug-17	1		SM9223 Colilert
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	E. coli		161	MPN/100 mL	8-Aug-17	1		SM9223 Colilert
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Fe		11440	ug/L	24-Jul-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Fe		702.1	ug/L	28-Jul-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Fe		596.3	ug/L	31-Jul-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Fe		536.4	ug/L	31-Jul-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Fe		527.5	ug/L	21-Aug-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Fe		447.5	ug/L	23-Aug-17	4.208	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Field Cond		578	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Field Cond		578	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Field Cond		631	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Field Cond		631	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Field Cond		883	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Field Cond		883	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Field Cond		916	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Field Cond		916	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Field Cond		785	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Field Cond		785	umhos/cm				SM 2510B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Field Cond		839.7	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Field Cond		839.7	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Field Cond		1064	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Field Cond		1064	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Field Cond		1102	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Field Cond		1102	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Field Cond		909	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Field Cond		909	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Field Cond		971	umhos/cm				SM 2510A
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Field Cond		971	umhos/cm				SM 2510B
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Field DO		7.88	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Field DO		7.88	mg/L				
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Field DO		87.6	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Field DO		87.6	%				
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Field DO		7.5	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Field DO		7.5	mg/L				
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Field DO		88	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Field DO		88	%				
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Field DO		7.7	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Field DO		7.7	mg/L				
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Field DO		88	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Field DO		88	%				
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Field DO		7.8	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Field DO		7.8	mg/L				
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Field DO		91	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Field DO		91	%				
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Field DO		7.8	mg/L				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Field DO		7.8	mg/L				
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Field DO		88	%				SM 4500-0 G
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Field DO		88	%				
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Field Temp		20.6	C				EPA 170.1
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Field Temp		23.1	C				EPA 170.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Field Temp		21.6	C				EPA 170.1
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Field Temp		23.2	C				EPA 170.1
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Field Temp		21.7	C				EPA 170.1
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Hg	<	0.025	ug/L	19-Jul-17	0.025	0.05	EPA245.1
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Hg	<	0.025	ug/L	2-Aug-17	0.025	0.1	EPA245.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Hg	<	0.025	ug/L	9-Aug-17	0.025	0.1	EPA245.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Hg	<	0.025	ug/L	9-Aug-17	0.025	0.1	EPA245.1
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Hg	j	0.033	ug/L	22-Aug-17	0.025	0.05	EPA245.1
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Hg	<	0.025	ug/L	22-Aug-17	0.025	0.05	EPA245.1
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	K		5036	ug/L	24-Jul-17	107.6	500	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	K		5531	ug/L	28-Jul-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	K		6066	ug/L	31-Jul-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	K		5755	ug/L	31-Jul-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	K		8519	ug/L	21-Aug-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	K		6772	ug/L	23-Aug-17	107.6	500	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Mg		10930	ug/L	24-Jul-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Mg		14430	ug/L	28-Jul-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Mg		13100	ug/L	31-Jul-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Mg		12940	ug/L	31-Jul-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Mg		15130	ug/L	21-Aug-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Mg		15340	ug/L	23-Aug-17	24.11	250	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Mn		421.5	ug/L	24-Jul-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Mn		54.56	ug/L	28-Jul-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Mn		40.55	ug/L	31-Jul-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Mn		39.59	ug/L	31-Jul-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Mn		40.09	ug/L	21-Aug-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Mn		44.11	ug/L	23-Aug-17	0.254	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Mo		2.923	ug/L	24-Jul-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Mo		3.334	ug/L	28-Jul-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Mo		3.667	ug/L	31-Jul-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Mo		3.648	ug/L	31-Jul-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Mo		5.472	ug/L	21-Aug-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Mo		4.895	ug/L	23-Aug-17	0.238	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Na		67180	ug/L	24-Jul-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Na		82920	ug/L	28-Jul-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Na		82290	ug/L	31-Jul-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Na		84460	ug/L	31-Jul-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Na		94740	ug/L	23-Aug-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Na		98120	ug/L	23-Aug-17	43.67	500	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	NH3		0.072	mg/L		0.01	0.02	EPA350.1
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	NH3		0.038	mg/L	20-Jul-17	0.01	0.02	EPA350.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	NH3		0.05	mg/L	27-Jul-17	0.01	0.02	EPA350.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	NH3		0.05	mg/L	27-Jul-17	0.01	0.02	EPA350.1
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	NH3		0.192	mg/L	3-Aug-17	0.01	0.02	EPA350.1
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	NH3		0.026	mg/L	10-Aug-17	0.01	0.02	EPA350.1
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Ni		14.94	ug/L	24-Jul-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Ni		4.547	ug/L	28-Jul-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Ni	j	3.875	ug/L	31-Jul-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Ni	j	3.784	ug/L	31-Jul-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Ni		5.034	ug/L	21-Aug-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Ni		5.33	ug/L	23-Aug-17	0.208	4	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	NO2		0.047	mg/L	12-Jul-17	0.005	0.02	EPA300.0

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	NO2		0.047	mg/L	12-Jul-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	NO2	j	0.01	mg/L	19-Jul-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	NO2	j	0.01	mg/L	19-Jul-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	NO2		0.04	mg/L	26-Jul-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	NO2		0.04	mg/L	26-Jul-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	NO2		0.039	mg/L	26-Jul-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	NO2		0.039	mg/L	26-Jul-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	NO2		0.112	mg/L	2-Aug-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	NO2		0.112	mg/L	2-Aug-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	NO2	j	0.008	mg/L	9-Aug-17	0.005	0.02	EPA300.0
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	NO2	j	0.008	mg/L	9-Aug-17	0.005	0.02	SM4500-NO2 B
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	NO3		1.891	mg/L		0.01	0.02	EPA300.0
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	NO3		1.891	mg/L		0.01	0.02	EPA353.2
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	NO3		3.351	mg/L	20-Jul-17	0.02	0.04	EPA300.0
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	NO3		3.351	mg/L	20-Jul-17	0.02	0.04	EPA353.2
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	NO3		4.516	mg/L	27-Jul-17	0.05	0.1	EPA300.0
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	NO3		4.516	mg/L	27-Jul-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	NO3		4.428	mg/L	27-Jul-17	0.05	0.1	EPA300.0
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	NO3		4.428	mg/L	27-Jul-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	NO3		6.013	mg/L	3-Aug-17	0.05	0.1	EPA300.0
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	NO3		6.013	mg/L	3-Aug-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	NO3		5.988	mg/L	10-Aug-17	0.05	0.1	EPA300.0
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	NO3		5.988	mg/L	10-Aug-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	NO3+NO2		1.938	mg/L		0.01	0.02	EPA353.2
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	NO3+NO2		3.351	mg/L	20-Jul-17	0.02	0.04	EPA353.2
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	NO3+NO2		4.556	mg/L	27-Jul-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	NO3+NO2		4.467	mg/L	27-Jul-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	NO3+NO2		6.125	mg/L	3-Aug-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	NO3+NO2		5.996	mg/L	10-Aug-17	0.05	0.1	EPA353.2
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Pb		15.11	ug/L	24-Jul-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Pb		1.143	ug/L	28-Jul-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Pb	j	0.774	ug/L	31-Jul-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Pb	j	0.706	ug/L	31-Jul-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Pb	j	0.751	ug/L	21-Aug-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Pb	j	0.5	ug/L	23-Aug-17	0.168	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	pH		7.46	S.U.				EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	pH		7.46	S.U.				
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	pH		7.6	S.U.				EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	pH		7.6	S.U.				
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	pH		7.7	S.U.				EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	pH		7.7	S.U.				
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	pH		7.9	S.U.				EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	pH		7.9	S.U.				
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	pH		7.8	S.U.				EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	pH		7.8	S.U.				
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Sb	<	0.794	ug/L	24-Jul-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Sb	<	0.794	ug/L	28-Jul-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Sb	<	0.794	ug/L	31-Jul-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Sb	j	1.615	ug/L	31-Jul-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Sb	<	0.794	ug/L	21-Aug-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Sb	<	0.794	ug/L	23-Aug-17	0.794	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Se	<	1.244	ug/L	24-Jul-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Se	<	1.244	ug/L	28-Jul-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Se	<	1.244	ug/L	31-Jul-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Se	<	1.244	ug/L	31-Jul-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Se	<	1.244	ug/L	21-Aug-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Se	<	1.244	ug/L	23-Aug-17	1.244	5	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Sn	<	1.336	ug/L	24-Jul-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Sn	<	1.336	ug/L	28-Jul-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Sn	<	1.336	ug/L	31-Jul-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Sn	<	1.336	ug/L	31-Jul-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Sn		16.24	ug/L	21-Aug-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Sn	<	1.336	ug/L	23-Aug-17	1.336	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	SO4	AE		mg/L		0.5	5	EPA300.0
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	SO4		52.23	mg/L	9-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	SO4		52.08	mg/L	11-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	SO4		52.07	mg/L	11-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	SO4		70.75	mg/L	15-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	SO4		68.37	mg/L	31-Aug-17	0.5	5	EPA300.0
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Sr		191.927	ug/L	24-Jul-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Sr		239.819	ug/L	28-Jul-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Sr		263.549	ug/L	31-Jul-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Sr		263.226	ug/L	31-Jul-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Sr		268.311	ug/L	21-Aug-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Sr		259.106	ug/L	23-Aug-17	0.132	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	TDS		398	mg/L	14-Jul-17	1	5	SM2540 C
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	TDS		538	mg/L	20-Jul-17	1	5	SM2540 C
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	TDS		524	mg/L	26-Jul-17	1	5	SM2540 C
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	TDS		458	mg/L	26-Jul-17	1	5	SM2540 C
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	TDS		636	mg/L	4-Aug-17	1	5	SM2540 C
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	TDS		586	mg/L	10-Aug-17	1	5	SM2540 C
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Ti		32.02	ug/L	24-Jul-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Ti		3.495	ug/L	28-Jul-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Ti		3.524	ug/L	31-Jul-17	0.474	2	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Ti		2.751	ug/L	31-Jul-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Ti		3.241	ug/L	21-Aug-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Ti		2.348	ug/L	23-Aug-17	0.474	2	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	TKN		1.167	mg/L	14-Jul-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	TKN		0.782	mg/L	21-Jul-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	TKN		0.861	mg/L	27-Jul-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	TKN		0.791	mg/L	27-Jul-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	TKN		0.897	mg/L	4-Aug-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	TKN		0.738	mg/L	11-Aug-17	0.237	0.5	EPA351.2
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Tl	<	0.196	ug/L	24-Jul-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Tl	<	0.196	ug/L	28-Jul-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Tl	<	0.196	ug/L	31-Jul-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Tl	<	0.196	ug/L	31-Jul-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Tl	<	0.196	ug/L	21-Aug-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Tl	<	0.196	ug/L	23-Aug-17	0.196	1	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	TMET		105.8	ug/L	24-Jul-17	10		EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	TMET		20.2	ug/L	28-Jul-17	10		EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	TMET		17.1	ug/L	31-Jul-17	10		EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	TMET		15.4	ug/L	31-Jul-17	10		EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	TMET		216.9	ug/L	21-Aug-17	10		EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	TMET		19.4	ug/L	23-Aug-17	10		EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Total-P		0.424	mg/L	14-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Total-P		0.122	mg/L	19-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Total-P		0.119	mg/L	27-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Total-P		0.12	mg/L	27-Jul-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Total-P		0.308	mg/L	3-Aug-17	0.002	0.01	EPA 365.1
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Total-P		0.308	mg/L	3-Aug-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Total-P		0.179	mg/L	10-Aug-17	0.002	0.01	EPA365.1
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	TS		992	mg/L	11-Jul-17	1	5	SM2540 B
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	TS		520	mg/L	18-Jul-17	1	5	SM2540 B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	TS		532	mg/L	25-Jul-17	1	5	SM2540 B
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	TS		548	mg/L	25-Jul-17	1	5	SM2540 B
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	TS		724	mg/L	1-Aug-17	1	5	SM2540 B
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	TS		636	mg/L	8-Aug-17	1	5	SM2540 B
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	TSS		403	mg/L	12-Jul-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	TSS		21.8	mg/L	19-Jul-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	TSS		12.7	mg/L	26-Jul-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	TSS		10.8	mg/L	26-Jul-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	TSS		5.2	mg/L	4-Aug-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	TSS		7.7	mg/L	10-Aug-17	0.5	1	SM2540 D
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Turbidity		393	NTU				EPA180.1
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Turbidity		18	NTU				EPA180.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Turbidity		13.1	NTU				EPA180.1
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Turbidity		13.1	NTU				EPA180.1
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Turbidity		3.5	NTU				EPA180.1
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Turbidity		5.1	NTU				EPA180.1
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	V	j	8.422	ug/L	24-Jul-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	V	<	4.138	ug/L	28-Jul-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	V	<	4.138	ug/L	31-Jul-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	V	<	4.138	ug/L	31-Jul-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	V	<	4.138	ug/L	21-Aug-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	V	<	4.138	ug/L	23-Aug-17	4.138	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/11/2017 9:15	R-1707070012	Zn		64.58	ug/L	24-Jul-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/18/2017 9:25	R-1707130008	Zn	j	9.709	ug/L	28-Jul-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210013	Zn	j	7.659	ug/L	31-Jul-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 7.00	7/25/2017 9:26	R-1707210014	Zn	j	6.6	ug/L	31-Jul-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/1/2017 9:15	R-1707310011	Zn		205.4	ug/L	21-Aug-17	0.626	10	EPA200.8
Cuyahoga River	River Mile 7.00	8/8/2017 9:00	R-1708070009	Zn	j	8.942	ug/L	23-Aug-17	0.626	10	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	*CaCO3		221	mg/LCaCO3	27-Jun-17	1		EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	*CaCO3		132	mg/LCaCO3	29-Jun-17	1		EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	*CaCO3		133	mg/LCaCO3	29-Jun-17	1		EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	*CaCO3		173	mg/LCaCO3	24-Jul-17	1		EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	*CaCO3		202	mg/LCaCO3	12-Jul-17	1		EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	*CaCO3		152	mg/LCaCO3	24-Jul-17	1		EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Ag	<	0.254	ug/L	27-Jun-17	0.254	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Ag	<	0.254	ug/L	29-Jun-17	0.254	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Ag	<	0.254	ug/L	29-Jun-17	0.254	1	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Ag	<	0.254	ug/L	12-Jul-17	0.254	1	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Ag		2.229	ug/L	12-Jul-17	0.254	1	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Ag	<	0.254	ug/L	24-Jul-17	0.254	1	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Al		40.37	ug/L	27-Jun-17	5	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Al		56.63	ug/L	29-Jun-17	5	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Al		68.47	ug/L	29-Jun-17	5	10	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Al		61.04	ug/L	12-Jul-17	5	10	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Al		54.89	ug/L	12-Jul-17	5	10	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Al		20.89	ug/L	24-Jul-17	5	10	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Alkalinity		124.4	mg/LCaCO3	21-Jun-17	4.4	10	EPA310.2
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Alkalinity		98.6	mg/LCaCO3	22-Jun-17	4.4	10	EPA310.2
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Alkalinity		97.8	mg/LCaCO3	22-Jun-17	4.4	10	EPA310.2
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Alkalinity		111.4	mg/LCaCO3	6-Jul-17	4.4	10	EPA310.2
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Alkalinity		127.9	mg/LCaCO3	6-Jul-17	4.4	10	EPA310.2
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Alkalinity		107.7	mg/LCaCO3	20-Jul-17	4.4	10	EPA310.2
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	As	<	1.164	ug/L	27-Jun-17	1.164	4	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	As	<	1.164	ug/L	29-Jun-17	1.164	4	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	As	<	1.164	ug/L	29-Jun-17	1.164	4	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	As	<	1.164	ug/L	12-Jul-17	1.164	4	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	As	j	1.73	ug/L	12-Jul-17	1.164	4	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	As	<	1.164	ug/L	24-Jul-17	1.164	4	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Ba		33.01	ug/L	27-Jun-17	0.268	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Ba		18.47	ug/L	29-Jun-17	0.268	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Ba		18.9	ug/L	29-Jun-17	0.268	1	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Ba		23.07	ug/L	12-Jul-17	0.268	1	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Ba		27.36	ug/L	12-Jul-17	0.268	1	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Ba		19.84	ug/L	24-Jul-17	0.268	1	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Be	<	0.188	ug/L	27-Jun-17	0.188	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Be	<	0.188	ug/L	29-Jun-17	0.188	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Be	<	0.188	ug/L	29-Jun-17	0.188	1	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Be	<	0.188	ug/L	12-Jul-17	0.188	1	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Be		1.718	ug/L	12-Jul-17	0.188	1	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Be	<	0.188	ug/L	24-Jul-17	0.188	1	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	BOD	<	2	mg/L	16-Jun-17	2		SM5210 B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	BOD	<	2	mg/L	21-Jun-17	2		SM5210 B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	BOD	<	2	mg/L	21-Jun-17	2		SM5210 B
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	BOD	<	2	mg/L	29-Jun-17	2		SM5210 B
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	BOD	<	2	mg/L	5-Jul-17	2		SM5210 B
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	BOD	<	2	mg/L	12-Jul-17	2		SM 5210
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	BOD	<	2	mg/L	12-Jul-17	2		SM5210 B
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Ca		63280	ug/L	27-Jun-17	56.43	250	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Ca		37960	ug/L	29-Jun-17	56.43	250	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Ca		38350	ug/L	29-Jun-17	56.43	250	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Ca		50500	ug/L	24-Jul-17	56.43	250	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Ca		59080	ug/L	12-Jul-17	56.43	250	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Ca		44870	ug/L	24-Jul-17	56.43	250	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Cd	<	0.106	ug/L	27-Jun-17	0.106	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Cd	<	0.106	ug/L	29-Jun-17	0.106	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Cd	<	0.106	ug/L	29-Jun-17	0.106	1	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Cd	<	0.106	ug/L	12-Jul-17	0.106	1	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Cd		2.897	ug/L	12-Jul-17	0.106	1	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Cd	<	0.106	ug/L	24-Jul-17	0.106	1	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Chloride	AE		mg/L		2	5	EPA300.0
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Chloride		136.3	mg/L	17-Jul-17	2	5	EPA300.0
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Chloride		136.8	mg/L	17-Jul-17	2	5	EPA300.0
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Chloride	AE		mg/L	17-Jul-17	2	5	EPA300.0
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Chloride		176.8	mg/L	29-Jul-17	2	5	EPA300.0
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Chloride		176.8	mg/L	29-Jul-17	2	5	
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Chloride		132.7	mg/L	9-Aug-17	2	5	EPA300.0
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Co	j	0.288	ug/L	27-Jun-17	0.072	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Co	j	0.258	ug/L	29-Jun-17	0.072	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Co	j	0.253	ug/L	29-Jun-17	0.072	1	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Co	j	0.307	ug/L	12-Jul-17	0.072	1	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Co		2.708	ug/L	12-Jul-17	0.072	1	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Co	j	0.162	ug/L	24-Jul-17	0.072	1	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	COD		14.7	mg/L	26-Jun-17	4.6	10	EPA410.4
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	COD		11.7	mg/L	27-Jun-17	4.6	10	EPA410.4
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	COD	<	4.6	mg/L	27-Jun-17	4.6	10	EPA410.4
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	COD	j	6.3	mg/L	30-Jun-17	4.6	10	EPA410.4
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	COD	j	9.8	mg/L	7-Jul-17	4.6	10	EPA410.4
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	COD	j	4.9	mg/L	17-Jul-17	4.6	10	EPA410.4
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Conduct		1223	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Conduct		724	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Conduct		732	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Conduct		921	uS/cm	11-Jul-17	0.5	1.1	SM2510 B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Conduct		977	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Conduct		761	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Cr	j	1.492	ug/L	27-Jun-17	0.954	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Cr	j	1.225	ug/L	29-Jun-17	0.954	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Cr	j	1.266	ug/L	29-Jun-17	0.954	2	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Cr	j	1.579	ug/L	12-Jul-17	0.954	2	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Cr		3.157	ug/L	12-Jul-17	0.954	2	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Cr	j	1.105	ug/L	24-Jul-17	0.954	2	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Cu		3.589	ug/L	27-Jun-17	0.22	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Cu		2.796	ug/L	29-Jun-17	0.22	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Cu		2.914	ug/L	29-Jun-17	0.22	2	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Cu		2.44	ug/L	12-Jul-17	0.22	2	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Cu		4.537	ug/L	12-Jul-17	0.22	2	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Cu		2.552	ug/L	24-Jul-17	0.22	2	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	DRPhos		0.016	mg/L	16-Jun-17	0.002	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	DRPhos		0.016	mg/L	16-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	DRPhos		0.043	mg/L	21-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	DRPhos		0.039	mg/L	21-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	DRPhos		0.032	mg/L	28-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	DRPhos		0.022	mg/L	5-Jul-17	0.002	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	DRPhos		0.022	mg/L	5-Jul-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	DRPhos		0.029	mg/L	12-Jul-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	E. coli		3470	MPN/100 mL	15-Jun-17	1		SM9223 Colilert
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	E. coli		922	MPN/100 mL	21-Jun-17	1		SM9223 Colilert
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	E. coli		826	MPN/100 mL	21-Jun-17	1		SM9223 Colilert
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	E. coli		496	MPN/100 mL	28-Jun-17	1		SM9223 Colilert
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	E. coli		1232	MPN/100 mL	5-Jul-17	1		SM9223 Colilert
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	E. coli		1012	MPN/100 mL	12-Jul-17	1		SM9223 Colilert
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Fe		321.4	ug/L	27-Jun-17	4.208	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Fe		251.4	ug/L	29-Jun-17	4.208	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Fe		255.7	ug/L	29-Jun-17	4.208	10	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Fe		327.9	ug/L	24-Jul-17	4.208	10	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Fe		390	ug/L	12-Jul-17	4.208	10	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Fe		188.2	ug/L	24-Jul-17	4.208	10	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Field Cond		1176	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Field Cond		1176	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Field Cond		1236	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Field Cond		1236	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Field Cond		639.5	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Field Cond		639.5	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Field Cond		721.9	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Field Cond		721.9	umhos/cm				SM 2510B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Field Cond		799	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Field Cond		799	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Field Cond		925	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Field Cond		925	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Field Cond		851	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Field Cond		851	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Field Cond		940.7	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Field Cond		940.7	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Field Cond		714	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Field Cond		714	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Field Cond		757	umhos/cm				SM 2510A
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Field Cond		757	umhos/cm				SM 2510B
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Field DO		7.9	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Field DO		7.9	mg/L				
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Field DO		91	%				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Field DO		91	%				
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Field DO		8.84	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Field DO		8.84	mg/L				
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Field DO		95.6	%				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Field DO		95.6	%				
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Field DO		9.54	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Field DO		9.54	mg/L				
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Field DO		99.5	%				SM 4500-0 G
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Field DO		99.5	%				
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Field DO		8.8	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Field DO		8.8	mg/L				
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Field DO		97	%				SM 4500-0 G
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Field DO		97	%				
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Field DO		8.3	mg/L				SM 4500-0 G
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Field DO		8.3	mg/L				
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Field DO		95	%				SM 4500-0 G
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Field DO		95	%				
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Field Temp		22.5	C				EPA 170.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Field Temp		19	C				EPA 170.1
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Field Temp		16.7	C				EPA 170.1
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Field Temp		20	C				EPA 170.1
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Field Temp		22	C				EPA 170.1
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Hg	<	0.025	ug/L	22-Jun-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Hg	<	0.025	ug/L	28-Jun-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Hg	<	0.025	ug/L	28-Jun-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Hg	<	0.025	ug/L	12-Jul-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Hg	<	0.025	ug/L	19-Jul-17	0.025	0.05	EPA245.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Hg	<	0.025	ug/L	24-Jul-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	K		4489	ug/L	27-Jun-17	107.6	500	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	K		2775	ug/L	29-Jun-17	107.6	500	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	K		2913	ug/L	29-Jun-17	107.6	500	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	K		3414	ug/L	12-Jul-17	107.6	500	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	K		4659	ug/L	12-Jul-17	107.6	500	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	K		3245	ug/L	24-Jul-17	107.6	500	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Mg		15360	ug/L	27-Jun-17	24.11	250	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Mg		9079	ug/L	29-Jun-17	24.11	250	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Mg		8996	ug/L	29-Jun-17	24.11	250	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Mg		11440	ug/L	12-Jul-17	24.11	250	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Mg		13140	ug/L	12-Jul-17	24.11	250	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Mg		9667	ug/L	24-Jul-17	24.11	250	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Mn		16.7	ug/L	27-Jun-17	0.254	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Mn		12.04	ug/L	29-Jun-17	0.254	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Mn		12.23	ug/L	29-Jun-17	0.254	2	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Mn		17.73	ug/L	12-Jul-17	0.254	2	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Mn		18.46	ug/L	12-Jul-17	0.254	2	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Mn		9.714	ug/L	24-Jul-17	0.254	2	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Mo		3.478	ug/L	27-Jun-17	0.238	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Mo		2.746	ug/L	29-Jun-17	0.238	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Mo		2.756	ug/L	29-Jun-17	0.238	1	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Mo		2.592	ug/L	12-Jul-17	0.238	1	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Mo		4.038	ug/L	12-Jul-17	0.238	1	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Mo		2.928	ug/L	24-Jul-17	0.238	1	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Na		149000	ug/L	27-Jun-17	43.67	500	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Na		84880	ug/L	29-Jun-17	43.67	500	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Na		84490	ug/L	29-Jun-17	43.67	500	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Na		114200	ug/L	12-Jul-17	43.67	500	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Na		114400	ug/L	12-Jul-17	43.67	500	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Na		96720	ug/L	24-Jul-17	43.67	500	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	NH3	j	0.013	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	NH3	j	0.01	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	NH3	<	0.01	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	NH3	<	0.01	mg/L	29-Jun-17	0.01	0.02	EPA350.1
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	NH3	<	0.01	mg/L		0.01	0.02	EPA350.1
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	NH3	<	0.01	mg/L		0.01	0.02	EPA-350.1
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	NH3	<	0.01	mg/L		0.01	0.02	EPA350.1
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Ni	j	3.28	ug/L	27-Jun-17	0.208	4	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Ni	j	2.346	ug/L	29-Jun-17	0.208	4	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Ni	j	2.285	ug/L	29-Jun-17	0.208	4	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Ni	j	2.603	ug/L	12-Jul-17	0.208	4	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Ni		5.112	ug/L	12-Jul-17	0.208	4	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Ni	j	2.075	ug/L	24-Jul-17	0.208	4	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	NO2	<	0.005	mg/L	16-Jun-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	NO2	<	0.005	mg/L	16-Jun-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	NO2	<	0.005	mg/L	21-Jun-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	NO2	<	0.005	mg/L	21-Jun-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	NO2	<	0.005	mg/L	21-Jun-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	NO2	<	0.005	mg/L	21-Jun-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	NO2	<	0.005	mg/L	28-Jun-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	NO2	<	0.005	mg/L	28-Jun-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	NO2	<	0.005	mg/L	5-Jul-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	NO2	<	0.005	mg/L	5-Jul-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	NO2	<	0.005	mg/L	5-Jul-17	0.005	0.02	
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	NO2	<	0.005	mg/L	12-Jul-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	NO2	<	0.005	mg/L	12-Jul-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	NO3		0.81	mg/L	22-Jun-17	0.01	0.02	EPA300.0
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	NO3		0.81	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	NO3		0.722	mg/L	22-Jun-17	0.01	0.02	EPA300.0
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	NO3		0.722	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	NO3		0.723	mg/L	22-Jun-17	0.01	0.02	EPA300.0
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	NO3		0.723	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	NO3		0.39	mg/L	29-Jun-17	0.01	0.02	EPA300.0
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	NO3		0.39	mg/L	29-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	NO3		0.376	mg/L		0.01	0.02	EPA300.0
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	NO3		0.376	mg/L		0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	NO3		0.376	mg/L		0.01	0.02	
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	NO3		0.208	mg/L		0.01	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	NO3		0.208	mg/L		0.01	0.02	EPA300.0
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	NO3		0.208	mg/L		0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	NO3+NO2		0.813	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	NO3+NO2		0.722	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	NO3+NO2		0.722	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	NO3+NO2		0.384	mg/L	29-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	NO3+NO2		0.376	mg/L		0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	NO3+NO2		0.207	mg/L		0.01	0.02	EPA 353.2
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	NO3+NO2		0.207	mg/L		0.01	0.02	EPA353.2
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Pb	j	0.412	ug/L	27-Jun-17	0.168	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Pb	j	0.388	ug/L	29-Jun-17	0.168	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Pb	j	0.401	ug/L	29-Jun-17	0.168	1	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Pb	j	0.422	ug/L	12-Jul-17	0.168	1	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Pb		2.365	ug/L	12-Jul-17	0.168	1	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Pb	<	0.168	ug/L	24-Jul-17	0.168	1	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	pH		7.85	S.U.				EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	pH		7.85	S.U.				
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	pH		7.97	S.U.				EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	pH		7.97	S.U.				
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	pH		7.97	S.U.				EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	pH		7.97	S.U.				
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	pH		7.92	S.U.				EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	pH		7.92	S.U.				
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	pH		7.9	S.U.				EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	pH		7.9	S.U.				
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Sb	<	0.794	ug/L	27-Jun-17	0.794	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Sb	<	0.794	ug/L	29-Jun-17	0.794	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Sb	<	0.794	ug/L	29-Jun-17	0.794	2	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Sb	<	0.794	ug/L	12-Jul-17	0.794	2	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Sb	j	0.887	ug/L	12-Jul-17	0.794	2	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Sb	<	0.794	ug/L	24-Jul-17	0.794	2	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Se	<	1.244	ug/L	27-Jun-17	1.244	5	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Se	<	1.244	ug/L	29-Jun-17	1.244	5	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Se	<	1.244	ug/L	29-Jun-17	1.244	5	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Se	<	1.244	ug/L	12-Jul-17	1.244	5	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Se	<	1.244	ug/L	12-Jul-17	1.244	5	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Se	<	1.244	ug/L	24-Jul-17	1.244	5	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Sn	<	1.336	ug/L	27-Jun-17	1.336	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Sn	<	1.336	ug/L	29-Jun-17	1.336	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Sn	j	1.923	ug/L	29-Jun-17	1.336	10	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Sn	<	1.336	ug/L	12-Jul-17	1.336	10	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Sn	j	3.812	ug/L	12-Jul-17	1.336	10	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Sn	<	1.336	ug/L	24-Jul-17	1.336	10	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	SO4	AE		mg/L		0.5	5	EPA300.0
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	SO4		38.43	mg/L	17-Jul-17	0.5	5	EPA300.0
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	SO4		38.34	mg/L	17-Jul-17	0.5	5	EPA300.0
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	SO4	AE		mg/L	17-Jul-17	0.5	5	EPA300.0
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	SO4		63.5	mg/L	29-Jul-17	0.5	5	EPA300.0
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	SO4		63.5	mg/L	29-Jul-17	0.5	5	
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	SO4		42.81	mg/L	9-Aug-17	0.5	5	EPA300.0
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Sr		323.291	ug/L	27-Jun-17	0.132	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Sr		194.723	ug/L	29-Jun-17	0.132	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Sr		195.6	ug/L	29-Jun-17	0.132	1	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Sr		254.101	ug/L	12-Jul-17	0.132	1	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Sr		292.744	ug/L	12-Jul-17	0.132	1	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Sr		210.072	ug/L	24-Jul-17	0.132	1	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	TDS		681	mg/L	19-Jun-17	1	5	SM2540 C

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	TDS		681	mg/L	19-Jun-17	1	5	SM2540C
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	TDS		382	mg/L	26-Jun-17	1	5	SM2540 C
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	TDS		382	mg/L	26-Jun-17	1	5	SM2540 C
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	TDS		382	mg/L	26-Jun-17	1	5	SM2540C
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	TDS		438	mg/L	3-Jul-17	1	5	SM2540 C
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	TDS		590	mg/L	6-Jul-17	1	5	SM2540 C
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	TDS		410	mg/L	17-Jul-17	1	5	SM2540 C
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Ti	j	1.14	ug/L	27-Jun-17	0.474	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Ti	j	1.582	ug/L	29-Jun-17	0.474	2	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Ti	j	1.967	ug/L	29-Jun-17	0.474	2	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Ti	j	1.658	ug/L	12-Jul-17	0.474	2	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Ti		3.025	ug/L	12-Jul-17	0.474	2	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Ti	j	0.83	ug/L	24-Jul-17	0.474	2	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	TKN		0.606	mg/L	22-Jun-17	0.237	0.5	EPA-351.1
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	TKN		0.606	mg/L	22-Jun-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	TKN	j	0.432	mg/L	29-Jun-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	TKN	j	0.393	mg/L	29-Jun-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	TKN	j	0.318	mg/L	29-Jun-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	TKN	j	0.414	mg/L	7-Jul-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	TKN	j	0.34	mg/L	21-Jul-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Tl	<	0.196	ug/L	27-Jun-17	0.196	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Tl	<	0.196	ug/L	29-Jun-17	0.196	1	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Tl	<	0.196	ug/L	29-Jun-17	0.196	1	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Tl	<	0.196	ug/L	12-Jul-17	0.196	1	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Tl	j	0.624	ug/L	12-Jul-17	0.196	1	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Tl	<	0.196	ug/L	24-Jul-17	0.196	1	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	TMET		12.8	ug/L	27-Jun-17	10		EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	TMET	<	10	ug/L	29-Jun-17	10		EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	TMET		10.9	ug/L	29-Jun-17	10		EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	TMET	<	10	ug/L	12-Jul-17	10		EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	TMET		482.2	ug/L	12-Jul-17	10		EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	TMET	<	10	ug/L	24-Jul-17	10		EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Total-P		0.032	mg/L	20-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Total-P		0.054	mg/L	22-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Total-P		0.055	mg/L	22-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Total-P		0.038	mg/L	29-Jun-17	0.002	0.01	EPA 365.1
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Total-P		0.038	mg/L	29-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Total-P		0.035	mg/L	6-Jul-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Total-P		0.038	mg/L	14-Jul-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	TS		844	mg/L	16-Jun-17	1	5	SM2540 B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	TS		412	mg/L	21-Jun-17	1	5	SM2540 B
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	TS		452	mg/L	21-Jun-17	1	5	SM2540 B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	TS		560	mg/L	29-Jun-17	1	5	SM2540 B
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	TS		544	mg/L	7-Jul-17	1	5	SM2540 B
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	TS		456	mg/L	12-Jul-17	1	5	SM2540 B
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	TSS		2.5	mg/L	16-Jun-17	0.5	1	SM2540 D
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	TSS		3.6	mg/L	23-Jun-17	0.5	1	SM2540 D
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	TSS		3.6	mg/L	23-Jun-17	0.5	1	SM2540D
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	TSS		3.4	mg/L	23-Jun-17	0.5	1	SM2540 D
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	TSS		3.4	mg/L	23-Jun-17	0.5	1	SM2540D
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	TSS		1.7	mg/L	30-Jun-17	0.5	1	SM2540 D
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	TSS		2.2	mg/L	7-Jul-17	0.5	1	SM2540 D
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	TSS		1.7	mg/L	13-Jul-17	0.5	1	SM2540 D
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Turbidity		1.91	NTU				EPA180.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Turbidity		3.95	NTU				EPA180.1
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Turbidity		4.15	NTU				EPA180.1
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Turbidity		3.04	NTU				EPA180.1
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Turbidity		2.35	NTU				EPA180.1
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Turbidity		1.8	NTU				EPA180.1
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	V	<	4.138	ug/L	27-Jun-17	4.138	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	V	<	4.138	ug/L	29-Jun-17	4.138	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	V	<	4.138	ug/L	29-Jun-17	4.138	10	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	V	<	4.138	ug/L	12-Jul-17	4.138	10	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	V	<	4.138	ug/L	12-Jul-17	4.138	10	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	V	<	4.138	ug/L	24-Jul-17	4.138	10	EPA200.8
Euclid Creek	River Mile 1.65	6/15/2017 10:05	R-1706120009	Zn	j	4.393	ug/L	27-Jun-17	0.626	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706160003	Zn	j	3.577	ug/L	29-Jun-17	0.626	10	EPA200.8
Euclid Creek	River Mile 1.65	6/21/2017 9:45	R-1706190004	Zn	j	4.41	ug/L	29-Jun-17	0.626	10	EPA200.8
Euclid Creek	River Mile 1.65	6/28/2017 9:45	R-1706190003	Zn	j	2.804	ug/L	12-Jul-17	0.626	10	EPA200.8
Euclid Creek	River Mile 1.65	7/5/2017 10:00	R-1707030006	Zn		469.3	ug/L	12-Jul-17	0.626	10	EPA200.8
Euclid Creek	River Mile 1.65	7/12/2017 10:10	R-1707070015	Zn	j	2.127	ug/L	24-Jul-17	0.626	10	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	*CaCO3		220	mg/LCaCO3	27-Jun-17	1		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	*CaCO3		126	mg/LCaCO3	29-Jun-17	1		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	*CaCO3		126	mg/LCaCO3	29-Jun-17	1		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	*CaCO3		172	mg/LCaCO3	24-Jul-17	1		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	*CaCO3		172	mg/LCaCO3	24-Jul-17	1		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	*CaCO3		206	mg/LCaCO3	12-Jul-17	1		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	*CaCO3		151	mg/LCaCO3	24-Jul-17	1		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Ag	<	0.254	ug/L	27-Jun-17	0.254	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ag	<	0.254	ug/L	29-Jun-17	0.254	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ag	<	0.254	ug/L	29-Jun-17	0.254	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ag	<	0.254	ug/L	12-Jul-17	0.254	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ag	<	0.254	ug/L	12-Jul-17	0.254	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Ag	<	0.254	ug/L	12-Jul-17	0.254	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Ag	<	0.254	ug/L	24-Jul-17	0.254	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Al		39.78	ug/L	27-Jun-17	5	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Al		88.68	ug/L	29-Jun-17	5	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Al		88.68	ug/L	29-Jun-17	5	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Al		64.58	ug/L	12-Jul-17	5	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Al		64.58	ug/L	12-Jul-17	5	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Al		52.02	ug/L	12-Jul-17	5	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Al		45.87	ug/L	24-Jul-17	5	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Alkalinity		121.8	mg/LCaCO3	21-Jun-17	4.4	10	EPA310.2
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Alkalinity		91.8	mg/LCaCO3	22-Jun-17	4.4	10	EPA310.2
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Alkalinity		114.9	mg/LCaCO3	6-Jul-17	4.4	10	EPA310.2
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Alkalinity		132.5	mg/LCaCO3	6-Jul-17	4.4	10	EPA310.2
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Alkalinity		106.8	mg/LCaCO3	20-Jul-17	4.4	10	EPA310.2
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	As	<	1.164	ug/L	27-Jun-17	1.164	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	As	<	1.164	ug/L	29-Jun-17	1.164	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	As	<	1.164	ug/L	29-Jun-17	1.164	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	As	<	1.164	ug/L	12-Jul-17	1.164	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	As	<	1.164	ug/L	12-Jul-17	1.164	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	As	<	1.164	ug/L	12-Jul-17	1.164	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	As	<	1.164	ug/L	24-Jul-17	1.164	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Ba		33.93	ug/L	27-Jun-17	0.268	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ba		18.31	ug/L	29-Jun-17	0.268	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ba		18.31	ug/L	29-Jun-17	0.268	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ba		24.45	ug/L	12-Jul-17	0.268	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ba		24.45	ug/L	12-Jul-17	0.268	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Ba		29.11	ug/L	12-Jul-17	0.268	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Ba		21.51	ug/L	24-Jul-17	0.268	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Be	<	0.188	ug/L	27-Jun-17	0.188	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Be	<	0.188	ug/L	29-Jun-17	0.188	1	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Be	<	0.188	ug/L	29-Jun-17	0.188	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Be	<	0.188	ug/L	12-Jul-17	0.188	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Be	<	0.188	ug/L	12-Jul-17	0.188	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Be	<	0.188	ug/L	12-Jul-17	0.188	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Be	<	0.188	ug/L	24-Jul-17	0.188	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	BOD		2.8	mg/L	16-Jun-17	2		SM5210 B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	BOD	<	2	mg/L	21-Jun-17	2		SM5210 B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	BOD	<	2	mg/L	29-Jun-17	2		SM5210 B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	BOD	<	2	mg/L	5-Jul-17	2		SM5210 B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	BOD	<	2	mg/L	12-Jul-17	2		SM5210 B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Ca		63370	ug/L	27-Jun-17	56.43	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ca		36500	ug/L	29-Jun-17	56.43	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ca		36500	ug/L	29-Jun-17	56.43	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ca		49820	ug/L	24-Jul-17	56.43	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ca		49820	ug/L	24-Jul-17	56.43	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Ca		60950	ug/L	12-Jul-17	56.43	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Ca		44400	ug/L	24-Jul-17	56.43	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Cd	<	0.106	ug/L	27-Jun-17	0.106	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Cd	<	0.106	ug/L	29-Jun-17	0.106	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Cd	<	0.106	ug/L	29-Jun-17	0.106	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Cd	<	0.106	ug/L	12-Jul-17	0.106	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Cd	<	0.106	ug/L	12-Jul-17	0.106	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Cd	<	0.106	ug/L	12-Jul-17	0.106	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Cd	<	0.106	ug/L	24-Jul-17	0.106	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Chloride	AE		mg/L		2	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Chloride		131.8	mg/L	17-Jul-17	2	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Chloride		131.8	mg/L	17-Jul-17	2	5	
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Chloride	AE		mg/L	17-Jul-17	2	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Chloride	AE		mg/L	17-Jul-17	2	5	
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Chloride	AE		mg/L		2	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Chloride		135.4	mg/L	9-Aug-17	2	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Chloride		135.4	mg/L	9-Aug-17	2	5	
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Co	j	0.261	ug/L	27-Jun-17	0.072	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Co	j	0.253	ug/L	29-Jun-17	0.072	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Co	j	0.253	ug/L	29-Jun-17	0.072	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Co	j	0.276	ug/L	12-Jul-17	0.072	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Co	j	0.276	ug/L	12-Jul-17	0.072	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Co	j	0.305	ug/L	12-Jul-17	0.072	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Co	j	0.211	ug/L	24-Jul-17	0.072	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	COD		15.2	mg/L	26-Jun-17	4.6	10	EPA410.4
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	COD	j	9.5	mg/L	27-Jun-17	4.6	10	EPA410.4
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	COD	j	8.7	mg/L	30-Jun-17	4.6	10	EPA410.4

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	COD		12.5	mg/L	7-Jul-17	4.6	10	EPA410.4
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	COD	<	4.6	mg/L	17-Jul-17	4.6	10	EPA 410.4
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	COD	<	4.6	mg/L	17-Jul-17	4.6	10	EPA410.4
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Conduct		1220	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Conduct		732	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Conduct		937	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Conduct		1004	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Conduct		765.7	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Cr	j	1.446	ug/L	27-Jun-17	0.954	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Cr	j	1.167	ug/L	29-Jun-17	0.954	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Cr	j	1.167	ug/L	29-Jun-17	0.954	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Cr	j	1.482	ug/L	12-Jul-17	0.954	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Cr	j	1.482	ug/L	12-Jul-17	0.954	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Cr	j	1.612	ug/L	12-Jul-17	0.954	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Cr	<	0.954	ug/L	24-Jul-17	0.954	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Cu		3.944	ug/L	27-Jun-17	0.22	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Cu		3.027	ug/L	29-Jun-17	0.22	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Cu		3.027	ug/L	29-Jun-17	0.22	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Cu		2.556	ug/L	12-Jul-17	0.22	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Cu		2.556	ug/L	12-Jul-17	0.22	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Cu		2.585	ug/L	12-Jul-17	0.22	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Cu		3.057	ug/L	24-Jul-17	0.22	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	DRPhos		0.015	mg/L	16-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	DRPhos		0.032	mg/L	21-Jun-17	0.002	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	DRPhos		0.032	mg/L	21-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	DRPhos		0.023	mg/L	28-Jun-17	0.002	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	DRPhos		0.023	mg/L	28-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	DRPhos		0.017	mg/L	5-Jul-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	DRPhos		0.02	mg/L	12-Jul-17	0.002	0.01	EPA 365.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	DRPhos		0.02	mg/L	12-Jul-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	E. coli		7980	MPN/100 mL	15-Jun-17	1		SM9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	E. coli		1485	MPN/100 mL	21-Jun-17	1		SM9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	E. coli		1485	MPN/100 mL	21-Jun-17	1		
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	E. coli		992	MPN/100 mL	28-Jun-17	1		SM9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	E. coli		1386	MPN/100 mL	5-Jul-17	1		SM9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	E. coli		2439	MPN/100 mL	12-Jul-17	1		SM9223 Colilert
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Fe		329.4	ug/L	27-Jun-17	4.208	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Fe		286.6	ug/L	29-Jun-17	4.208	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Fe		286.6	ug/L	29-Jun-17	4.208	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Fe		366.2	ug/L	24-Jul-17	4.208	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Fe		366.2	ug/L	24-Jul-17	4.208	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Fe		369.9	ug/L	12-Jul-17	4.208	10	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Fe		264.5	ug/L	24-Jul-17	4.208	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Field Cond		1186	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Field Cond		1186	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Field Cond		1244	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Field Cond		1244	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Field Cond		629.4	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Field Cond		629.4	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Field Cond		707.9	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Field Cond		707.9	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Field Cond		799	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Field Cond		799	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Field Cond		938	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Field Cond		938	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Field Cond		894.5	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Field Cond		894.5	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Field Cond		979.5	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Field Cond		979.5	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Field Cond		728	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Field Cond		728	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Field Cond		769	umhos/cm				SM 2510A
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Field Cond		769	umhos/cm				SM 2510B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Field DO		8.21	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Field DO		8.21	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Field DO		95.2	%				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Field DO		95.2	%				
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Field DO		100.1	%				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Field DO		100.1	%				
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Field DO		9.23	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Field DO		9.23	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Field DO		9.34	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Field DO		9.34	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Field DO		97.7	%				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Field DO		97.7	%				
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Field DO		104.5	%				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Field DO		104.5	%				
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Field DO		9.4	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Field DO		9.4	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Field DO		8	mg/L				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Field DO		8	mg/L				
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Field DO		92	%				SM 4500-0 G
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Field DO		92	%				
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Field Temp		22.5	C				EPA 170.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Field Temp		19.2	C				EPA 170.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Field Temp		17.2	C				EPA 170.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Field Temp		20.5	C				EPA 170.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Field Temp		22.2	C				EPA 170.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Hg	<	0.025	ug/L	22-Jun-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Hg	<	0.025	ug/L	28-Jun-17	0.025	0.05	EPA 245.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Hg	<	0.025	ug/L	28-Jun-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Hg	<	0.025	ug/L	12-Jul-17	0.025	0.05	EPA 245.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Hg	<	0.025	ug/L	12-Jul-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Hg	<	0.025	ug/L	19-Jul-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Hg	<	0.025	ug/L	24-Jul-17	0.025	0.05	EPA 245.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Hg	<	0.025	ug/L	24-Jul-17	0.025	0.05	EPA245.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	K		4630	ug/L	27-Jun-17	107.6	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	K		2751	ug/L	29-Jun-17	107.6	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	K		2751	ug/L	29-Jun-17	107.6	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	K		3297	ug/L	12-Jul-17	107.6	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	K		3297	ug/L	12-Jul-17	107.6	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	K		4121	ug/L	12-Jul-17	107.6	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	K		3245	ug/L	24-Jul-17	107.6	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Mg		14960	ug/L	27-Jun-17	24.11	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Mg		8574	ug/L	29-Jun-17	24.11	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Mg		8574	ug/L	29-Jun-17	24.11	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Mg		11750	ug/L	12-Jul-17	24.11	250	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Mg		11750	ug/L	12-Jul-17	24.11	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Mg		12960	ug/L	12-Jul-17	24.11	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Mg		9762	ug/L	24-Jul-17	24.11	250	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Mn		19.07	ug/L	27-Jun-17	0.254	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Mn		13.83	ug/L	29-Jun-17	0.254	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Mn		13.83	ug/L	29-Jun-17	0.254	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Mn		23.12	ug/L	12-Jul-17	0.254	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Mn		23.12	ug/L	12-Jul-17	0.254	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Mn		24.01	ug/L	12-Jul-17	0.254	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Mn		19.5	ug/L	24-Jul-17	0.254	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Mo		3.736	ug/L	27-Jun-17	0.238	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Mo		3.036	ug/L	29-Jun-17	0.238	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Mo		3.036	ug/L	29-Jun-17	0.238	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Mo		2.942	ug/L	12-Jul-17	0.238	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Mo		2.942	ug/L	12-Jul-17	0.238	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Mo		3.296	ug/L	12-Jul-17	0.238	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Mo		3.044	ug/L	24-Jul-17	0.238	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Na		150700	ug/L	27-Jun-17	43.67	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Na		83270	ug/L	29-Jun-17	43.67	500	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Na		83270	ug/L	29-Jun-17	43.67	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Na		114000	ug/L	12-Jul-17	43.67	500	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Na		114000	ug/L	12-Jul-17	43.67	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Na		121600	ug/L	12-Jul-17	43.67	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Na		97810	ug/L	24-Jul-17	43.67	500	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	NH3	j	0.011	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	NH3	j	0.014	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NH3	<	0.01	mg/L	29-Jun-17	0.01	0.02	EPA-350.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NH3	<	0.01	mg/L	29-Jun-17	0.01	0.02	EPA350.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NH3	<	0.01	mg/L		0.01	0.02	EPA-350.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NH3	<	0.01	mg/L		0.01	0.02	EPA350.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	NH3	<	0.01	mg/L		0.01	0.02	EPA350.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Ni	j	3.354	ug/L	27-Jun-17	0.208	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ni	j	2.25	ug/L	29-Jun-17	0.208	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ni	j	2.25	ug/L	29-Jun-17	0.208	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ni	j	2.586	ug/L	12-Jul-17	0.208	4	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ni	j	2.586	ug/L	12-Jul-17	0.208	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Ni	j	3.18	ug/L	12-Jul-17	0.208	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Ni	j	2.175	ug/L	24-Jul-17	0.208	4	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	NO2	j	0.006	mg/L	16-Jun-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	NO2	j	0.006	mg/L	16-Jun-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	NO2	<	0.005	mg/L	21-Jun-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	NO2	<	0.005	mg/L	21-Jun-17	0.005	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	NO2	<	0.005	mg/L	21-Jun-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	NO2	<	0.005	mg/L	21-Jun-17	0.005	0.02	
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO2	<	0.005	mg/L	28-Jun-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO2	<	0.005	mg/L	28-Jun-17	0.005	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO2	<	0.005	mg/L	28-Jun-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO2	<	0.005	mg/L	28-Jun-17	0.005	0.02	
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NO2	<	0.005	mg/L	5-Jul-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NO2	<	0.005	mg/L	5-Jul-17	0.005	0.02	SM 4500-NO2-B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NO2	<	0.005	mg/L	5-Jul-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	NO2	<	0.005	mg/L	12-Jul-17	0.005	0.02	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	NO2	<	0.005	mg/L	12-Jul-17	0.005	0.02	SM4500-NO2 B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	NO2	<	0.005	mg/L	12-Jul-17	0.005	0.02	
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	NO3		0.758	mg/L	22-Jun-17	0.01	0.02	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	NO3		0.758	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	NO3		0.766	mg/L	22-Jun-17	0.01	0.02	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	NO3		0.766	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	NO3		0.766	mg/L	22-Jun-17	0.01	0.02	
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO3		0.34	mg/L	29-Jun-17	0.01	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO3		0.34	mg/L	29-Jun-17	0.01	0.02	EPA300.0

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO3		0.34	mg/L	29-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO3		0.34	mg/L	29-Jun-17	0.01	0.02	
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NO3		0.293	mg/L		0.01	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NO3		0.293	mg/L		0.01	0.02	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NO3		0.293	mg/L		0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	NO3		0.172	mg/L		0.01	0.02	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	NO3		0.172	mg/L		0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	NO3		0.172	mg/L		0.01	0.02	
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	NO3+NO2		0.764	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	NO3+NO2		0.771	mg/L	22-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO3+NO2		0.339	mg/L	29-Jun-17	0.01	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	NO3+NO2		0.339	mg/L	29-Jun-17	0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NO3+NO2		0.292	mg/L		0.01	0.02	EPA 353.2
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	NO3+NO2		0.292	mg/L		0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	NO3+NO2		0.172	mg/L		0.01	0.02	EPA353.2
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Pb	j	0.42	ug/L	27-Jun-17	0.168	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Pb	j	0.418	ug/L	29-Jun-17	0.168	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Pb	j	0.418	ug/L	29-Jun-17	0.168	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Pb	j	0.412	ug/L	12-Jul-17	0.168	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Pb	j	0.412	ug/L	12-Jul-17	0.168	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Pb	j	0.435	ug/L	12-Jul-17	0.168	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Pb	j	0.518	ug/L	24-Jul-17	0.168	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	pH		7.86	S.U.				EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	pH		7.86	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	pH		7.99	S.U.				EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	pH		7.99	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	pH		8.03	S.U.				EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	pH		8.03	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	pH		8.02	S.U.				EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	pH		8.02	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	pH		7.8	S.U.				EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	pH		7.8	S.U.				
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Sb	<	0.794	ug/L	27-Jun-17	0.794	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Sb	<	0.794	ug/L	29-Jun-17	0.794	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Sb	<	0.794	ug/L	29-Jun-17	0.794	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Sb	<	0.794	ug/L	12-Jul-17	0.794	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Sb	<	0.794	ug/L	12-Jul-17	0.794	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Sb	<	0.794	ug/L	12-Jul-17	0.794	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Sb	<	0.794	ug/L	24-Jul-17	0.794	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Se	<	1.244	ug/L	27-Jun-17	1.244	5	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Se	<	1.244	ug/L	29-Jun-17	1.244	5	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Se	<	1.244	ug/L	29-Jun-17	1.244	5	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Se	<	1.244	ug/L	12-Jul-17	1.244	5	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Se	<	1.244	ug/L	12-Jul-17	1.244	5	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Se	<	1.244	ug/L	12-Jul-17	1.244	5	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Se	<	1.244	ug/L	24-Jul-17	1.244	5	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Sn	<	1.336	ug/L	27-Jun-17	1.336	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Sn	<	1.336	ug/L	29-Jun-17	1.336	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Sn	<	1.336	ug/L	29-Jun-17	1.336	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Sn	<	1.336	ug/L	12-Jul-17	1.336	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Sn	<	1.336	ug/L	12-Jul-17	1.336	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Sn	<	1.336	ug/L	12-Jul-17	1.336	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Sn	<	1.336	ug/L	24-Jul-17	1.336	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	SO4	AE		mg/L		0.5	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	SO4		35.88	mg/L	17-Jul-17	0.5	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	SO4		35.88	mg/L	17-Jul-17	0.5	5	
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	SO4	AE		mg/L	17-Jul-17	0.5	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	SO4	AE		mg/L	17-Jul-17	0.5	5	
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	SO4	AE		mg/L		0.5	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	SO4		42.71	mg/L	9-Aug-17	0.5	5	EPA300.0
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	SO4		42.71	mg/L	9-Aug-17	0.5	5	
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Sr		324.422	ug/L	27-Jun-17	0.132	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Sr		187.96	ug/L	29-Jun-17	0.132	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Sr		187.96	ug/L	29-Jun-17	0.132	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Sr		252.956	ug/L	12-Jul-17	0.132	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Sr		252.956	ug/L	12-Jul-17	0.132	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Sr		309.123	ug/L	12-Jul-17	0.132	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Sr		217.886	ug/L	24-Jul-17	0.132	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	TDS		704	mg/L	19-Jun-17	1	5	SM2540 C
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	TDS		382	mg/L	26-Jun-17	1	5	SM2540 C
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	TDS		410	mg/L	3-Jul-17	1	5	SM2540 C
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	TDS		622	mg/L	6-Jul-17	1	5	SM2540 C
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	TDS		400	mg/L	17-Jul-17	1	5	SM2540 C
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Ti	j	1.977	ug/L	27-Jun-17	0.474	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ti	j	1.766	ug/L	29-Jun-17	0.474	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Ti	j	1.766	ug/L	29-Jun-17	0.474	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ti	j	1.494	ug/L	12-Jul-17	0.474	2	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Ti	j	1.494	ug/L	12-Jul-17	0.474	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Ti	j	1.358	ug/L	12-Jul-17	0.474	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Ti	j	1.093	ug/L	24-Jul-17	0.474	2	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	TKN		0.525	mg/L	22-Jun-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	TKN	j	0.438	mg/L	29-Jun-17	0.237	0.5	EPA-351.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	TKN	j	0.438	mg/L	29-Jun-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	TKN	j	0.358	mg/L	29-Jun-17	0.237	0.5	EPA351.2

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	TKN	j	0.337	mg/L	7-Jul-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	TKN	j	0.414	mg/L	21-Jul-17	0.237	0.5	EPA-351.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	TKN	j	0.414	mg/L	21-Jul-17	0.237	0.5	EPA351.2
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Tl	<	0.196	ug/L	27-Jun-17	0.196	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Tl	<	0.196	ug/L	29-Jun-17	0.196	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Tl	<	0.196	ug/L	29-Jun-17	0.196	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Tl	<	0.196	ug/L	12-Jul-17	0.196	1	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Tl	<	0.196	ug/L	12-Jul-17	0.196	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Tl	<	0.196	ug/L	12-Jul-17	0.196	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Tl	<	0.196	ug/L	24-Jul-17	0.196	1	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	TMET		13.1	ug/L	27-Jun-17	10		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	TMET	<	10	ug/L	29-Jun-17	10		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	TMET	<	10	ug/L	29-Jun-17	10		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	TMET	<	10	ug/L	12-Jul-17	10		EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	TMET	<	10	ug/L	12-Jul-17	10		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	TMET	<	10	ug/L	12-Jul-17	10		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	TMET	<	10	ug/L	24-Jul-17	10		EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Total-P		0.032	mg/L	20-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Total-P		0.05	mg/L	22-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Total-P		0.037	mg/L	29-Jun-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Total-P		0.029	mg/L	6-Jul-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Total-P		0.047	mg/L	14-Jul-17	0.002	0.01	EPA365.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	TS		704	mg/L	16-Jun-17	1	5	SM2540 B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	TS		474	mg/L	21-Jun-17	1	5	SM2540 B
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	TS		474	mg/L	21-Jun-17	1	5	SM2540B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	TS		567	mg/L	29-Jun-17	1	5	SM2540 B
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	TS		567	mg/L	29-Jun-17	1	5	SM2540B
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	TS		636	mg/L	7-Jul-17	1	5	SM2540 B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	TS		494	mg/L	12-Jul-17	1	5	SM2540 B
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	TS		494	mg/L	12-Jul-17	1	5	SM2540B
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	TSS		2.5	mg/L	16-Jun-17	0.5	1	SM2540 D
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	TSS		2.9	mg/L	23-Jun-17	0.5	1	SM2540 D
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	TSS		8.9	mg/L	30-Jun-17	0.5	1	SM2540 D
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	TSS		6.1	mg/L	6-Jul-17	0.5	1	SM2540 D
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	TSS		10.8	mg/L	13-Jul-17	0.5	1	SM2540 D
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Turbidity		2.41	NTU				EPA180.1
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Turbidity		4.24	NTU				EPA180.1
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Turbidity		2.64	NTU				EPA180.1
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Turbidity		2.6	NTU				EPA180.1
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Turbidity		4.5	NTU				EPA180.1
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	V	<	4.138	ug/L	27-Jun-17	4.138	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	V	<	4.138	ug/L	29-Jun-17	4.138	10	EPA-200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	V	<	4.138	ug/L	29-Jun-17	4.138	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	V	<	4.138	ug/L	12-Jul-17	4.138	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	V	<	4.138	ug/L	12-Jul-17	4.138	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	V	<	4.138	ug/L	12-Jul-17	4.138	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	V	<	4.138	ug/L	24-Jul-17	4.138	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/15/2017 9:20	R-1706120008	Zn	j	4.373	ug/L	27-Jun-17	0.626	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Zn	j	3.658	ug/L	29-Jun-17	0.626	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/21/2017 9:15	R-1706160002	Zn	j	3.658	ug/L	29-Jun-17	0.626	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Zn	j	2.903	ug/L	12-Jul-17	0.626	10	EPA-200.8
Euclid Creek	River Mile 0.55 (EM5)	6/28/2017 9:15	R-1706190002	Zn	j	2.903	ug/L	12-Jul-17	0.626	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/5/2017 9:30	R-1707030005	Zn	j	2.156	ug/L	12-Jul-17	0.626	10	EPA200.8
Euclid Creek	River Mile 0.55 (EM5)	7/12/2017 9:45	R-1707070014	Zn	j	3.621	ug/L	24-Jul-17	0.626	10	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	*CaCO3		199	mg/LCaCO3	27-Jun-17	1		EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	*CaCO3		182	mg/LCaCO3	29-Jun-17	1		EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	*CaCO3		217	mg/LCaCO3	24-Jul-17	1		EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	*CaCO3		194	mg/LCaCO3	12-Jul-17	1		EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	*CaCO3		133	mg/LCaCO3	25-Jul-17	1		EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Ag	<	0.254	ug/L	27-Jun-17	0.254	1	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Ag	<	0.254	ug/L	29-Jun-17	0.254	1	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Ag	<	0.254	ug/L	12-Jul-17	0.254	1	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Ag	<	0.254	ug/L	12-Jul-17	0.254	1	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Ag	<	0.254	ug/L	25-Jul-17	0.254	1	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Al		872	ug/L	27-Jun-17	5	10	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Al		94.67	ug/L	29-Jun-17	5	10	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Al		38.15	ug/L	12-Jul-17	5	10	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Al		123.5	ug/L	12-Jul-17	5	10	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Al		2142	ug/L	25-Jul-17	5	10	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Alkalinity		120.2	mg/LCaCO3	20-Jun-17	4.4	10	EPA310.2
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Alkalinity		119	mg/LCaCO3	27-Jun-17	4.4	10	EPA310.2
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Alkalinity		135.9	mg/LCaCO3	6-Jul-17	4.4	10	EPA310.2
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Alkalinity		135.3	mg/LCaCO3	6-Jul-17	4.4	10	EPA310.2
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Alkalinity		89.6	mg/LCaCO3	20-Jul-17	4.4	10	EPA-310.2
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Alkalinity		89.6	mg/LCaCO3	20-Jul-17	4.4	10	EPA310.2
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	As	j	1.992	ug/L	27-Jun-17	1.164	4	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	As	j	1.405	ug/L	29-Jun-17	1.164	4	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	As	j	1.558	ug/L	12-Jul-17	1.164	4	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	As	j	1.268	ug/L	12-Jul-17	1.164	4	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	As	j	2.442	ug/L	25-Jul-17	1.164	4	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Ba		35.78	ug/L	27-Jun-17	0.268	1	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Ba		30.89	ug/L	29-Jun-17	0.268	1	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Ba		31.18	ug/L	12-Jul-17	0.268	1	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Ba		31.81	ug/L	12-Jul-17	0.268	1	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Ba		37.59	ug/L	25-Jul-17	0.268	1	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Be	<	0.188	ug/L	27-Jun-17	0.188	1	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Be	<	0.188	ug/L	29-Jun-17	0.188	1	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Be	<	0.188	ug/L	12-Jul-17	0.188	1	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Be	<	0.188	ug/L	12-Jul-17	0.188	1	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Be	<	0.188	ug/L	25-Jul-17	0.188	1	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	BOD		6.1	mg/L	15-Jun-17	2		SM 5210
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	BOD		6.1	mg/L	15-Jun-17	2		SM5210 B
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	BOD		2.1	mg/L	21-Jun-17	2		SM5210 B
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	BOD	<	2	mg/L	29-Jun-17	2		SM5210 B
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	BOD	<	2	mg/L	5-Jul-17	2		SM5210 B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	BOD		2.4	mg/L	12-Jul-17	2		SM5210 B
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Ca		57330	ug/L	27-Jun-17	56.43	250	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Ca		52400	ug/L	29-Jun-17	56.43	250	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Ca		63020	ug/L	24-Jul-17	56.43	250	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Ca		57620	ug/L	12-Jul-17	56.43	250	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Ca		38210	ug/L	25-Jul-17	56.43	250	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Cd	<	0.106	ug/L	27-Jun-17	0.106	1	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Cd	<	0.106	ug/L	29-Jun-17	0.106	1	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Cd	<	0.106	ug/L	12-Jul-17	0.106	1	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Cd	<	0.106	ug/L	12-Jul-17	0.106	1	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Cd	j	0.107	ug/L	25-Jul-17	0.106	1	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Chloride	AE		mg/L		2	5	EPA300.0
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Chloride	AE		mg/L	17-Jul-17	2	5	EPA300.0
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Chloride	AE		mg/L	17-Jul-17	2	5	EPA300.0
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Chloride		112.3	mg/L	29-Jul-17	2	5	EPA300.0
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Chloride		63.86	mg/L	9-Aug-17	2	5	EPA300.0
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Co		1.118	ug/L	27-Jun-17	0.072	1	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Co	j	0.504	ug/L	29-Jun-17	0.072	1	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Co	j	0.496	ug/L	12-Jul-17	0.072	1	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Co	j	0.555	ug/L	12-Jul-17	0.072	1	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Co		1.882	ug/L	25-Jul-17	0.072	1	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	COD		24.5	mg/L	26-Jun-17	4.6	10	EPA410.4
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	COD		19.3	mg/L	27-Jun-17	4.6	10	EPA410.4
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	COD		14.1	mg/L	30-Jun-17	4.6	10	EPA410.4
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	COD		14.1	mg/L	7-Jul-17	4.6	10	EPA410.4
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	COD	<	4.6	mg/L	17-Jul-17	4.6	10	EPA410.4
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Conduct		692	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Conduct		803	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Conduct		826	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Conduct		792	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Conduct		502	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Cr		2.652	ug/L	27-Jun-17	0.954	2	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Cr	j	1.382	ug/L	29-Jun-17	0.954	2	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Cr	j	1.424	ug/L	12-Jul-17	0.954	2	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Cr	j	1.612	ug/L	12-Jul-17	0.954	2	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Cr		4.076	ug/L	25-Jul-17	0.954	2	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Cu		5.93	ug/L	27-Jun-17	0.22	2	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Cu		3.485	ug/L	29-Jun-17	0.22	2	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Cu		2.81	ug/L	12-Jul-17	0.22	2	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Cu		3.45	ug/L	12-Jul-17	0.22	2	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Cu		7.261	ug/L	25-Jul-17	0.22	2	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	DRPhos		0.022	mg/L	16-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	DRPhos		0.021	mg/L	21-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	DRPhos		0.02	mg/L	28-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	DRPhos		0.028	mg/L	5-Jul-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	DRPhos		0.04	mg/L	12-Jul-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	E. coli		7280	MPN/100 mL	15-Jun-17	1		SM9223 Colilert
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	E. coli		7280	MPN/100 mL	15-Jun-17	1		
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	E. coli		596	MPN/100 mL	21-Jun-17	1		SM9223 Colilert
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	E. coli		194	MPN/100 mL	28-Jun-17	1		SM9223 Colilert
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	E. coli		378	MPN/100 mL	5-Jul-17	1		SM9223 Colilert
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	E. coli		1700	MPN/100 mL	12-Jul-17	1		SM9223 Colilert
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Fe		1766	ug/L	27-Jun-17	4.208	10	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Fe		411	ug/L	29-Jun-17	4.208	10	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Fe		348.8	ug/L	24-Jul-17	4.208	10	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Fe		525.4	ug/L	12-Jul-17	4.208	10	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Fe		3829	ug/L	25-Jul-17	4.208	10	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Field Cond		735.1	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Field Cond		735.1	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Field Cond		754.7	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Field Cond		754.7	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Field Cond		727.7	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Field Cond		727.7	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Field Cond		802.9	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Field Cond		802.9	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Field Cond		720.4	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Field Cond		720.4	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Field Cond		839.2	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Field Cond		839.2	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Field Cond		762.4	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Field Cond		762.4	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Field Cond		821.3	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Field Cond		821.3	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Field Cond		478	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Field Cond		478	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Field Cond		506	umhos/cm				SM 2510A
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Field Cond		506	umhos/cm				SM 2510B
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Field DO		7.6	mg/L				SM 4500-0 G
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Field DO		7.6	mg/L				
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Field DO		89.4	%				SM 4500-0 G
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Field DO		89.4	%				
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Field DO		8.4	mg/L				SM 4500-0 G

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Field DO		8.4	mg/L				
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Field DO		92.9	%				SM 4500-0 G
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Field DO		92.9	%				
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Field DO		9.35	mg/L				SM 4500-0 G
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Field DO		9.35	mg/L				
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Field DO		98.1	%				SM 4500-0 G
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Field DO		98.1	%				
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Field DO		109.5	%				SM 4500-0 G
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Field DO		109.5	%				
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Field DO		9.62	mg/L				SM 4500-0 G
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Field DO		9.62	mg/L				
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Field DO		8.1	mg/L				SM 4500-0 G
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Field DO		8.1	mg/L				
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Field DO		93	%				SM 4500-0 G
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Field DO		93	%				
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Field Temp		23.6	C				EPA 170.1
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Field Temp		20.1	C				EPA 170.1
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Field Temp		17.6	C				EPA 170.1
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Field Temp		21.2	C				EPA 170.1
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Field Temp		22.1	C				EPA 170.1
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Hg	<	0.025	ug/L	22-Jun-17	0.025	0.05	EPA245.1
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Hg	<	0.025	ug/L	28-Jun-17	0.025	0.05	EPA245.1
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Hg	<	0.025	ug/L	12-Jul-17	0.025	0.05	EPA245.1
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Hg	<	0.025	ug/L	19-Jul-17	0.025	0.05	EPA245.1
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Hg	<	0.025	ug/L	24-Jul-17	0.025	0.05	EPA245.1
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	K		6268	ug/L	27-Jun-17	107.6	500	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	K		6863	ug/L	29-Jun-17	107.6	500	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	K		6756	ug/L	12-Jul-17	107.6	500	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	K		6521	ug/L	12-Jul-17	107.6	500	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	K		4817	ug/L	25-Jul-17	107.6	500	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Mg		13540	ug/L	27-Jun-17	24.11	250	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Mg		12420	ug/L	29-Jun-17	24.11	250	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Mg		14430	ug/L	12-Jul-17	24.11	250	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Mg		12200	ug/L	12-Jul-17	24.11	250	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Mg		9080	ug/L	25-Jul-17	24.11	250	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Mn		67.25	ug/L	27-Jun-17	0.254	2	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Mn		19.6	ug/L	29-Jun-17	0.254	2	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Mn		10.41	ug/L	12-Jul-17	0.254	2	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Mn		26.99	ug/L	12-Jul-17	0.254	2	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Mn		134	ug/L	25-Jul-17	0.254	2	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Mo		4.099	ug/L	27-Jun-17	0.238	1	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Mo		5.806	ug/L	29-Jun-17	0.238	1	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Mo		4.825	ug/L	12-Jul-17	0.238	1	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Mo		5.322	ug/L	12-Jul-17	0.238	1	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Mo		2.79	ug/L	25-Jul-17	0.238	1	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Na		66760	ug/L	27-Jun-17	43.67	500	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Na		83570	ug/L	29-Jun-17	43.67	500	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Na		88540	ug/L	12-Jul-17	43.67	500	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Na		80100	ug/L	12-Jul-17	43.67	500	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Na		41990	ug/L	25-Jul-17	43.67	500	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NH3		0.09	mg/L	22-Jun-17	0.01	0.02	EPA-350.1
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NH3		0.09	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	NH3	j	0.018	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	NH3	<	0.01	mg/L	29-Jun-17	0.01	0.02	EPA350.1
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	NH3	<	0.01	mg/L		0.01	0.02	EPA350.1
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	NH3		0.054	mg/L		0.01	0.02	EPA350.1
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Ni		5.81	ug/L	27-Jun-17	0.208	4	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Ni		4.236	ug/L	29-Jun-17	0.208	4	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Ni		4.621	ug/L	12-Jul-17	0.208	4	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Ni		4.508	ug/L	12-Jul-17	0.208	4	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Ni		6.697	ug/L	25-Jul-17	0.208	4	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NO2		0.046	mg/L	16-Jun-17	0.005	0.02	EPA300.0
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NO2		0.046	mg/L	16-Jun-17	0.005	0.02	SM 4500-NO2-B
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NO2		0.046	mg/L	16-Jun-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	NO2		0.028	mg/L	21-Jun-17	0.005	0.02	EPA300.0
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	NO2		0.028	mg/L	21-Jun-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	NO2	j	0.011	mg/L	28-Jun-17	0.005	0.02	EPA300.0
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	NO2	j	0.011	mg/L	28-Jun-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	NO2	j	0.011	mg/L	5-Jul-17	0.005	0.02	EPA300.0
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	NO2	j	0.011	mg/L	5-Jul-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	NO2		0.037	mg/L	12-Jul-17	0.005	0.02	EPA300.0
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	NO2		0.037	mg/L	12-Jul-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NO3		2.558	mg/L	22-Jun-17	0.02	0.04	EPA 353.2
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NO3		2.558	mg/L	22-Jun-17	0.02	0.04	EPA300.0
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NO3		2.558	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	NO3		1.988	mg/L	22-Jun-17	0.02	0.04	EPA300.0
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	NO3		1.988	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	NO3		2.41	mg/L	29-Jun-17	0.02	0.04	EPA300.0
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	NO3		2.41	mg/L	29-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	NO3		1.699	mg/L		0.01	0.02	EPA300.0
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	NO3		1.699	mg/L		0.01	0.02	EPA353.2
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	NO3		1.151	mg/L		0.01	0.02	EPA300.0

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	NO3		1.151	mg/L		0.01	0.02	EPA353.2
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NO3+NO2		2.605	mg/L	22-Jun-17	0.02	0.04	EPA 353.2
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	NO3+NO2		2.605	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	NO3+NO2		2.016	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	NO3+NO2		2.421	mg/L	29-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	NO3+NO2		1.71	mg/L		0.01	0.02	EPA353.2
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	NO3+NO2		1.188	mg/L		0.01	0.02	EPA353.2
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Pb		1.649	ug/L	27-Jun-17	0.168	1	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Pb	j	0.405	ug/L	29-Jun-17	0.168	1	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Pb	j	0.173	ug/L	12-Jul-17	0.168	1	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Pb	j	0.42	ug/L	12-Jul-17	0.168	1	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Pb		3.232	ug/L	25-Jul-17	0.168	1	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	pH		7.97	S.U.				EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	pH		7.97	S.U.				
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	pH		7.91	S.U.				EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	pH		7.91	S.U.				
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	pH		8.1	S.U.				EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	pH		8.1	S.U.				
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	pH		8.17	S.U.				EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	pH		8.17	S.U.				
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	pH		7.9	S.U.				EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	pH		7.9	S.U.				
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Sb	<	0.794	ug/L	27-Jun-17	0.794	2	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Sb	<	0.794	ug/L	29-Jun-17	0.794	2	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Sb	<	0.794	ug/L	12-Jul-17	0.794	2	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Sb	<	0.794	ug/L	12-Jul-17	0.794	2	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Sb	<	0.794	ug/L	25-Jul-17	0.794	2	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Se	<	1.244	ug/L	27-Jun-17	1.244	5	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Se	<	1.244	ug/L	29-Jun-17	1.244	5	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Se	<	1.244	ug/L	12-Jul-17	1.244	5	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Se	<	1.244	ug/L	12-Jul-17	1.244	5	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Se	<	1.244	ug/L	25-Jul-17	1.244	5	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Sn	<	1.336	ug/L	27-Jun-17	1.336	10	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Sn	<	1.336	ug/L	29-Jun-17	1.336	10	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Sn	<	1.336	ug/L	12-Jul-17	1.336	10	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Sn	<	1.336	ug/L	12-Jul-17	1.336	10	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Sn	j	2.911	ug/L	25-Jul-17	1.336	10	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	SO4	AE		mg/L		0.5	5	EPA300.0
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	SO4	AE		mg/L	17-Jul-17	0.5	5	EPA300.0
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	SO4	AE		mg/L	17-Jul-17	0.5	5	EPA300.0
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	SO4		59.21	mg/L	29-Jul-17	0.5	5	EPA300.0

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	SO4		32.36	mg/L	9-Aug-17	0.5	5	EPA300.0
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Sr		285.543	ug/L	27-Jun-17	0.132	1	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Sr		278.682	ug/L	29-Jun-17	0.132	1	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Sr		324.489	ug/L	12-Jul-17	0.132	1	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Sr		291.138	ug/L	12-Jul-17	0.132	1	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Sr		223.116	ug/L	25-Jul-17	0.132	1	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	TDS		450	mg/L	19-Jun-17	1	5	SM2540 C
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	TDS		462	mg/L	26-Jun-17	1	5	SM2540 C
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	TDS		478	mg/L	3-Jul-17	1	5	SM2540 C
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	TDS		524	mg/L	6-Jul-17	1	5	SM2540 C
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	TDS		308	mg/L	17-Jul-17	1	5	SM2540 C
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Ti		10.53	ug/L	27-Jun-17	0.474	2	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Ti	j	1.973	ug/L	29-Jun-17	0.474	2	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Ti	j	0.824	ug/L	12-Jul-17	0.474	2	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Ti		2.437	ug/L	12-Jul-17	0.474	2	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Ti		21.74	ug/L	25-Jul-17	0.474	2	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	TKN		1.285	mg/L	22-Jun-17	0.237	0.5	EPA351.2
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	TKN		0.844	mg/L	29-Jun-17	0.237	0.5	EPA351.2
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	TKN		0.897	mg/L	7-Jul-17	0.237	0.5	EPA351.2
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	TKN		0.932	mg/L	7-Jul-17	0.237	0.5	EPA351.2
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	TKN		1.219	mg/L	21-Jul-17	0.237	0.5	EPA351.2
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Tl	<	0.196	ug/L	27-Jun-17	0.196	1	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Tl	<	0.196	ug/L	29-Jun-17	0.196	1	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Tl	<	0.196	ug/L	12-Jul-17	0.196	1	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Tl	<	0.196	ug/L	12-Jul-17	0.196	1	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Tl	<	0.196	ug/L	25-Jul-17	0.196	1	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	TMET		29.3	ug/L	27-Jun-17	10		EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	TMET		17	ug/L	29-Jun-17	10		EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	TMET		15.2	ug/L	12-Jul-17	10		EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	TMET		17.1	ug/L	12-Jul-17	10		EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	TMET		38.6	ug/L	25-Jul-17	10		EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Total-P		0.097	mg/L	20-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Total-P		0.057	mg/L	22-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Total-P		0.045	mg/L	30-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Total-P		0.054	mg/L	6-Jul-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Total-P		0.164	mg/L	14-Jul-17	0.002	0.01	EPA365.1
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	TS		584	mg/L	16-Jun-17	1	5	SM2540 B
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	TS		556	mg/L	21-Jun-17	1	5	SM2540 B
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	TS		540	mg/L	29-Jun-17	1	5	SM2540 B
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	TS		472	mg/L	7-Jul-17	1	5	SM2540 B
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	TS		492	mg/L	12-Jul-17	1	5	SM2540 B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	TSS		51.2	mg/L	16-Jun-17	0.5	1	SM2540 D
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	TSS		5.8	mg/L	23-Jun-17	0.5	1	SM2540 D
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	TSS		1.7	mg/L	30-Jun-17	0.5	1	SM2540 D
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	TSS		4.6	mg/L	6-Jul-17	0.5	1	SM2540 D
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	TSS		115.5	mg/L	13-Jul-17	0.5	1	SM2540 D
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	TSS		115.5	mg/L	13-Jul-17	0.5	1	SM2540D
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Turbidity		56	NTU				EPA180.1
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Turbidity		7.35	NTU				EPA180.1
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Turbidity		2.73	NTU				EPA180.1
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Turbidity		5.29	NTU				EPA180.1
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Turbidity		125	NTU				EPA180.1
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	V	<	4.138	ug/L	27-Jun-17	4.138	10	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	V	<	4.138	ug/L	29-Jun-17	4.138	10	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	V	<	4.138	ug/L	12-Jul-17	4.138	10	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	V	<	4.138	ug/L	12-Jul-17	4.138	10	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	V	<	4.138	ug/L	25-Jul-17	4.138	10	EPA200.8
Rocky River	River Mile 8.30	6/15/2017 10:20	R-1706120004	Zn		14.91	ug/L	27-Jun-17	0.626	10	EPA200.8
Rocky River	River Mile 8.30	6/21/2017 9:40	R-1706190008	Zn	j	7.881	ug/L	29-Jun-17	0.626	10	EPA200.8
Rocky River	River Mile 8.30	6/28/2017 9:50	R-1706230002	Zn	j	6.392	ug/L	12-Jul-17	0.626	10	EPA200.8
Rocky River	River Mile 8.30	7/5/2017 9:50	R-1707030007	Zn	j	7.512	ug/L	12-Jul-17	0.626	10	EPA200.8
Rocky River	River Mile 8.30	7/12/2017 10:12	R-1707070020	Zn		20.54	ug/L	25-Jul-17	0.626	10	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	*CaCO3		200	mg/LCaCO3	27-Jun-17	1		EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	*CaCO3		216	mg/LCaCO3	27-Jun-17	1		EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	*CaCO3		201	mg/LCaCO3	29-Jun-17	1		EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	*CaCO3		193	mg/LCaCO3	24-Jul-17	1		EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	*CaCO3		182	mg/LCaCO3	12-Jul-17	1		EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	*CaCO3		129	mg/LCaCO3	25-Jul-17	1		EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Ag	<	0.254	ug/L	27-Jun-17	0.254	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Ag	<	0.254	ug/L	27-Jun-17	0.254	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Ag	<	0.254	ug/L	29-Jun-17	0.254	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Ag	<	0.254	ug/L	12-Jul-17	0.254	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Ag	<	0.254	ug/L	12-Jul-17	0.254	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Ag	<	0.254	ug/L	25-Jul-17	0.254	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Al		619.5	ug/L	27-Jun-17	5	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Al		566.8	ug/L	27-Jun-17	5	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Al		85.04	ug/L	29-Jun-17	5	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Al		57.21	ug/L	12-Jul-17	5	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Al		92.59	ug/L	12-Jul-17	5	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Al		2498	ug/L	25-Jul-17	5	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Alkalinity		116.4	mg/LCaCO3	20-Jun-17	4.4	10	EPA310.2
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Alkalinity		116.7	mg/LCaCO3	20-Jun-17	4.4	10	EPA310.2
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Alkalinity		119.9	mg/LCaCO3	27-Jun-17	4.4	10	EPA310.2
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Alkalinity		131.8	mg/LCaCO3	6-Jul-17	4.4	10	EPA310.2
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Alkalinity		130.3	mg/LCaCO3	6-Jul-17	4.4	10	EPA310.2
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Alkalinity		87.2	mg/LCaCO3	20-Jul-17	4.4	10	EPA310.2
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	As	j	1.302	ug/L	27-Jun-17	1.164	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	As	<	1.164	ug/L	27-Jun-17	1.164	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	As	<	1.164	ug/L	29-Jun-17	1.164	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	As	<	1.164	ug/L	12-Jul-17	1.164	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	As	<	1.164	ug/L	12-Jul-17	1.164	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	As	j	2.74	ug/L	25-Jul-17	1.164	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Ba		35.19	ug/L	27-Jun-17	0.268	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Ba		35.78	ug/L	27-Jun-17	0.268	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Ba		30.65	ug/L	29-Jun-17	0.268	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Ba		29.64	ug/L	12-Jul-17	0.268	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Ba		30.37	ug/L	12-Jul-17	0.268	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Ba		38.45	ug/L	25-Jul-17	0.268	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Be	<	0.188	ug/L	27-Jun-17	0.188	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Be	<	0.188	ug/L	27-Jun-17	0.188	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Be	<	0.188	ug/L	29-Jun-17	0.188	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Be	<	0.188	ug/L	12-Jul-17	0.188	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Be	<	0.188	ug/L	12-Jul-17	0.188	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Be	<	0.188	ug/L	25-Jul-17	0.188	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	BOD		5.4	mg/L	15-Jun-17	2		SM5210 B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	BOD		10.5	mg/L	15-Jun-17	2		SM5210 B
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	BOD	<	2	mg/L	21-Jun-17	2		SM5210 B
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	BOD	<	2	mg/L	29-Jun-17	2		SM 5210
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	BOD	<	2	mg/L	29-Jun-17	2		SM5210 B
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	BOD	<	2	mg/L	5-Jul-17	2		SM5210 B
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	BOD		2.1	mg/L	12-Jul-17	2		SM5210 B
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Ca		57030	ug/L	27-Jun-17	56.43	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Ca		63040	ug/L	27-Jun-17	56.43	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Ca		58360	ug/L	29-Jun-17	56.43	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Ca		55220	ug/L	24-Jul-17	56.43	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Ca		53980	ug/L	12-Jul-17	56.43	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Ca		37500	ug/L	25-Jul-17	56.43	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Cd	<	0.106	ug/L	27-Jun-17	0.106	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Cd	<	0.106	ug/L	27-Jun-17	0.106	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Cd	<	0.106	ug/L	29-Jun-17	0.106	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Cd	<	0.106	ug/L	12-Jul-17	0.106	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Cd	<	0.106	ug/L	12-Jul-17	0.106	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Cd	j	0.117	ug/L	25-Jul-17	0.106	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Chloride	AE		mg/L		2	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Chloride	AE		mg/L		2	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Chloride	AE		mg/L	17-Jul-17	2	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Chloride	AE		mg/L	17-Jul-17	2	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Chloride		107.8	mg/L	29-Jul-17	2	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Chloride		56.06	mg/L	9-Aug-17	2	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Chloride		56.06	mg/L	9-Aug-17	2	5	
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Co	j	0.932	ug/L	27-Jun-17	0.072	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Co	j	0.953	ug/L	27-Jun-17	0.072	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Co	j	0.553	ug/L	29-Jun-17	0.072	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Co	j	0.488	ug/L	12-Jul-17	0.072	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Co	j	0.488	ug/L	12-Jul-17	0.072	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Co		2.072	ug/L	25-Jul-17	0.072	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	COD		20.9	mg/L	26-Jun-17	4.6	10	EPA410.4
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	COD		18	mg/L	26-Jun-17	4.6	10	EPA410.4
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	COD		14.4	mg/L	27-Jun-17	4.6	10	EPA410.4
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	COD		13.9	mg/L	30-Jun-17	4.6	10	EPA410.4
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	COD		18	mg/L	7-Jul-17	4.6	10	EPA410.4
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	COD		20.7	mg/L	17-Jul-17	4.6	10	EPA410.4
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Conduct		762	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Conduct		777	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Conduct		835	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Conduct		834	uS/cm	11-Jul-17	0.5	1.1	SM 2510B
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Conduct		834	uS/cm	11-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Conduct		736	uS/cm	11-Jul-17	0.5	1.1	SM2510 B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Conduct		471.4	uS/cm	31-Jul-17	0.5	1.1	SM2510 B
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Cr		2.297	ug/L	27-Jun-17	0.954	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Cr		2.307	ug/L	27-Jun-17	0.954	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Cr	j	1.276	ug/L	29-Jun-17	0.954	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Cr	j	1.784	ug/L	12-Jul-17	0.954	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Cr	j	1.569	ug/L	12-Jul-17	0.954	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Cr		4.189	ug/L	25-Jul-17	0.954	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Cu		4.763	ug/L	27-Jun-17	0.22	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Cu		4.889	ug/L	27-Jun-17	0.22	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Cu		3.734	ug/L	29-Jun-17	0.22	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Cu		2.868	ug/L	12-Jul-17	0.22	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Cu		3.226	ug/L	12-Jul-17	0.22	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Cu		7.618	ug/L	25-Jul-17	0.22	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	DRPhos	j	0.007	mg/L	16-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	DRPhos	j	0.007	mg/L	16-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	DRPhos		0.013	mg/L	21-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	DRPhos		0.014	mg/L	28-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	DRPhos		0.022	mg/L	5-Jul-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	DRPhos		0.037	mg/L	12-Jul-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	E. coli		4620	MPN/100 mL	15-Jun-17	1		SM9223 Colilert
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	E. coli		3620	MPN/100 mL	15-Jun-17	1		SM9223 Colilert
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	E. coli		196	MPN/100 mL	21-Jun-17	1		SM9223 Colilert
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	E. coli		184	MPN/100 mL	28-Jun-17	1		SM9223 Colilert
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	E. coli		940	MPN/100 mL	5-Jul-17	1		SM9223 Colilert
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	E. coli		3028	MPN/100 mL	12-Jul-17	1		SM9223 Colilert
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	E. coli		3028	MPN/100 mL	12-Jul-17	1		
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Fe		1357	ug/L	27-Jun-17	4.208	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Fe		1307	ug/L	27-Jun-17	4.208	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Fe		349	ug/L	29-Jun-17	4.208	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Fe		362.9	ug/L	24-Jul-17	4.208	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Fe		418	ug/L	12-Jul-17	4.208	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Fe		4294	ug/L	25-Jul-17	4.208	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Field Cond		824.6	umhos/cm				SM 2510A
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Field Cond		824.6	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Field Cond		829.5	umhos/cm				SM 2510A
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Field Cond		829.5	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Field Cond		799.1	umhos/cm				SM 2510A
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Field Cond		799.1	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Field Cond		832.3	umhos/cm				SM 2510A
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Field Cond		832.3	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Field Cond		769.6	umhos/cm				SM 2510A
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Field Cond		769.6	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Field Cond		845.1	umhos/cm				SM 2510A

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Field Cond		845.1	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Field Cond		767.9	umhos/cm				SM 2510A
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Field Cond		767.9	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Field Cond		787.5	umhos/cm				SM 2510A
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Field Cond		787.5	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Field Cond		438	umhos/cm				SM 2510A
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Field Cond		438	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Field Cond		465	umhos/cm				SM 2510A
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Field Cond		465	umhos/cm				SM 2510B
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Field DO		7.37	mg/L				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Field DO		7.37	mg/L				
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Field DO		88.8	%				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Field DO		88.8	%				
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Field DO		8.12	mg/L				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Field DO		8.12	mg/L				
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Field DO		94.8	%				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Field DO		94.8	%				
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Field DO		101.2	%				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Field DO		101.2	%				
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Field DO		9.11	mg/L				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Field DO		9.11	mg/L				
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Field DO		8.38	mg/L				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Field DO		8.38	mg/L				
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Field DO		99.2	%				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Field DO		99.2	%				
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Field DO		7.9	mg/L				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Field DO		7.9	mg/L				
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Field DO		91	%				SM 4500-0 G
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Field DO		91	%				
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Field Temp		24.7	C				EPA 170.1
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Field Temp		22.9	C				EPA 170.1
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Field Temp		20.3	C				EPA 170.1
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Field Temp		23.7	C				EPA 170.1
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Field Temp		21.9	C				EPA 170.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Hg	<	0.025	ug/L	22-Jun-17	0.025	0.05	EPA245.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Hg	<	0.025	ug/L	22-Jun-17	0.025	0.05	EPA245.1
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Hg	<	0.025	ug/L	28-Jun-17	0.025	0.05	EPA245.1
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Hg	<	0.025	ug/L	12-Jul-17	0.025	0.05	EPA245.1
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Hg	<	0.025	ug/L	19-Jul-17	0.025	0.05	EPA245.1
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Hg	<	0.025	ug/L	24-Jul-17	0.025	0.05	EPA245.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	K		6283	ug/L	27-Jun-17	107.6	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	K		6310	ug/L	27-Jun-17	107.6	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	K		6481	ug/L	29-Jun-17	107.6	500	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	K		6666	ug/L	12-Jul-17	107.6	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	K		6008	ug/L	12-Jul-17	107.6	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	K		5049	ug/L	25-Jul-17	107.6	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Mg		13880	ug/L	27-Jun-17	24.11	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Mg		14190	ug/L	27-Jun-17	24.11	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Mg		13470	ug/L	29-Jun-17	24.11	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Mg		13300	ug/L	12-Jul-17	24.11	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Mg		11450	ug/L	12-Jul-17	24.11	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Mg		8521	ug/L	25-Jul-17	24.11	250	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Mn		54.12	ug/L	27-Jun-17	0.254	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Mn		55.17	ug/L	27-Jun-17	0.254	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Mn		10.94	ug/L	29-Jun-17	0.254	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Mn		11.67	ug/L	12-Jul-17	0.254	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Mn		17.85	ug/L	12-Jul-17	0.254	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Mn		141.8	ug/L	25-Jul-17	0.254	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Mo		4.152	ug/L	27-Jun-17	0.238	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Mo		4.114	ug/L	27-Jun-17	0.238	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Mo		6.055	ug/L	29-Jun-17	0.238	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Mo		5.356	ug/L	12-Jul-17	0.238	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Mo		5.559	ug/L	12-Jul-17	0.238	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Mo		2.566	ug/L	25-Jul-17	0.238	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Na		78500	ug/L	27-Jun-17	43.67	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Na		80560	ug/L	27-Jun-17	43.67	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Na		82640	ug/L	29-Jun-17	43.67	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Na		87300	ug/L	12-Jul-17	43.67	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Na		77380	ug/L	12-Jul-17	43.67	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Na		38980	ug/L	25-Jul-17	43.67	500	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	NH3		0.05	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	NH3		0.039	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	NH3	<	0.01	mg/L	22-Jun-17	0.01	0.02	EPA350.1
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	NH3	<	0.01	mg/L	29-Jun-17	0.01	0.02	EPA350.1
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	NH3	<	0.01	mg/L		0.01	0.02	EPA350.1
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	NH3		0.06	mg/L		0.01	0.02	EPA350.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Ni		5.507	ug/L	27-Jun-17	0.208	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Ni		5.674	ug/L	27-Jun-17	0.208	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Ni		4.545	ug/L	29-Jun-17	0.208	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Ni		4.075	ug/L	12-Jul-17	0.208	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Ni		4.194	ug/L	12-Jul-17	0.208	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Ni		7.155	ug/L	25-Jul-17	0.208	4	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	NO2		0.053	mg/L	16-Jun-17	0.005	0.02	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	NO2		0.053	mg/L	16-Jun-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	NO2		0.052	mg/L	16-Jun-17	0.005	0.02	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	NO2		0.052	mg/L	16-Jun-17	0.005	0.02	SM4500-NO2 B

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	NO2	j	0.012	mg/L	21-Jun-17	0.005	0.02	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	NO2	j	0.012	mg/L	21-Jun-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	NO2	<	0.005	mg/L	28-Jun-17	0.005	0.02	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	NO2	<	0.005	mg/L	28-Jun-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	NO2	j	0.009	mg/L	5-Jul-17	0.005	0.02	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	NO2	j	0.009	mg/L	5-Jul-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	NO2		0.042	mg/L	12-Jul-17	0.005	0.02	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	NO2		0.042	mg/L	12-Jul-17	0.005	0.02	SM4500-NO2 B
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	NO2		0.042	mg/L	12-Jul-17	0.005	0.02	
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	NO3		2.992	mg/L	22-Jun-17	0.02	0.04	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	NO3		2.992	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	NO3		2.996	mg/L	22-Jun-17	0.02	0.04	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	NO3		2.996	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	NO3		2.024	mg/L	22-Jun-17	0.02	0.04	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	NO3		2.024	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	NO3		1.68	mg/L	29-Jun-17	0.01	0.02	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	NO3		1.68	mg/L	29-Jun-17	0.01	0.02	EPA353.2
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	NO3		1.385	mg/L		0.01	0.02	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	NO3		1.385	mg/L		0.01	0.02	EPA353.2
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	NO3		1.116	mg/L		0.01	0.02	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	NO3		1.116	mg/L		0.01	0.02	EPA353.2
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	NO3		1.116	mg/L		0.01	0.02	
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	NO3+NO2		3.045	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	NO3+NO2		3.048	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	NO3+NO2		2.036	mg/L	22-Jun-17	0.02	0.04	EPA353.2
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	NO3+NO2		1.683	mg/L	29-Jun-17	0.01	0.02	EPA353.2
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	NO3+NO2		1.385	mg/L		0.01	0.02	EPA353.2
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	NO3+NO2		1.159	mg/L		0.01	0.02	EPA353.2
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Pb		1.262	ug/L	27-Jun-17	0.168	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Pb		1.254	ug/L	27-Jun-17	0.168	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Pb	j	0.236	ug/L	29-Jun-17	0.168	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Pb	j	0.196	ug/L	12-Jul-17	0.168	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Pb	j	0.289	ug/L	12-Jul-17	0.168	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Pb		3.756	ug/L	25-Jul-17	0.168	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	pH		7.9	S.U.				EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	pH		7.9	S.U.				
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	pH		8.25	S.U.				EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	pH		8.25	S.U.				
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	pH		8.33	S.U.				EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	pH		8.33	S.U.				
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	pH		8.1	S.U.				EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	pH		8.1	S.U.				
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	pH		7.9	S.U.				EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	pH		7.9	S.U.				
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Sb	<	0.794	ug/L	27-Jun-17	0.794	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Sb	<	0.794	ug/L	27-Jun-17	0.794	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Sb	<	0.794	ug/L	29-Jun-17	0.794	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Sb	<	0.794	ug/L	12-Jul-17	0.794	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Sb	<	0.794	ug/L	12-Jul-17	0.794	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Sb	<	0.794	ug/L	25-Jul-17	0.794	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Se	<	1.244	ug/L	27-Jun-17	1.244	5	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Se	<	1.244	ug/L	27-Jun-17	1.244	5	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Se	<	1.244	ug/L	29-Jun-17	1.244	5	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Se	<	1.244	ug/L	12-Jul-17	1.244	5	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Se	<	1.244	ug/L	12-Jul-17	1.244	5	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Se	<	1.244	ug/L	25-Jul-17	1.244	5	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Sn	<	1.336	ug/L	27-Jun-17	1.336	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Sn	<	1.336	ug/L	27-Jun-17	1.336	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Sn	<	1.336	ug/L	29-Jun-17	1.336	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Sn	<	1.336	ug/L	12-Jul-17	1.336	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Sn	<	1.336	ug/L	12-Jul-17	1.336	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Sn	<	1.336	ug/L	25-Jul-17	1.336	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	SO4	AE		mg/L		0.5	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	SO4	AE		mg/L		0.5	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	SO4	AE		mg/L	17-Jul-17	0.5	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	SO4	AE		mg/L	17-Jul-17	0.5	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	SO4		56.47	mg/L	29-Jul-17	0.5	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	SO4		29.38	mg/L	9-Aug-17	0.5	5	EPA300.0
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	SO4		29.38	mg/L	9-Aug-17	0.5	5	
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Sr		281.534	ug/L	27-Jun-17	0.132	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Sr		296.159	ug/L	27-Jun-17	0.132	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Sr		287.452	ug/L	29-Jun-17	0.132	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Sr		299.719	ug/L	12-Jul-17	0.132	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Sr		274.672	ug/L	12-Jul-17	0.132	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Sr		209.095	ug/L	25-Jul-17	0.132	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	TDS		480	mg/L	19-Jun-17	1	5	SM2540 C
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	TDS		466	mg/L	19-Jun-17	1	5	SM2540 C
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	TDS		492	mg/L	26-Jun-17	1	5	SM2540 C
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	TDS		502	mg/L	3-Jul-17	1	5	SM2540 C
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	TDS		468	mg/L	6-Jul-17	1	5	SM2540 C
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	TDS		294	mg/L	17-Jul-17	1	5	SM2540 C
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Ti		7.908	ug/L	27-Jun-17	0.474	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Ti		8.11	ug/L	27-Jun-17	0.474	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Ti	j	1.697	ug/L	29-Jun-17	0.474	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Ti	j	1.004	ug/L	12-Jul-17	0.474	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Ti	j	1.989	ug/L	12-Jul-17	0.474	2	EPA200.8

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Ti		22.01	ug/L	25-Jul-17	0.474	2	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	TKN		1.027	mg/L	22-Jun-17	0.237	0.5	EPA351.2
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	TKN		1.012	mg/L	22-Jun-17	0.237	0.5	EPA351.2
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	TKN		0.9	mg/L	29-Jun-17	0.237	0.5	EPA351.2
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	TKN		0.79	mg/L	7-Jul-17	0.237	0.5	EPA-351.1
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	TKN		0.79	mg/L	7-Jul-17	0.237	0.5	EPA351.2
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	TKN		0.871	mg/L	7-Jul-17	0.237	0.5	EPA351.2
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	TKN		1.083	mg/L	21-Jul-17	0.237	0.5	EPA351.2
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Tl	<	0.196	ug/L	27-Jun-17	0.196	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Tl	<	0.196	ug/L	27-Jun-17	0.196	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Tl	<	0.196	ug/L	29-Jun-17	0.196	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Tl	<	0.196	ug/L	12-Jul-17	0.196	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Tl	<	0.196	ug/L	12-Jul-17	0.196	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Tl	<	0.196	ug/L	25-Jul-17	0.196	1	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	TMET		24.1	ug/L	27-Jun-17	10		EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	TMET		24.8	ug/L	27-Jun-17	10		EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	TMET		15.6	ug/L	29-Jun-17	10		EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	TMET		13.4	ug/L	12-Jul-17	10		EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	TMET		13.3	ug/L	12-Jul-17	10		EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	TMET		41.7	ug/L	25-Jul-17	10		EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Total-P		0.07	mg/L	20-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Total-P		0.082	mg/L	20-Jun-17	0.002	0.01	EPA 365.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Total-P		0.082	mg/L	20-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Total-P		0.039	mg/L	22-Jun-17	0.002	0.01	EPA 365.1
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Total-P		0.039	mg/L	22-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Total-P		0.037	mg/L	29-Jun-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Total-P		0.049	mg/L	6-Jul-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Total-P		0.187	mg/L	14-Jul-17	0.002	0.01	EPA365.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	TS		548	mg/L	16-Jun-17	1	5	SM2540 B
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	TS		568	mg/L	16-Jun-17	1	5	SM2540 B
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	TS		548	mg/L	21-Jun-17	1	5	SM2540 B
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	TS		480	mg/L	29-Jun-17	1	5	SM2540 B
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	TS		440	mg/L	7-Jul-17	1	5	SM2540 B
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	TS		428	mg/L	12-Jul-17	1	5	SM2540 B
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	TSS		38.6	mg/L	16-Jun-17	0.5	1	SM2540 D
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	TSS		38	mg/L	16-Jun-17	0.5	1	SM2540 D
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	TSS		2.4	mg/L	23-Jun-17	0.5	1	SM2540 D
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	TSS		2.1	mg/L	30-Jun-17	0.5	1	SM2540 D
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	TSS		5	mg/L	6-Jul-17	0.5	1	SM2540 D
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	TSS		5	mg/L	6-Jul-17	0.5	1	SM2540D
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	TSS		138	mg/L	13-Jul-17	0.5	1	SM2540 D
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Turbidity		39.5	NTU				EPA180.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Turbidity		37.8	NTU				EPA180.1

Waterbody	Sample Location	Sample Date	Sample ID	Parameter	Code	Result	Units	Analysis Date	MDL	PQL	Method
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Turbidity		4.04	NTU				EPA180.1
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Turbidity		4.45	NTU				EPA180.1
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Turbidity		5.3	NTU				EPA180.1
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Turbidity		164	NTU				EPA180.1
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	V	<	4.138	ug/L	27-Jun-17	4.138	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	V	<	4.138	ug/L	27-Jun-17	4.138	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	V	<	4.138	ug/L	29-Jun-17	4.138	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	V	<	4.138	ug/L	12-Jul-17	4.138	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	V	<	4.138	ug/L	12-Jul-17	4.138	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	V	j	4.518	ug/L	25-Jul-17	4.138	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120005	Zn		11.57	ug/L	27-Jun-17	0.626	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/15/2017 11:05	R-1706120006	Zn		11.96	ug/L	27-Jun-17	0.626	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/21/2017 10:10	R-1706190009	Zn	j	6.012	ug/L	29-Jun-17	0.626	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	6/28/2017 10:25	R-1706230003	Zn	j	4.709	ug/L	12-Jul-17	0.626	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/5/2017 10:19	R-1707030008	Zn	j	4.293	ug/L	12-Jul-17	0.626	10	EPA200.8
Rocky River	River Mile 2.50 (EM11)	7/12/2017 10:51	R-1707070021	Zn		22.71	ug/L	25-Jul-17	0.626	10	EPA200.8

Appendix G: 2017 Surface Water Condition Sampling Field Sheets

FB-1707070001 Field Bla
Field Blank
Sample Date: 7/11/2017
ne-A HNO3-B H2SO4-C Na2S2O3-E

R-1707070012
River Mile 7.00
Sample Date: 7/11/2017
ne-A HNO3-B H2SO4-C Na2S2O3-E

R-1707070011
River Mile 8.60
Sample Date: 7/11/2017
ne-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga River Date: 7/11/17 Collectors: K. Amidon / H. Boesinger

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) / NO

Water Quality Meters Used: 1000 XL "A" / HACH 120227-5068

Time (hrs): 0915 River Mile (Site): RM 7.00

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: N/A

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 578 Sp. Cond. (µmhos/cm): 631
Dissolved Oxygen (mg/L): 7.88 D.O. (%): 87.6
Temperature (°C): 20.58 pH (s.u.): 7.46

Turbidity 1 (NTU): 38.3 Turbidity 2 (NTU): 40.2 Average (NTU): 39.3 x 10 = 393

General Comments: FB = 0.27 / 0.21 = 0.24 NTU Avg

Time (hrs): 0955 River Mile (Site): RM 8.100

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: N/A

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 545 Sp. Cond. (µmhos/cm): 595
Dissolved Oxygen (mg/L): 7.87 D.O. (%): 88.0
Temperature (°C): 20.58 pH (s.u.): 7.44

Turbidity 1 (NTU): 28.3 Turbidity 2 (NTU): 30.3 Average (NTU): 29.3 x 10 = 293

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga RIVER Date: 7/11/17 Collectors: V. Amidon / H. Biesinger

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) / NO

Water Quality Meters Used: ODO XL "A" / HACH 120227-5008

R-1707070008 Cuyahoga River River Mile 11.30 Sample Date: 7/11/2017 Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1135 River Mile (Site): RM 11.30

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: N/A

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 513 Sp. Cond. (µmhos/cm): 560

Dissolved Oxygen (mg/L): 8.12 D.O. (%): 90.7

Temperature (°C): 20.62 pH (s.u.): 7.70

Turbidity 1 (NTU): 27.9 Turbidity 2 (NTU): 28.9 Average (NTU): 28.4 X 10 = 284

General Comments: _____

R-1707070007 Cuyahoga River River Mile 12.10 Sample Date: 7/11/2017 Ione-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1205 River Mile (Site): RM 12.10

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: N/A

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 533 Sp. Cond. (µmhos/cm): 580

Dissolved Oxygen (mg/L): 8.11 D.O. (%): 90.7

Temperature (°C): 20.76 pH (s.u.): 7.70

Turbidity 1 (NTU): 20.6 Turbidity 2 (NTU): 19.9 Average (NTU): 20.3 X 10 = 203

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuy. Date: 7/18/17 Collectors: Sudlen/Velez

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / (NO)

Water Quality Meters Used: EXO "D" / HACH 120277-6003

R-1707130008 Cuyahoga River River Mile 7.00 Sample Date: 7/18/2017 -A HNO3-B H2SO4-C Na2S2O3-E

Sample ID:

Time (hrs): 9:25 River Mile (Site): 7.0

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: not installed

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: _____

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 883 Sp. Cond. (µmhos/cm): 916

Dissolved Oxygen (mg/L): 7.5 D.O. (%): 88.

Temperature (°C): 23.12 pH (s.u.): 7.6

Turbidity 1 (NTU): 18.0 Turbidity 2 (NTU): 18.0 Average (NTU): 18.0

General Comments: _____

R-1707130007 Cuyahoga River River Mile 8.60 Sample Date: 7/18/2017 -A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:05 River Mile (Site): 8.60

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: not installed

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 863 Sp. Cond. (µmhos/cm): 895

Dissolved Oxygen (mg/L): 7.8 D.O. (%): 92%

Temperature (°C): 23.16 pH (s.u.): 7.7

Turbidity 1 (NTU): 17.1 Turbidity 2 (NTU): 18.4 Average (NTU): 17.8

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuy Date: 7/18/17 Collectors: Sochicki / Velez

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / (NO)

Water Quality Meters Used: EXO 1 D / HACH 120227-5003

Time (hrs): 12:45 River Mile (Site): 11.30

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: not installed

Color: (Clear) Muddy (Tea) Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 840 Sp. Cond. (µmhos/cm): 854

Dissolved Oxygen (mg/L): ~~8.18~~ NV 8.5 D.O. (%): ~~98.1~~ NV 102

Temperature (°C): ~~24.55~~ NV 24.16 pH (s.u.): ~~7.58~~ NV 8.0

Turbidity 1 (NTU): 13.2 Turbidity 2 (NTU): 12.7 Average (NTU): 13.0

General Comments: Sonde frozen and we had to take batteries out to reboot.

R-1707130004 Cuyahoga River River Mile 11.30 Sample Date: 7/18/2017 Sample-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1315 River Mile (Site): 12.10

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 841 Sp. Cond. (µmhos/cm): 853

Dissolved Oxygen (mg/L): 8.7 D.O. (%): 104 %

Temperature (°C): 24.27 pH (s.u.): 8.1

Turbidity 1 (NTU): 13.6 Turbidity 2 (NTU): 13.4 Average (NTU): 13.5

General Comments: took duplicate
Dup. Turb = 11.8 / 11.6 = 171.7 NTU AVG

R-1707130011 R-1707130003 Cuyahoga River River Mile 12.10 Sample Date: 7/18/2017 Sample-A HNO3-B H2SO4-C Na2S2O3-E

R-1707210013 Cuyahoga River River Mile 7.00 Sample Date: 7/25/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

R-1707210014 Cuyahoga River River Mile 7.00 Sample Date: 7/25/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

R-1707210012 Cuyahoga River River Mile 8.60 Sample Date: 7/25/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 7/25/17 Collectors: Denise P. / Mark M

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / (NO)

Water Quality Meters Used: EXO 1 "D" / HACH 120227-5003

Time (hrs): 9.20 am River Mile (Site): Cuyahoga 7.00

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: could not locate

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 785.6 Sp. Cond. (µmhos/cm): 839.7

Dissolved Oxygen (mg/L): 7.75 D.O. (%): 88.2

Temperature (°C): 21.631 pH (s.u.): 7.73

Turbidity 1 (NTU): 12.7 Turbidity 2 (NTU): 13.4 Average (NTU): 13.1

General Comments: Dup Turb 1 12.7 Turb 2 13.4 Average 13.1

Time (hrs): 10:02 River Mile (Site): 8.6 cuyahoga

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: could not locate

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 787.6 Sp. Cond. (µmhos/cm): 841.9

Dissolved Oxygen (mg/L): 7.77 D.O. (%): 88.4

Temperature (°C): 21.630 pH (s.u.): 7.74

Turbidity 1 (NTU): 12.0 Turbidity 2 (NTU): 12.9 Average (NTU): 12.5

General Comments: Field Blank Turb 1 0.42 Turb 2 0.66 Average 0.8

FB-1707210002
Field Blank Field Blank
Sample Date: 7/25/2017
None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 7/25/17 Collectors: Denise P / Mark M.

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / (NO)

Water Quality Meters Used: EXO 1 "D" / HACH 120227-5003

Time (hrs): 12:05 pm River Mile (Site): RM 11.30

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: Did not locate

Color: Clear Muddy (Tea) Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 755.3 Sp. Cond. (µmhos/cm): 798.1

Dissolved Oxygen (mg/L): 8.14 D.O. (%): 94

Temperature (°C): 22.2 pH (s.u.): 7.9

Turbidity 1 (NTU): 8.57 Turbidity 2 (NTU): 9.05 Average (NTU): 8.8

General Comments: _____

R-1707210009 Cuyahoga River River Mile 11.30 Sample Date: 7/25/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 12:31 River Mile (Site): 12.10

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: could not locate.

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 755.3 Sp. Cond. (µmhos/cm): 798.3

Dissolved Oxygen (mg/L): 8.3 D.O. (%): 95

Temperature (°C): 22.176 pH (s.u.): 8.0

Turbidity 1 (NTU): 9.88 Turbidity 2 (NTU): 9.72 Average (NTU): 9.8

General Comments: _____

R-1707210008 Cuyahoga River River Mile 12.10 Sample Date: 7/25/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga River Date: 8/1/17 Collectors: DF | DP

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / (NO)

Water Quality Meters Used: ExoIC / HACH 120227-5003

Time (hrs): 0915 River Mile (Site): 7.00

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1064 Sp. Cond. (µmhos/cm): 1102

Dissolved Oxygen (mg/L): 7.8 D.O. (%): 91

Temperature (°C): 23.21 pH (s.u.): 7.9

Turbidity 1 (NTU): 3.3 Turbidity 2 (NTU): 3.6 Average (NTU): 3.5

General Comments: _____

R-1707310011 River Mile 7.00
Cuyahoga River Sample Date: 8/1/2017
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0945 River Mile (Site): 8.60

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1067 Sp. Cond. (µmhos/cm): 1107

Dissolved Oxygen (mg/L): 8.3 D.O. (%): 97

Temperature (°C): 23.10 pH (s.u.): 8.0

Turbidity 1 (NTU): 2.2 Turbidity 2 (NTU): 2.1 Average (NTU): 2.2

General Comments: _____

R-1707310010 River Mile 8.60
Cuyahoga River Sample Date: 8/1/2017
None-A HNO3-B H2SO4-C Na2S2O3-E

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga Date: 8/1/17 Collectors: Phillips D. / Friedman D

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: EXO C. / HACH 120227-5003

R-1707310007 Cuyahoga River River Mile 11.30
R-1707310012 Cuyahoga River River Mile 11.30
Sample Date: 8/1/2017
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1140 River Mile (Site): 11.30

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: could not locate

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1083 Sp. Cond. (µmhos/cm): 1108

Dissolved Oxygen (mg/L): 9.7 D.O. (%): 105

✓ Temperature (°C): 23.78 pH (s.u.): 8.3

Turbidity 1 (NTU): 3.3 Turbidity 2 (NTU): 3.2 Average (NTU): 3.3

General Comments: Dup 2 @ 2.9 2.9

R-1707310006 Cuyahoga River River Mile 12.10
Sample Date: 8/1/2017
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1155 River Mile (Site): 12.10

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: could not locate

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1085 Sp. Cond. (µmhos/cm): 1112

Dissolved Oxygen (mg/L): 9.3 D.O. (%): 115

✓ Temperature (°C): 23.75 pH (s.u.): 8.3

Turbidity 1 (NTU): 3.0 Turbidity 2 (NTU): 3.0 Average (NTU): 3.0

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga River Date: 8/8/17 Collectors: K. Amidon / M. Muany

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES (NO)

Water Quality Meters Used: EXO1 "C" / HACH 12022T-5003

Time (hrs): 0900 River Mile (Site): 7.00

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 909 Sp. Cond. (µmhos/cm): 971

Dissolved Oxygen (mg/L): 7.8 D.O. (%): 88

Temperature (°C): 21.010 pH (s.u.): 7.8

Turbidity 1 (NTU): 5.4 Turbidity 2 (NTU): 4.7 Average (NTU): 5.1

General Comments: _____

R-1708070009 Cuyahoga River River Mile 7.00 Sample Date: 8/8/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0935 River Mile (Site): 8.60

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 927 Sp. Cond. (µmhos/cm): 993

Dissolved Oxygen (mg/L): 7.9 D.O. (%): 90

Temperature (°C): 21.50 pH (s.u.): 7.9

Turbidity 1 (NTU): 4.3 Turbidity 2 (NTU): 4.7 Average (NTU): 4.5

General Comments: _____

R-1708070008 Cuyahoga River River Mile 8.60 Sample Date: 8/8/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Cuyahoga River Date: 8/8/17 Collectors: K. Amidon / M. Mianu

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES (NO)

Water Quality Meters Used: EXO1 "C" / HACH 120227-5003

Time (hrs): 10:55 River Mile (Site): 11.30

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: (Dry) Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 953 Sp. Cond. (µmhos/cm): 1017

Dissolved Oxygen (mg/L): 8.6 D.O. (%): 98

Temperature (°C): 21.71 pH (s.u.): 8.2

Turbidity 1 (NTU): 5.4 Turbidity 2 (NTU): 5.0 Average (NTU): 5.2

General Comments: _____

R-1708070005 River Mile 11.30
Cuyahoga River
Sample Date: 8/8/2017
None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1120 River Mile (Site): 12.10

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 957 Sp. Cond. (µmhos/cm): 1021

Dissolved Oxygen (mg/L): 8.7 D.O. (%): 99

Temperature (°C): 21.74 pH (s.u.): 8.2

Turbidity 1 (NTU): 5.1 Turbidity 2 (NTU): 5.8 Average (NTU): 5.5

General Comments: _____

R-1708070004 River Mile 12.10
Cuyahoga River
Sample Date: 8/8/2017
None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Creek Date: 06/15/2017 Collectors: E. Soehnlen N. Aron
U. Boesinger

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: XO1 Unit D

R-1706120008 Euclid Creek River Mile 0.55 (EM5) Sample Date: 6/15/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0920 River Mile (Site): Euclid Creek 0.55

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: installed today

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1185.9 Sp. Cond. (µmhos/cm): 1249.3

Dissolved Oxygen (mg/L): 8.21 D.O. (%): 95.2

Temperature (°C): 22.546 pH (s.u.): 7.86

Turbidity 1 (NTU): 2.32 Turbidity 2 (NTU): 2.49 Average (NTU): 2.41

General Comments: _____

R-1706120009 Euclid Creek River Mile 1.65 Sample Date: 6/15/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:05 River Mile (Site): RM 1.65

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: Just Installed today

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 1176.5 Sp. Cond. (µmhos/cm): 1236.1

Dissolved Oxygen (mg/L): 9.4 D.O. (%): ESS ~~1236.1~~ 7.89

Temperature (°C): 22.465 pH (s.u.): 7.85

Turbidity 1 (NTU): 1.92 Turbidity 2 (NTU): 1.89 Average (NTU): 1.91

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft^3/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Creek Date: 6/21/17 Collectors: F. Rivera / K. Amidon

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) NO

Water Quality Meters Used: EXO1 "C" / HACH 120227-SD03

Time (hrs): 0915 River Mile (Site): 0.55

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 629.4 Sp. Cond. (µmhos/cm): 707.9

Dissolved Oxygen (mg/L): 9.23 D.O. (%): 100.1

Temperature (°C): 19.193 pH (s.u.): 7.99

Turbidity 1 (NTU): 4.21 Turbidity 2 (NTU): 4.27 Average (NTU): 4.24

General Comments: _____

R-1706160002 Euclid Creek River Mile 0.55 (EM5) Sample Date: 6/21/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0945 River Mile (Site): 1.65

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 639.5 Sp. Cond. (µmhos/cm): 721.9

Dissolved Oxygen (mg/L): 8.84 D.O. (%): 95.6

Temperature (°C): 19.031 pH (s.u.): 7.97

Turbidity 1 (NTU): 4.07 Turbidity 2 (NTU): 3.83 Average (NTU): 3.95

General Comments: Duplicate turb: 3.92 / 4.38 = 4.15 NTU Avg.

R-1706160003 Euclid Creek River Mile 1.65 Sample Date: 6/21/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

R-1706190004 Euclid Creek River Mile 1.65 Sample Date: 6/21/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Modified January 28, 2015

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft^3/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Date: 6/28/17 Collectors: HOTHEM / VELEZ

Gage Station and ID: RM 0.55 + 1.65 Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) / NO

Water Quality Meters Used: YSI A

R-1706190002 Euclid Creek River Mile 0.55 (EM5) Sample Date: 6/28/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:12 River Mile (Site): 0.55

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 799 Sp. Cond. (µmhos/cm): 938

Dissolved Oxygen (mg/L): 9.34 D.O. (%): 97.7 %

Temperature (°C): 17.19 pH (s.u.): 8.03

Turbidity 1 (NTU): 2.75 Turbidity 2 (NTU): 2.52 Average (NTU): 2.64

General Comments: _____

R-1706190003 Euclid Creek River Mile 1.65 Sample Date: 6/28/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 9:42 River Mile (Site): 1.65

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 779 Sp. Cond. (µmhos/cm): 925

Dissolved Oxygen (mg/L): 9.54 D.O. (%): 99.5

Temperature (°C): 16.70 pH (s.u.): 7.97

Turbidity 1 (NTU): 3.20 Turbidity 2 (NTU): 2.87 Average (NTU): 3.04

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft^3/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

R-1707030005
Euclid Creek River Mile 0.55 (EM
Sample Date: 7/5/2017
HNO3-B H2SO4-C Na2S2O3-E

FB-1707030001
Field Blank Field Blank
Sample Date: 7/5/2017
one-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Creek Date: 7/5/17 Collectors: MM/M²

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: Exo "G"

Time (hrs): 9:30 River Mile (Site): 0.55

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

ow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

D Status: OK Other: missing/buried

olor: Clear Muddy Tea Milky Other: _____

dor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

rface Coating: None Foam Oily Scum Other: _____

eld Parameters: Conductivity (µmhos/cm): 894.5 Sp. Cond. (µmhos/cm): 979.5

Dissolved Oxygen (mg/L): 9.40 D.O. (%): 104.5

Temperature (°C): 20.47 pH (s.u.): 8.02

Turbidity 1 (NTU): 2.59 Turbidity 2 (NTU): 2.61 Average (NTU): 2.60

eneral Comments: _____

Time (hrs): 10:00 River Mile (Site): Euclid 1.65

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: missing/buried

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 851.0 Sp. Cond. (µmhos/cm): 940.7

Dissolved Oxygen (mg/L): 8.80 D.O. (%): 97.0

Temperature (°C): 19.99 pH (s.u.): 7.92

Turbidity 1 (NTU): 2.34 Turbidity 2 (NTU): 2.35 Average (NTU): 2.35

General Comments: _____

R-1707030006
lid Creek River Mile 1.65
Sample Date: 7/5/2017
one-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Euclid Creek Date: 7/12/2017 Collectors: F. Rivera, N. Aron, J. Telep

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) / NO

Water Quality Meters Used: EXO-1 'D'

Time (hrs): 9:45 River Mile (Site): RM 0.55

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 728 Sp. Cond. (µmhos/cm): 769

Dissolved Oxygen (mg/L): 8.0 D.O. (%): 92

Temperature (°C): ~~22.0~~ NLA 22.20 pH (s.u.): 7.8

Turbidity 1 (NTU): 4.3 Turbidity 2 (NTU): 4.7 Average (NTU): 4.5

General Comments: _____

R-1707070014 Euclid Creek River Mile 0.55 (EM5) Sample Date: 7/12/2017 HNO3-B H2SO4-C Na2S2O3-E One-A

Time (hrs): 10:10 River Mile (Site): RM 1.65

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated - slightly) Flood

HD Status: (OK) Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 714 Sp. Cond. (µmhos/cm): 757

Dissolved Oxygen (mg/L): 8.3 D.O. (%): 95

Temperature (°C): 22.03 pH (s.u.): 7.9

Turbidity 1 (NTU): 1.8 Turbidity 2 (NTU): 1.7 Average (NTU): 1.8

General Comments: _____

R-1707070015 Euclid Creek River Mile 1.65 Sample Date: 7/12/2017 HNO3-B H2SO4-C Na2S2O3-E One-A

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Sample ID: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

Sample ID: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Rocky River Date: 6/15/17 Collectors: Huthem/Matteson

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) NO

Water Quality Meters Used: Exo "C"

R-1706120004 Rocky River River Mile 8.30 Sample Date: 6/15/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1020 River Mile (Site): 8.30

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: (OK) Other: _____

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 735.1 Sp. Cond. (µmhos/cm): 754.7

Dissolved Oxygen (mg/L): 7.56 D.O. (%): 89.4

Temperature (°C): 23.648 pH (s.u.): 7.97

Turbidity 1 (NTU): 56.5 Turbidity 2 (NTU): 55.5 Average (NTU): 56.0

General Comments: _____

R-1706120005 R-1706120006 Rocky River River Mile 2.50 (EM11) Sample Date: 6/15/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1105 River Mile (Site): 2.50

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: (OK) Other: _____

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 824.6 Sp. Cond. (µmhos/cm): 829.5

Dissolved Oxygen (mg/L): 7.37 D.O. (%): 86.8

Temperature (°C): 24.684 pH (s.u.): 7.90

Turbidity 1 (NTU): 39.7 Turbidity 2 (NTU): 39.3 Average (NTU): 39.5

General Comments: Duplicate Turb 37.3 38.5 37.8

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft^3/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Rocky River Date: 06/21/17 Collectors: C. Zemborsky/E. Seehausen/S. Foley

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) / NO

Water Quality Meters Used: EXO1 D

Time (hrs): 9:40 River Mile (Site): 8.30

Weather: Clear ~~Partly Cloudy~~ Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK (Other:) washed out

Color: Clear Muddy (Tea) Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 727.7 Sp. Cond. (µmhos/cm): 802.9

Dissolved Oxygen (mg/L): 8.40 D.O. (%): 92.9

Temperature (°C): 20.103 pH (s.u.): 7.91

Turbidity 1 (NTU): 7.25 Turbidity 2 (NTU): 7.45 Average (NTU): 7.35

General Comments: _____

R-1706190008 Rocky River River Mile 8.30 Sample Date: 6/21/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 10:10 River Mile (Site): 2.50

Weather: Clear ~~Partly Cloudy~~ Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 799.1 Sp. Cond. (µmhos/cm): 832.3

Dissolved Oxygen (mg/L): 8.12 D.O. (%): 94.8

Temperature (°C): 22.913 pH (s.u.): 8.25

Turbidity 1 (NTU): 4.30 Turbidity 2 (NTU): 3.77 Average (NTU): 4.04

General Comments: _____

R-1706190009 Rocky River River Mile 2.50 (EM11) Sample Date: 6/21/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft^3/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID: _____

General Comments: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID: _____

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Rocky River Date: 10/28/17 Collectors: K.Amidon/N.Amon

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / (NO)

Water Quality Meters Used: EXO 1 "D" / HACH 12D227-5003

Time (hrs): 1025 River Mile (Site): Rocky RM 2.50

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 769.6 Sp. Cond. (µmhos/cm): 845.1

Dissolved Oxygen (mg/L): 9.11 D.O. (%): 101.2

Temperature (°C): 20.321 pH (s.u.): 8.33

Turbidity 1 (NTU): 4.46 Turbidity 2 (NTU): 4.44 Average (NTU): 4.45

General Comments: _____

R-1706230003 Rocky River River Mile 2.50 (EM11) Sample Date: 6/28/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0950 River Mile (Site): Rocky RM 8.30

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: OK (Other: unknown)

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: blebbles

Field Parameters: Conductivity (µmhos/cm): 720.4 Sp. Cond. (µmhos/cm): 839.2

Dissolved Oxygen (mg/L): 9.35 D.O. (%): 98.1

Temperature (°C): 17.591 pH (s.u.): 8.10

Turbidity 1 (NTU): 2.70 Turbidity 2 (NTU): 2.76 Average (NTU): 2.73

General Comments: _____

R-1706230002 Rocky River River Mile 8.30 Sample Date: 6/28/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft^3/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

Sample ID: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

Sample ID: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Rocky River Date: 7/5/17 Collectors: D.Friedman, S.Foley

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / (NO)

Water Quality Meters Used: EXO1 C

R-1707030007 Rocky River River Mile 8.30 Sample Date: 7/5/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 0950 River Mile (Site): Rocky River 8.30

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: (OK) Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 762.4 Sp. Cond. (µmhos/cm): 821.3

Dissolved Oxygen (mg/L): 9.62 D.O. (%): 109.5

Temperature (°C): 21.247 pH (s.u.): 8.17

Turbidity 1 (NTU): 5.49 Turbidity 2 (NTU): 5.08 Average (NTU): 5.29

General Comments: _____

R-1707030008 Rocky River River Mile 2.50 (EM11) Sample Date: 7/5/2017 None-A HNO3-B H2SO4-C Na2S2O3-E

Time (hrs): 1019 River Mile (Site): Rocky River 2.50

Weather: (Clear) Partly Cloudy Overcast Light Rain/Showers Heavy Rain Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal (Baseline/Normal) Elevated Flood

HD Status: (OK) Other: _____

Color: (Clear) Muddy Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 767.9 Sp. Cond. (µmhos/cm): 787.5

Dissolved Oxygen (mg/L): 8.38 D.O. (%): 99.2

Temperature (°C): 23.70 pH (s.u.): 8.1

Turbidity 1 (NTU): 5.27 Turbidity 2 (NTU): 5.32 Average (NTU): 5.30

General Comments: _____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft^3/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

_____

_____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

_____

_____

NEORSD Surface Water Condition Sampling Field Data Form

Stream: Rocky Date: 7/12/17 Collectors: Soehnlen/Boesinger

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? (YES) NO

Water Quality Meters Used: EXO1 "G"

R-1707070020 Rocky River River Mile 8.30 Sample Date: 7/12/2017 Na2S2O3-E HNO3-B H2SO4-C Sampone-A

Time (hrs): 1012 River Mile (Site): 8.30

Weather: Clear Partly Cloudy (Overcast) Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: unknown, River too muddy

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 478.0 (478) Sp. Cond. (µmhos/cm): 506.3 (506)

Dissolved Oxygen (mg/L): 8.09 (8.1) D.O. (%): 92.7 (93)

Temperature (°C): 22.08 (22.08) pH (s.u.): 7.90 (7.9)

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: _____

R-1707070021 Rocky River River Mile 2.50 (EM11) Sample Date: 7/12/2017 Na2S2O3-E HNO3-B H2SO4-C one-A

Time (hrs): 1051 River Mile (Site): Rocky 2.5

Weather: Clear (Partly Cloudy) Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal (Elevated) Flood

HD Status: OK Other: unknown, River too muddy

Color: Clear (Muddy) Tea Milky Other: _____

Odor: (Normal) Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: (None) Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): 437.8 (438) Sp. Cond. (µmhos/cm): 465.3 (465)

Dissolved Oxygen (mg/L): 7.94 (7.9) D.O. (%): 90.7 (91)

Temperature (°C): 21.894 (21.89) pH (s.u.): 7.89 (7.9)

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

General Comments: FB collected at 1045

FB-1707070002

Field Blank Field Blank

Sample Date: 7/12/2017

one-A HNO3-B H2SO4-C Na2S2O3-E

NEORSD Surface Water Condition Sampling Field Data Form

Stream: _____ Date: _____ Collectors: _____

Gage Station and ID: _____ Daily Mean Discharge: _____ ft³/sec

Was this sample taken during or following a wet weather event? YES / NO

Water Quality Meters Used: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

Time (hrs): _____ River Mile (Site): _____

Weather: Clear Partly Cloudy Overcast Light Rain/Showers Heavy Rain
Steady Rain Heavy Snow Melt Other: _____

Flow: Dry Intermittent Minimal Baseline/Normal Elevated Flood

HD Status: OK Other: _____

Color: Clear Muddy Tea Milky Other: _____

Odor: Normal Petroleum Anaerobic Sewage Chemical Other: _____

Surface Coating: None Foam Oily Scum Other: _____

Field Parameters: Conductivity (µmhos/cm): _____ Sp. Cond. (µmhos/cm): _____

Dissolved Oxygen (mg/L): _____ D.O. (%): _____

Temperature (°C): _____ pH (s.u.): _____

Turbidity 1 (NTU): _____ Turbidity 2 (NTU): _____ Average (NTU): _____

Sample ID:

General Comments: _____

ATTACHMENT 1:

Appendix 3 Green Infrastructure Site-Specific Flow Monitoring Performance Summaries for:

Fleet Avenue Green Infrastructure Project

Green Ambassador Urban Agriculture

Green Ambassador Fairhill/MLK



CSO CD and NPDES Permit Performance Compliance Project (PCP)

WBS No. 1407

FGI, GAFM & GAUA GIPCMP Site-Specific Performance Summary

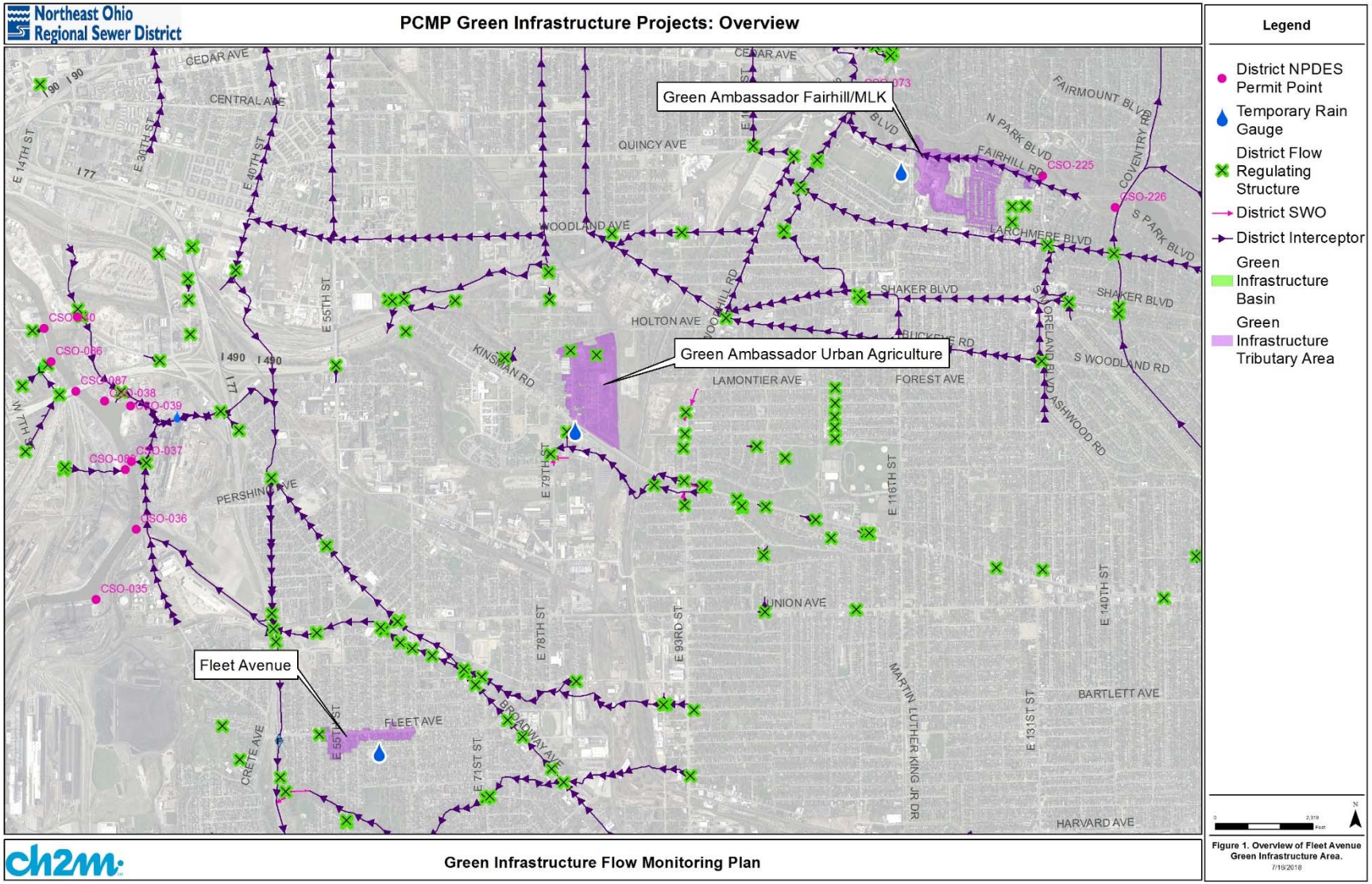
July 13, 2018

WADE TRIM

PROJECT CLEAN LAKE

Northeast Ohio Regional Sewer District

Phase 2 GI Site-Specific Assessment Overview



Phase 2 GI PCMP Site-Specific Assessment Purpose & Approach

- Flow Monitoring & Data Analysis
  - Monitor GI performances & submit data to EPA per Appendix 3 of CD
- Evaluate existing GI model representations using FM data
  - Assess modeled GI representation
  - Calibrate updated representation
- Reassess CD projections of CSO reduction performance with Appendix 1 “gray” + Appendix 3 “green” controls
  - Incorporate updated GI representations in CD models

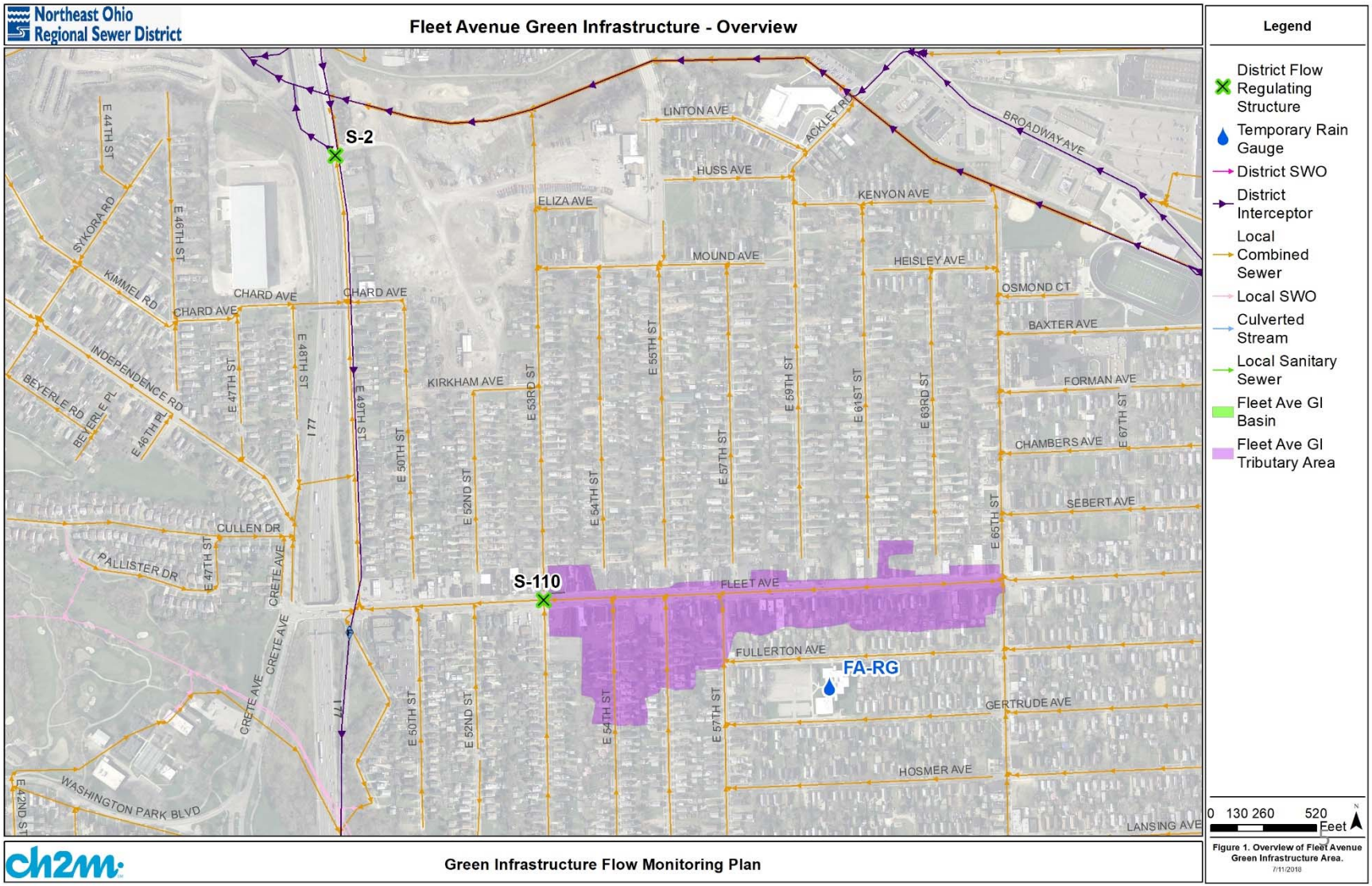
Phase 2 GI PCMP Site-Specific Assessment
Flow Monitoring & Data Analysis

- FMP: March 2017 – March 2018

Project Site	Flow Monitors	Level Sensors	Rain Gauges
Fleet Avenue	2	1	1
Green Ambassador Fairhill/MLK	5	0	1
Green Ambassador Urban Agriculture	4	0	1

- Data Analysis
  - Mass balance discrepancies – GAFM and GAUA
  - Low depth, low velocity
  - Dry pipes
  - Small tributary areas
  - Prioritized estimation of flow returning to combined system
  - Considerations:
    - All data with equal time intervals (i.e. no gaps) was deemed valid for analysis unless otherwise noted.
    - If the quantity of rain events above the design storm cause an equivalent number of overflows in the basin within a +/-10% error – the basin is operating as designed .
    - Inflows will never exceed outflows.
    - Outflows stop when the variance of the level data for the past 1-hour interval appear to stabilize.

Phase 2 GI Site-Specific Assessment: Fleet Avenue Green Infrastructure



PHASE 2 SITE-SPECIFIC

Figure 3d: Fleet Ave. Green Infrastructure

Schematic

Monitor

Existing Combined Manhole or Junction

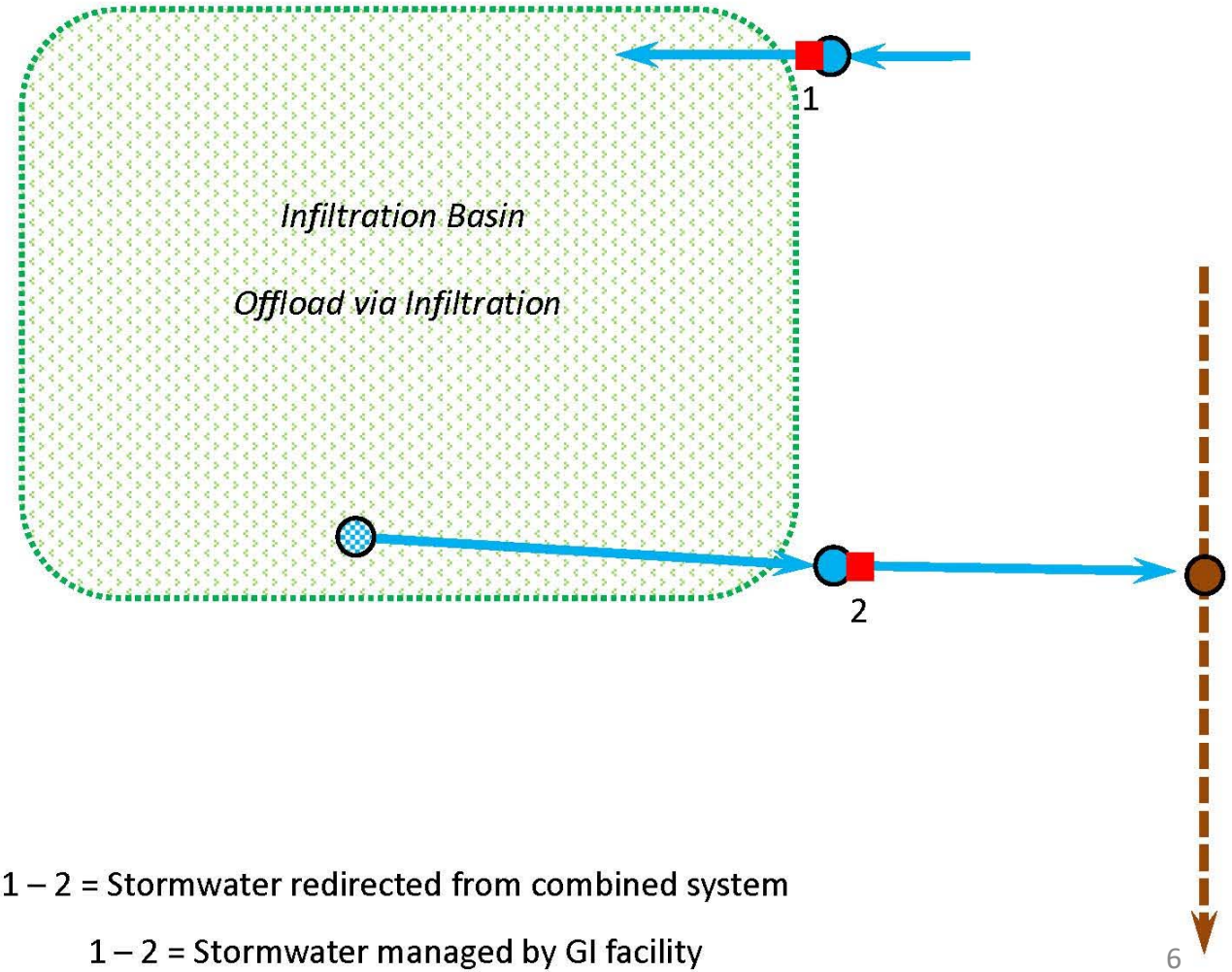
Stormwater Manhole or Junction

Outlet

Existing Combined Sewer

Storm Sewer

GI Facility



1 – 2 = Stormwater redirected from combined system

1 – 2 = Stormwater managed by GI facility

Fleet Avenue Green Infrastructure
Infiltration Basin: Fleet Avenue View



Fleet Avenue Green Infrastructure
Infiltration Basin Inlet: E 53rd St. View



Fleet Avenue Green Infrastructure Project Overview

Infiltration Basin designed to intercept runoff prior to inlet to combined sewer system on Fleet Ave and detain/infiltrate into ground. Excess wet weather is diverted into combined system.

Stormwater Control Measure	BODR Infiltration Rate	Model Calibrated Infiltration Rate	BODR Drainage Area (acres)	Calculated Drainage Area based on As-built Conditions[1] (acres)
Infiltration Basin	2.41 inches/hour*	6.33 inches/hour	15.2	15.3

*Based off soil textural analysis of site soils and Rawls Rates

[1] *Delineated by PCP team per as-built conditions, based off GIS DCIA and overland flow routes*

- Design Storm: Typical Year Storms
- Validated tributary area depicted in BODR
- Assessed basin operation per FMP data
- Update Southerly CSO model representation as needed

Fleet Avenue Green Infrastructure Monitoring Data Summary

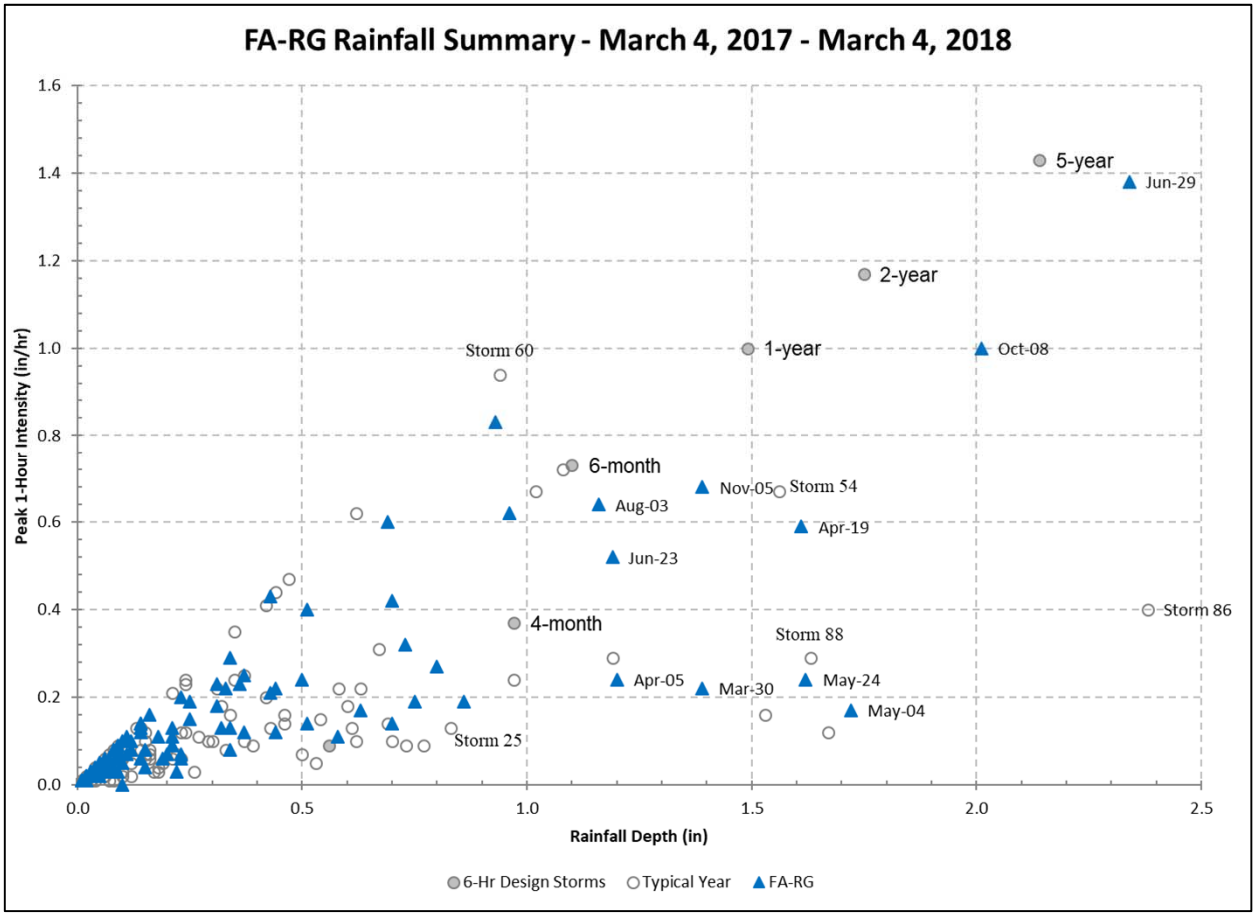
- Rainfall, depth and velocity data collected from 3/4/2017-3/4/2018
- Level sensor recorded depth in the infiltration basin observation well from 3/4/2017-7/15/2018 and was replaced with a District level sensor
- Total Rainfall: 38.42 inches
- Individual Rain Events (12-hour inter-event): 112 events
  - Calibration Rain Events (depth>0.20 inches and intensity>0.25 in/hr): 16
- Total Inflow Duration: 40.2 days
  - Defined as total time flows are greater than 0 MGD
- Total Inflow Volume: 7.14 MG
  - Does not include overland runoff or direct precipitation onto rain garden
- Total Outflow Duration: 0.51 days
  - Defined as total time flows are greater than 0 MGD
  - The sum of all outflow was found to be less than 0.01 MG
  - NEORSD believed the cause depth and velocity recorded during the April 19, 2017 event were caused by leakage through the stop logs on the nearby bypass. As a result the flow monitor was moved following this event.
  - Flows were measured during the June 29, 2017 event, however the total volume was below the District detection threshold of 0.01 MG
- Individual Overflows Observed in Data:
  - April 19, 2017 – False positive, believe due to leakage in stop logs, not actually overflow event, adjusted meter installation to standard install to resolve in future events
  - June 29, 2017 – Influent meter is believe to underpredict event, other monitors suggest overflow did occur
  - October 8, 2017 – Influent meter is believe to be unreliable depth/velocity for event based on comparison in response from another comparable event
- Maintenance Activities:
  - Blocked overflow grate was cleared July 2017, which may have potentially inhibited flow during the April 19 and June 29, 2017 events
  - Catch basin cleaning August 2017, resulting in lowered metered depths during rain events
- Gaps in data:
  - Dead battery prevented data collection at the temporary rain gauge from 11/10/2017 – 11/21/2017
  - Inflow data missing from 8/8/2017 – 8/10/2017 (battery) and 12/25/2017 – 1/4/2018 (meter)
  - Outflow data missing from 11/21/2017 – 11/30/2017 (meter)

Fleet Avenue Green Infrastructure
Observed vs Design Event Comparisons

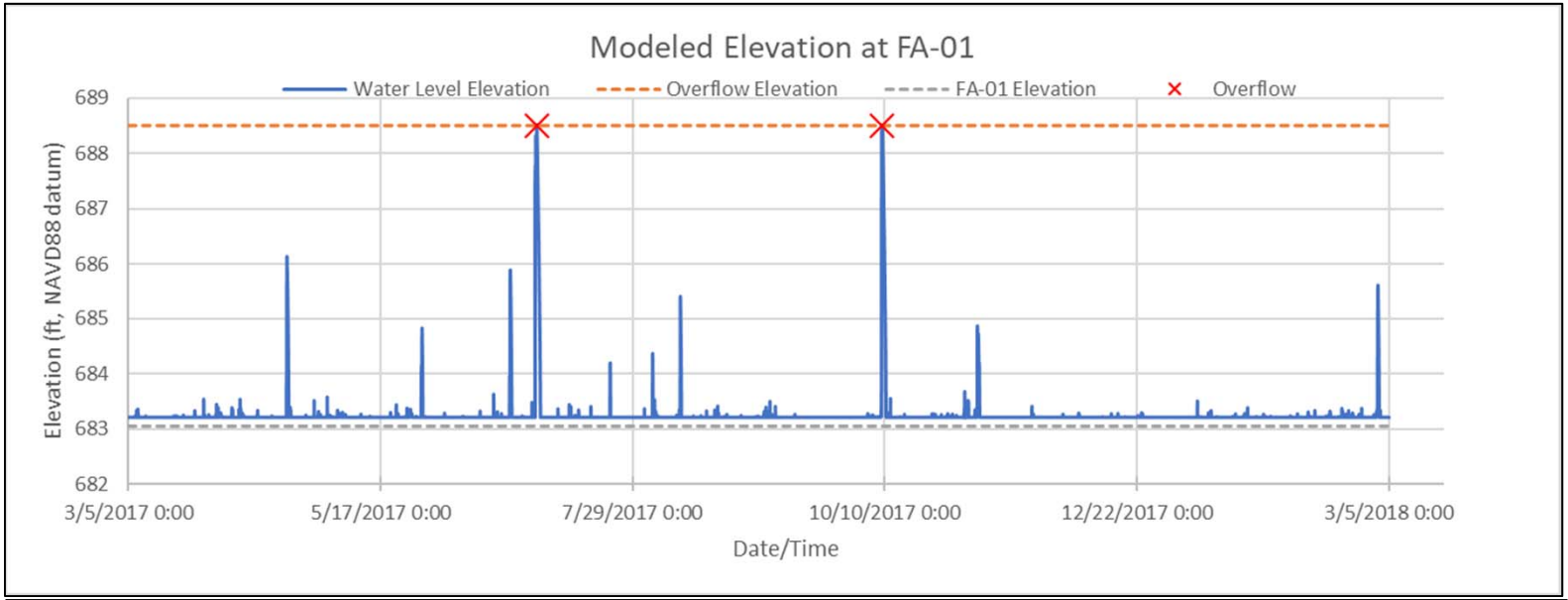
- No recorded events exceeded the intensity of the 5-year 6-hour design storm
- Water elevation in basin expected to reach overflow structure during the June 29th and October 8th events.

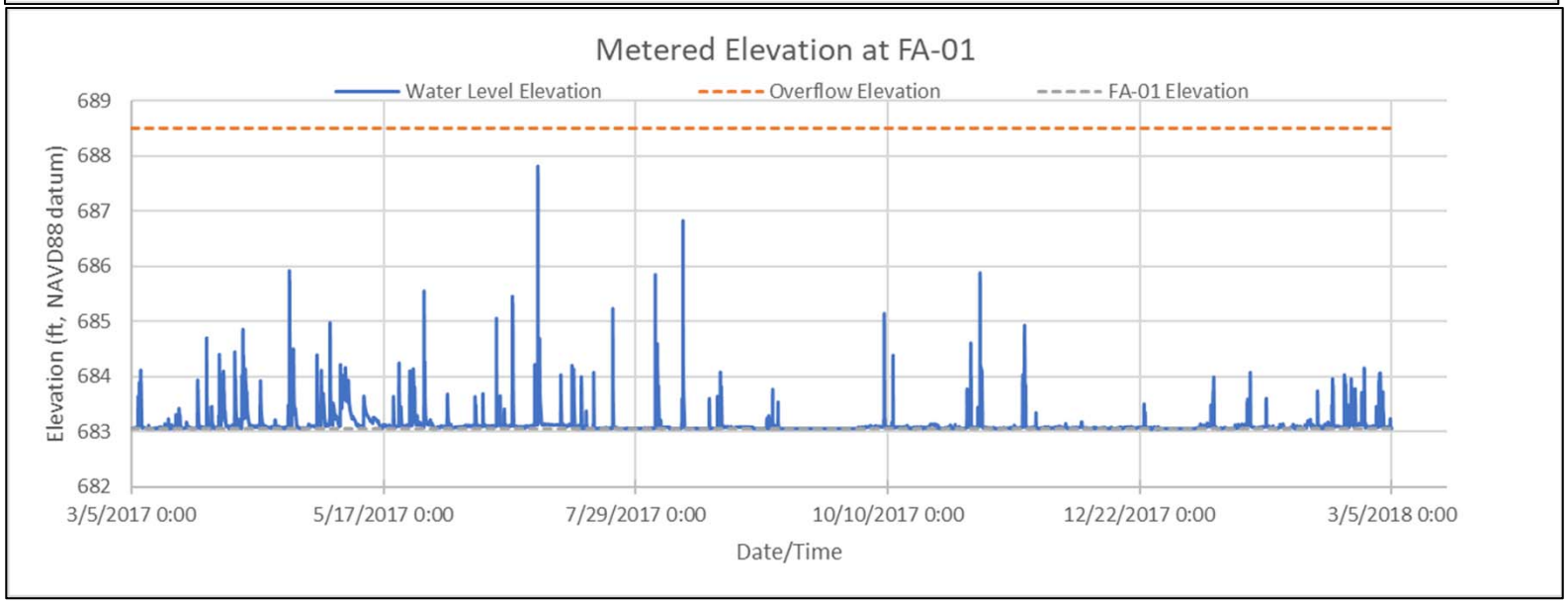
Storm Event	Rainfall Volume (in)	Peak 1-Hour Intensity (in/hr)
5-year 6-hour Design Storm	2.20	1.40
June 29, 2017	2.34	1.38
October 8, 2017	2.01	1.00

Fleet Avenue Green Infrastructure Event Comparison



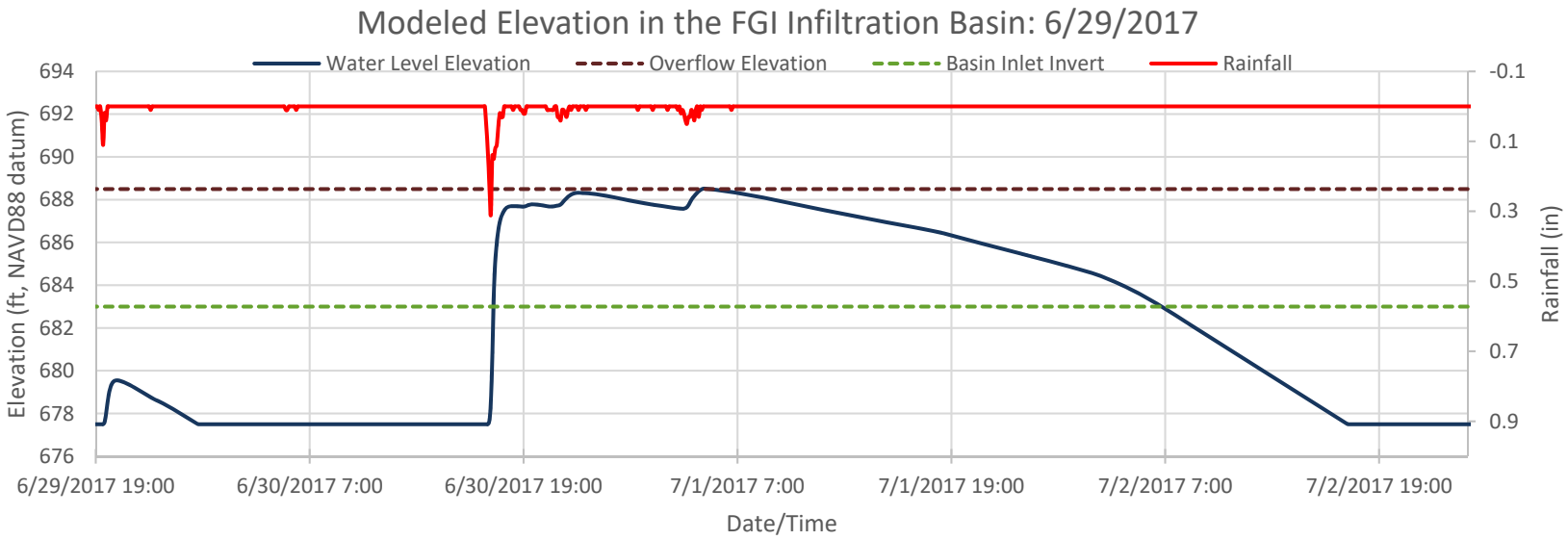
- 16 recorded events with rainfall depths exceeding 0.25 inch per hour chosen for analysis
  - 16 events accounted for 16.16 inches of the 38.42 inches of rainfall.





- Basin exceeds designed retention volume
- 2 modeled events generated a depth in the basin that exceeded the elevation of the overflow structure, June 29, 2017 and October 8, 2017. Total overflow volume is less than 0.01 MG. Consistent with flows recorded at FA-02.
- October 9 event – questionable velocity and depth

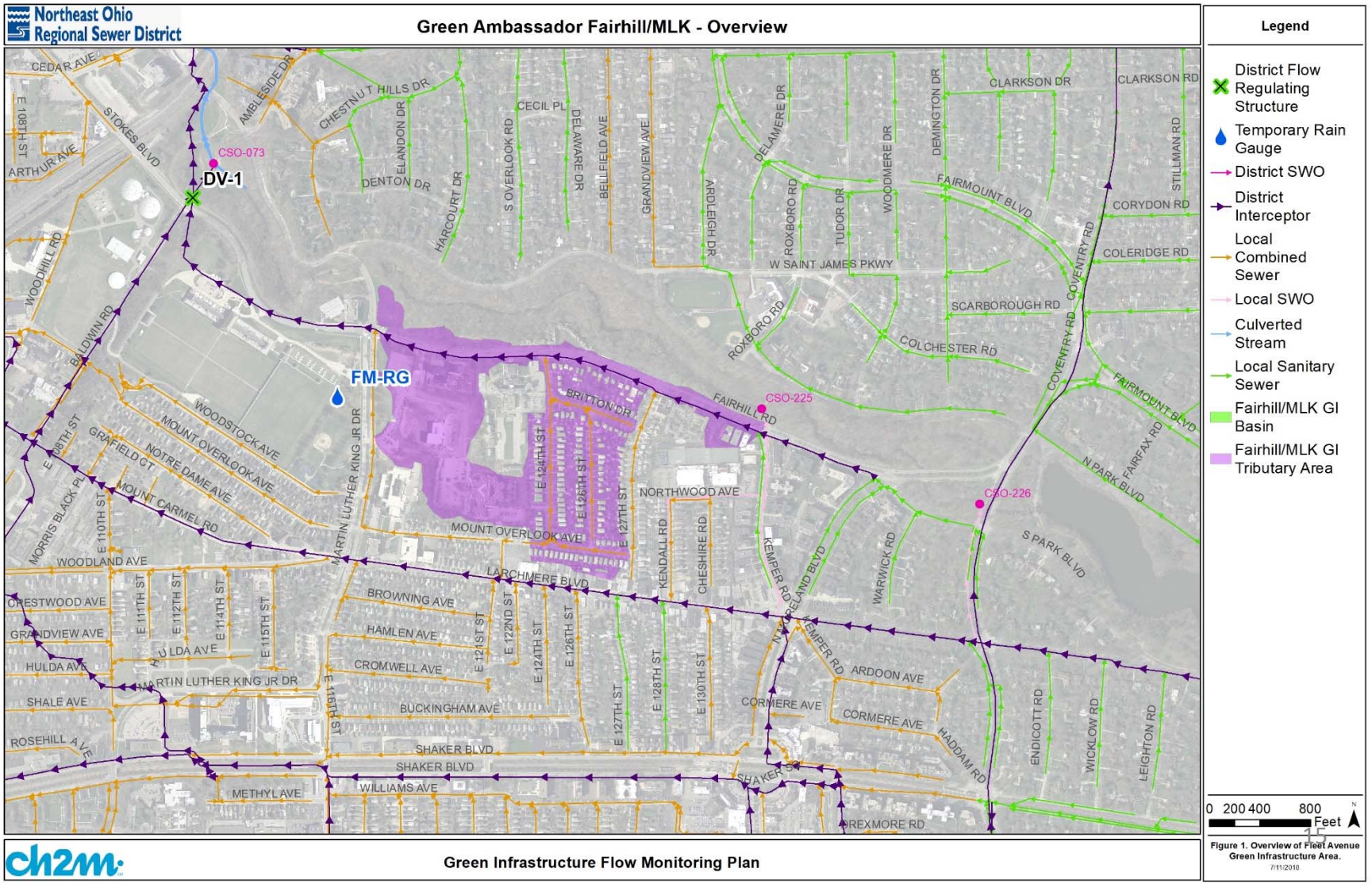
Fleet Avenue Green Infrastructure
Infiltration Basin Performance per June 29, 2017 Event



Storm Duration: 35.58 hours
Storm Volume: 2.34 inches
Storm Peak Intensity: 1.38 in/hr
Outflow Duration: 11 hours
Outflow Volume: 2701 gallons

- Illustrates basin exceeding design volume of Typical Year Storms, capturing up to 5-year volumes

Phase 2 GI Site-Specific Assessment: Green Ambassador Fairhill/MLK

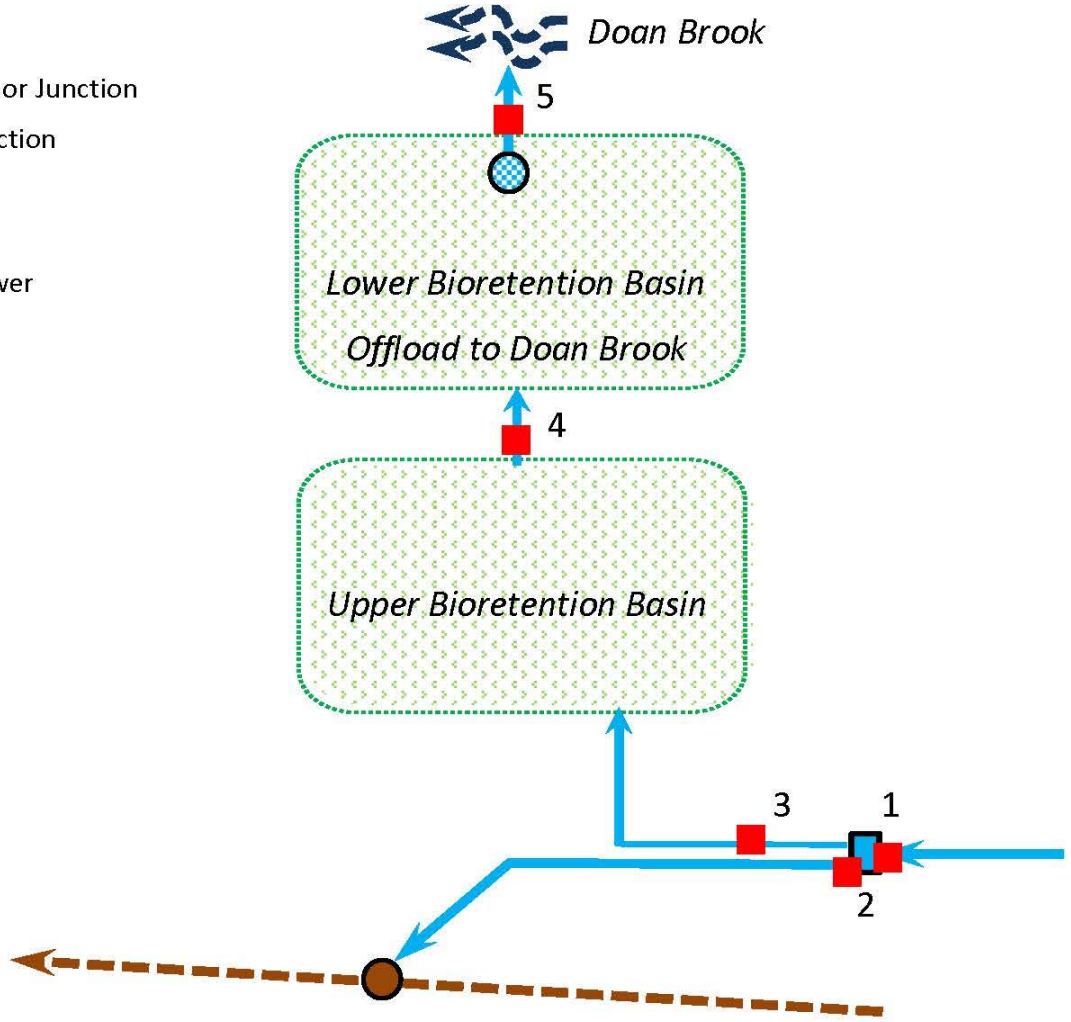


PHASE 2 SITE-SPECIFIC

Figure 3f: Green Ambassador Fairhill/MLK

Schematic

- Monitor
- Existing Combined Manhole or Junction
- Stormwater Manhole or Junction
- Outlet
- Diversion Structure
- Existing Combined Sewer
- Storm Sewer
- Stream
- GI Facility



1 – 2 = Stormwater redirected from combined system

(1 – 2) - 3 = Stormwater managed by GI facility

4 - 3 = Stormwater managed by the Upper Basin

5 - 4 = Stormwater managed by the Lower Basin

Green Ambassador Fairhill/MLK Bioretention Basins



Green Ambassador Fairhill/MLK Upper Basin



Green Ambassador Fairhill/MLK Lower Basin



Green Ambassador Fairhill/MLK Project Overview

Two Bioretention Basins designed to intercept runoff that previously entered the combined sewer upstream on Fairhill Ave. Excess wet weather runoff is diverted into combined system on Fairhill Ave for events exceeding Typical Year events.

Stormwater Control Measure	BODR WQv +20% for Sediment (MG) *	BODR Basin Ponding Depth	BODR Design Storm Drawdown Time (hr)	BODR Drainage Area (acres)*	Calculated Drainage Area based on As-built Conditions[1] (acres)
Upper Basin	0.5	806.84	33.0	58.73	38.4
Lower Basin	----------	801.60	38.8	----------	

*Calculated WQv + 20% capacity and drainage area value is for both basins

[1] *Delineated by PCP team per as-built conditions, based off GIS DCIA and overland flow routes*

- Design Storm: Capture Typical Year
- Validated tributary area depicted in BODR
- Assessed basin operation per FMP data
- Update Easterly CSO model representation as needed

Green Ambassador Fairhill/MLK Monitoring Data Summary

- Rainfall and depth and velocity data collected from 3/4/2017-3/4/2018
- Total Rainfall: 37.53 inches
- Individual Rain Events (12-hour inter-event): 106 events
  - Calibration Rain Events (depth>0.20 inches and intensity>0.25 in/hr): 19
- Total Inflow to the Upper Basin Volume: 10.48 MG
  - Constant inflow recorded into the basin
- Total Outflow from the Upper Basin Volume: 4.28 MG
- Total Outflow from the Upper Basin Duration: 28.86 days
  - Defined as total time flows are greater than 0 MGD
- Total Outflow to the Doan Brook Duration: 6.34 days
  - Defined as total time flows are greater than 0 MGD
  - 10 individual events observed for a total volume of 0.46 MG
- Maintenance Activities:
  - Boulders were pushed back from the curb cuts to allow additional surface runoff to entering the basin
  - Catch basin cleaning September 2017, did not have any noticeable effect on metered depth
  - Retrofit was performed to the Upper basin forebay to address a sinkhole that had formed and caused a failure of the retaining wall
- Gaps in data:
  - Flow monitor FM-04 failed and did not record data April 13-14, 2017

Green Ambassador Fairhill/MLK
Data Analysis - Flow Discrepancy

- Mass balance discrepancies observed at FM-01, FM-02, and FM-03 for events <0.25 in/hr intensity
- Constant baseflow detected in monitors upstream of the upper basin and diversion structure.
- Performed Fire Hydrant Test to determine:
  - Whether clean water impacted the flow monitor ability to record accurate data
  - Whether a relationship could be determined between the two flow monitors
  - Validate initial velocity spike in data observed at beginning of each event
- Test performed with fire hydrant 600 ft upstream of the upper basin at three flow rates
  - 30%, 60%, and 90% open
- Test confirmed:
  - Clean water had no noticeable effect on monitor performance.
  - Data quality issues during low flow conditions due to equipment limitations.
  - Initial velocity spike is a real phenomenon for dry pipe conditions
  - No extrapolatable factor to align flow between the two flow monitors.
    - Justifiable edits were made to velocity gains during storms occurring after the test.
  - Only storms with a peak intensity >0.25 in/hr and total volume exceeding 0.5 inch should be considered reliable.

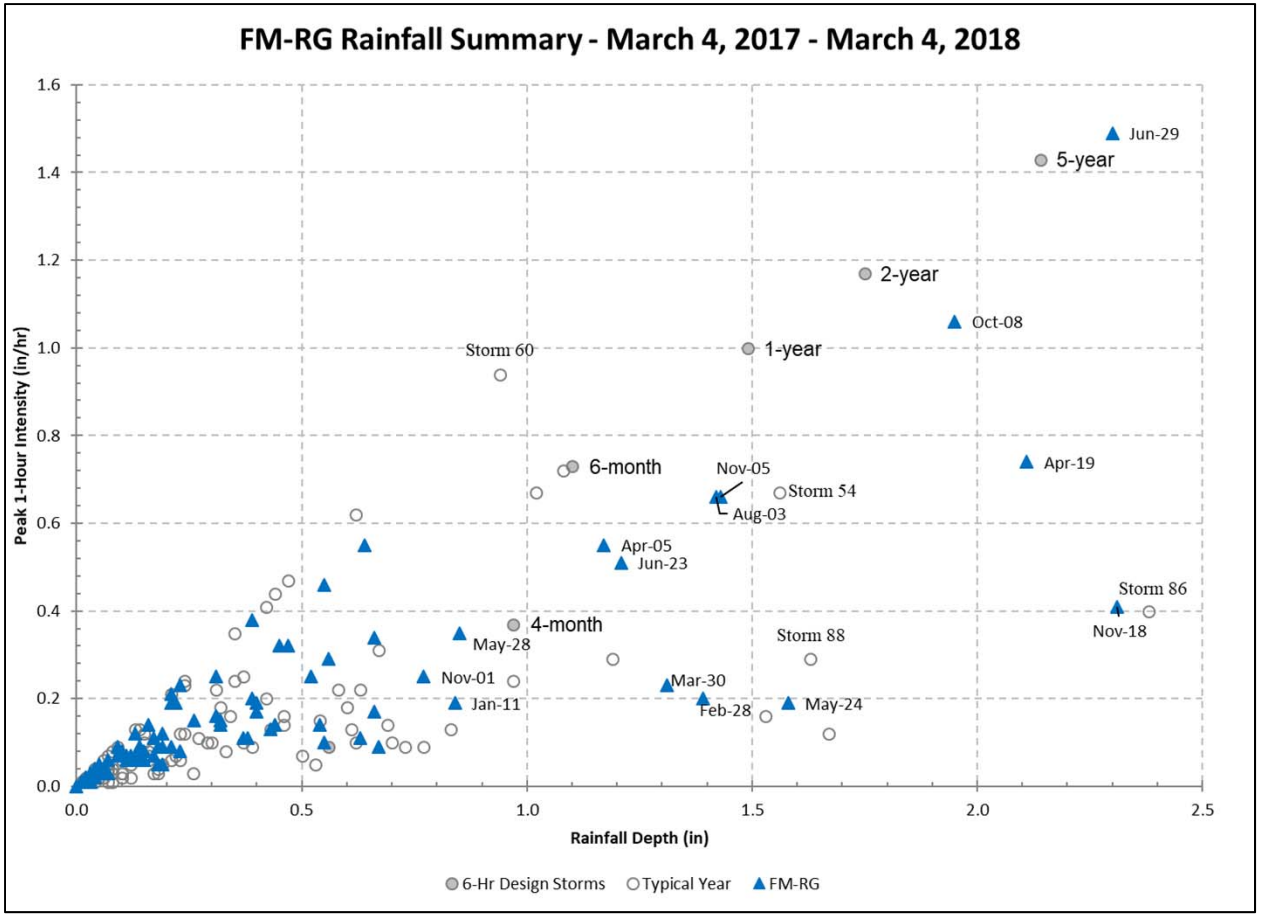
Flow Balance	FMP Total	Large Events
FM-01 = FM-02 + FM-03	27%	11%
FM-03 ≥ FM-04	40%	10%
FM-04 ≥ FM-05	32%	24%

Green Ambassador Fairhill/MLK
Observed vs Design Event Comparisons

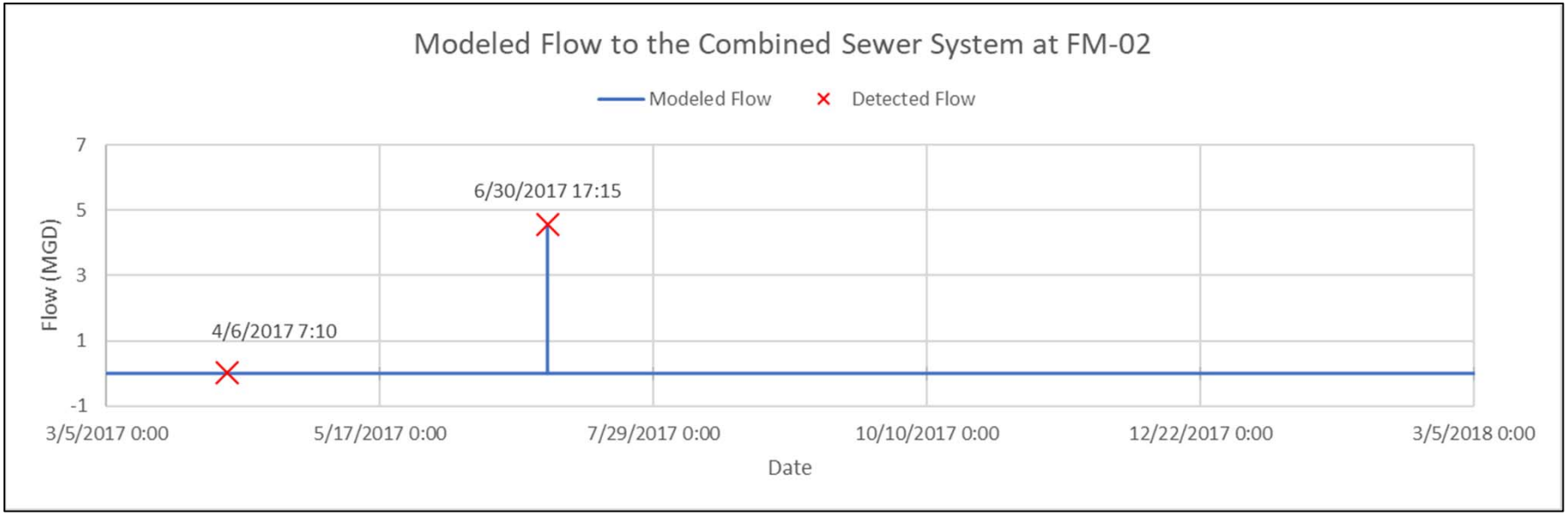
- FM-02 (basin bypass to combined) detected flow during 10 events
  - 3 observed events exceeded the 4th largest Typical Year storm intensity
  - 4 observed events exceeded the 4th largest Typical Year storm volume

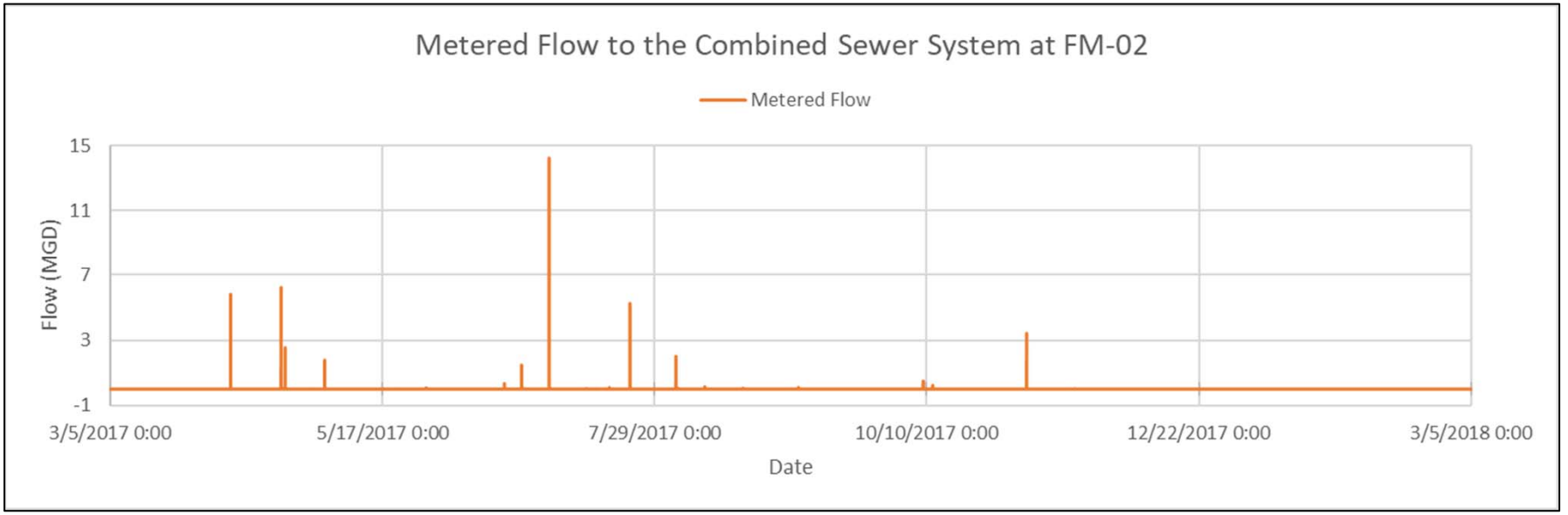
Storm Event	Rainfall Volume (in)	Peak 1-Hour Intensity (in/hr)
Storm 54	1.56	0.67
Storm 81	1.02	0.67
April 19, 2017	2.11	0.74
June 29, 2017	2.30	1.49
October 8, 2017	1.95	1.06
November 18, 2017	2.31	0.41

Green Ambassador Fairhill/MLK Event Comparison



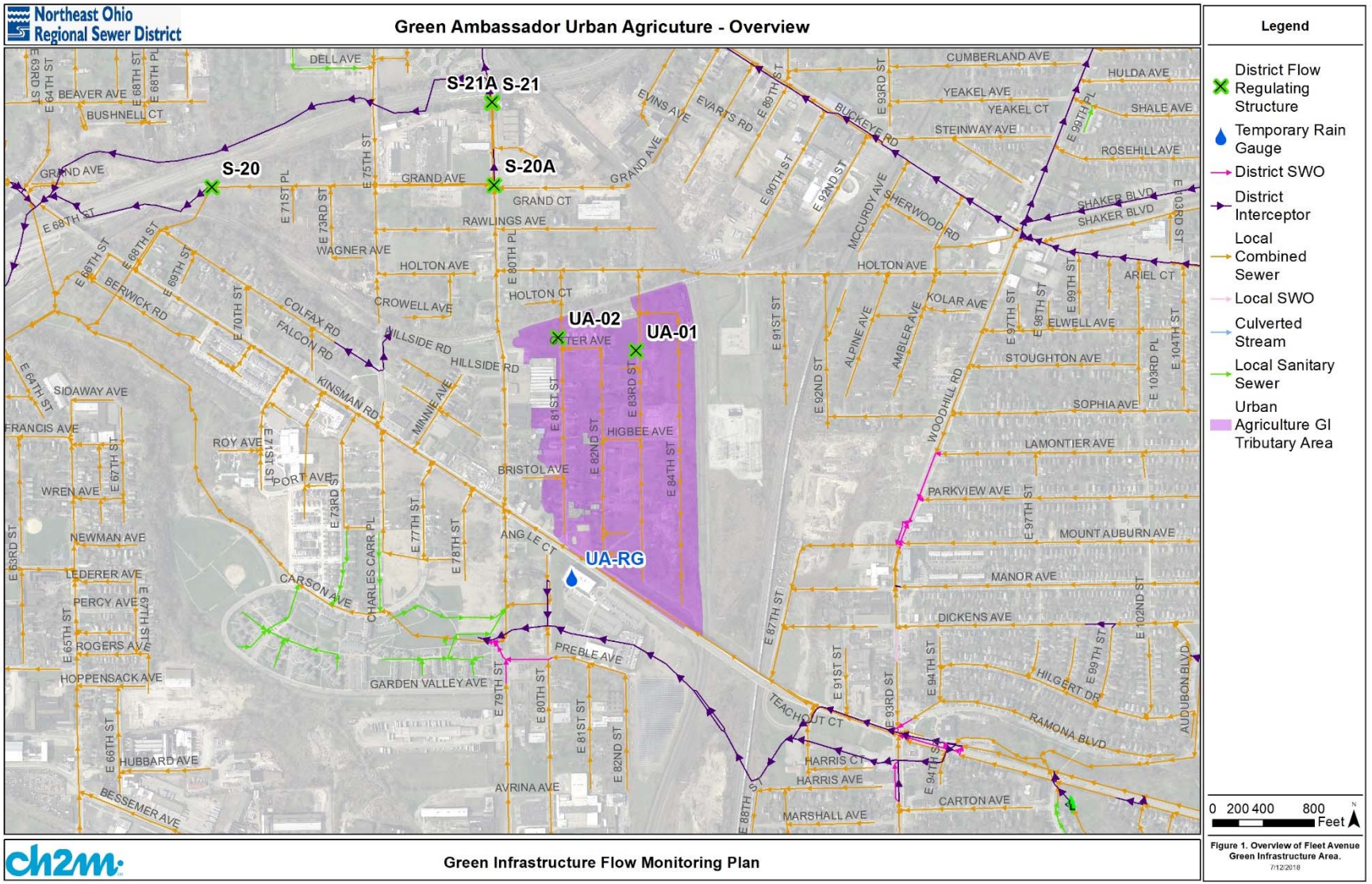
- 19 recorded events with rainfall depths exceeding 0.25 inch per hour chosen for analysis
  - 19 events accounted for 20.07 inches of the 37.53 inches of rainfall.





- Basin appears to be operating as designed in Model, slightly more overflows than anticipated
- Metered flow exceed the flow produced by the model

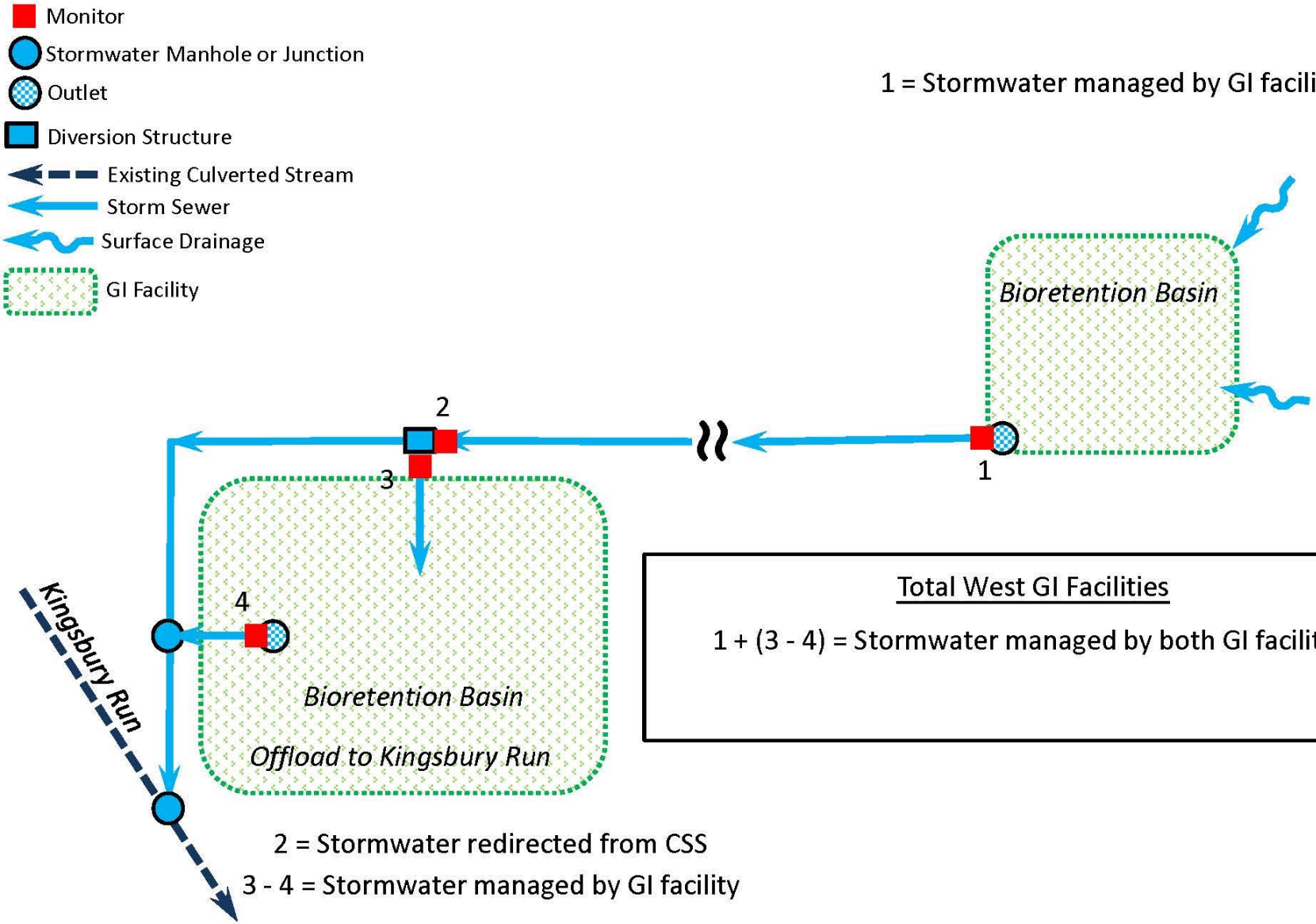
Phase 2 GI Site-Specific Assessment: Green Ambassador Urban Agriculture



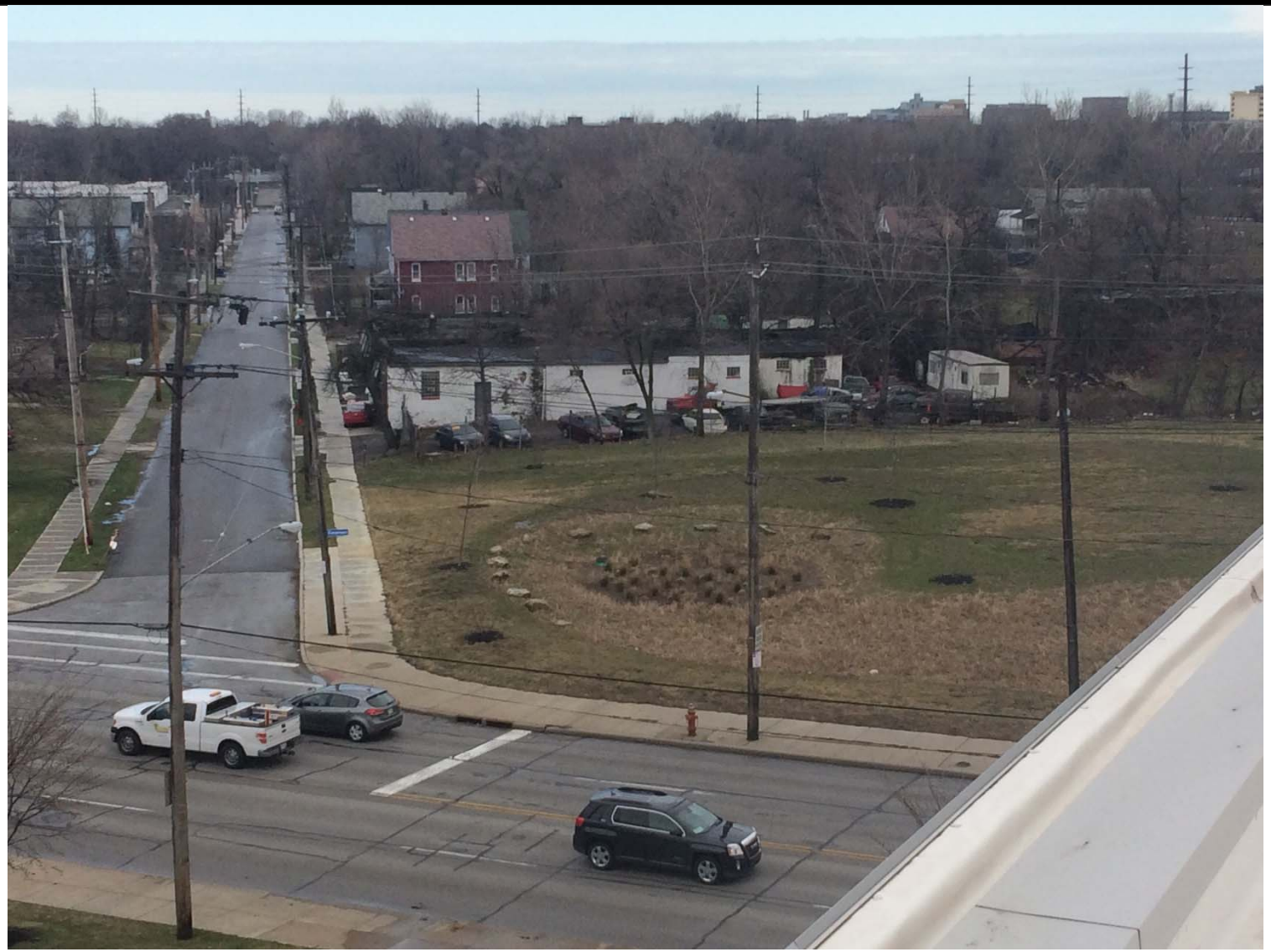
PHASE 2 SITE-SPECIFIC

Figure 3e: Green Ambassador Urban Agriculture – West GI Facilities

Schematic



Green Ambassador Urban Agriculture
West Basin Entry Feature



Green Ambassador Urban Agriculture
West Basin



Green Ambassador Urban Agriculture Project Overview

Four Bioretention Basins designed to intercept runoff and attenuate peak flow rates before discharging to Kingsbury Run Culvert. Inflows associated with storm events up to a 1-inch rainfall depth are routed into East & West Basins. Excess wet weather bypass and directed into the Kingsbury Run Culvert.

Stormwater Control Measure	BODR WQv +20% for Sediment (MG)*	BODR Basin Ponding Depth (ft)	BODR Design Storm Drawdown Time (hr)	BODR Drainage Area (acres)*	Calculated Drainage Area based on As-built Conditions[1] (acres)
West Bioretention	0.1	1.01	40.0	18.5	16.8
East Bioretention	0.2	0.83	30.4	44.2	44.1
West Entry Feature	0.0	0	24.3	0.9	1.7
East Entry Feature	0.0	1.00	28.0	2.5	3.2

*Calculated WQv + 20% capacity and drainage area value is for both basins

[1] *Delineated by PCP team per as-built conditions, based off GIS DCIA and overland flow routes*

- Design Storm: 1-inch rainfall event
- Validated tributary area depicted in BODR
- Assessed Basin operation based on FMP data
- Update Southerly CSO model representation as needed

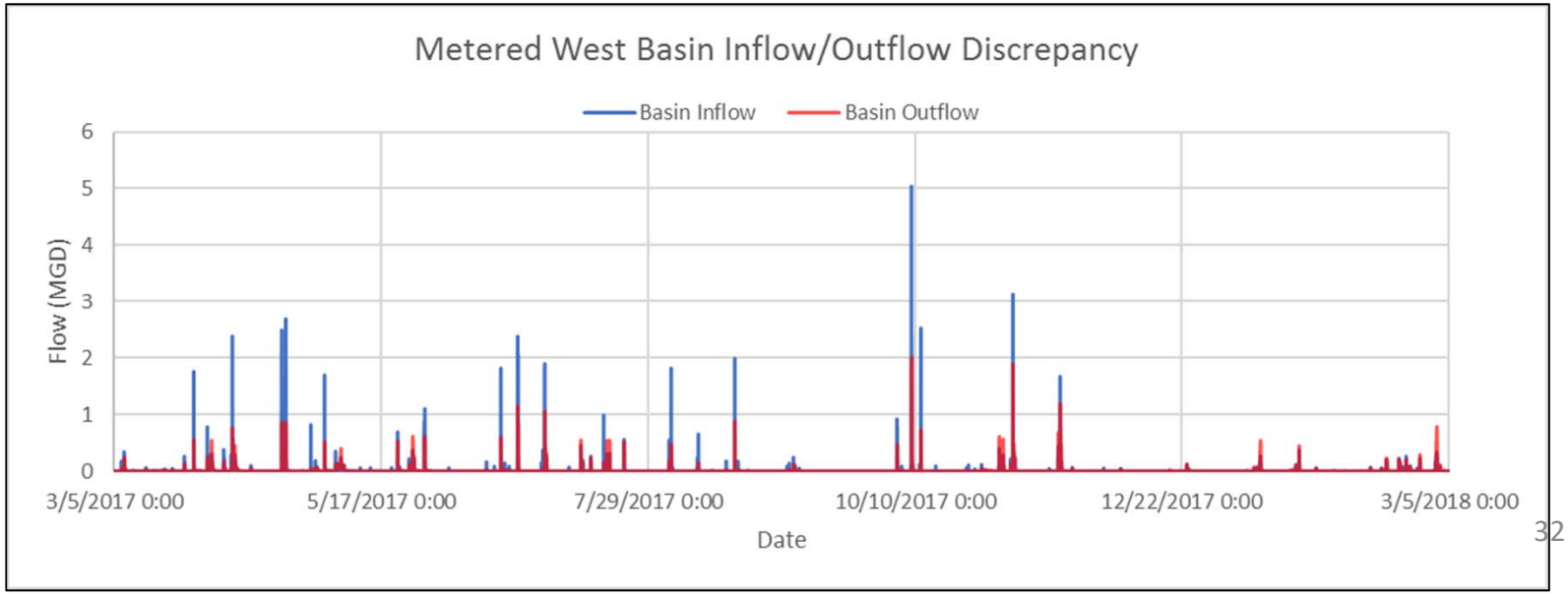
Green Ambassador Urban Agriculture Monitoring Data Summary

- Rainfall and depth and velocity data collected from 3/4/2017-3/4/2018
- Total Rainfall: 32.14 inches
- Individual Rain Events (12-hour inter-event): 106 events
  - Calibration Rain Events (depth>0.20 inches and intensity>0.25 in/hr): 16
- Total Inflow to the West Basin Duration: 84.66 days
  - Defined as total time flows are greater than 0 MGD
- Total Inflow to the West Basin Volume: 2.82 MG
  - Does not include overland runoff or direct precipitation onto basin
- Total West Basin Outflow to the Kingsbury SWO Duration: 96.55 days
  - Defined as total time flows are greater than 0 MGD
  - The sum of all outflow volume was found to be 4.10 MG
- Maintenance Activities:
  - The grass/wildflower swale had been mowed in late April/early May
  - Catch basin cleaning performed in the fall, did not have any noticeable effect on metered depth
  - Plants added to western gateway entrance feature as part of a retrofit in November
- Gaps in data:
  - Flow monitor UA-03 failed to record data April 24-26, 2017 and December 17-19, 2017
  - A flow monitor issue prevented data collection at monitor UA-01 January 15-17, 2018

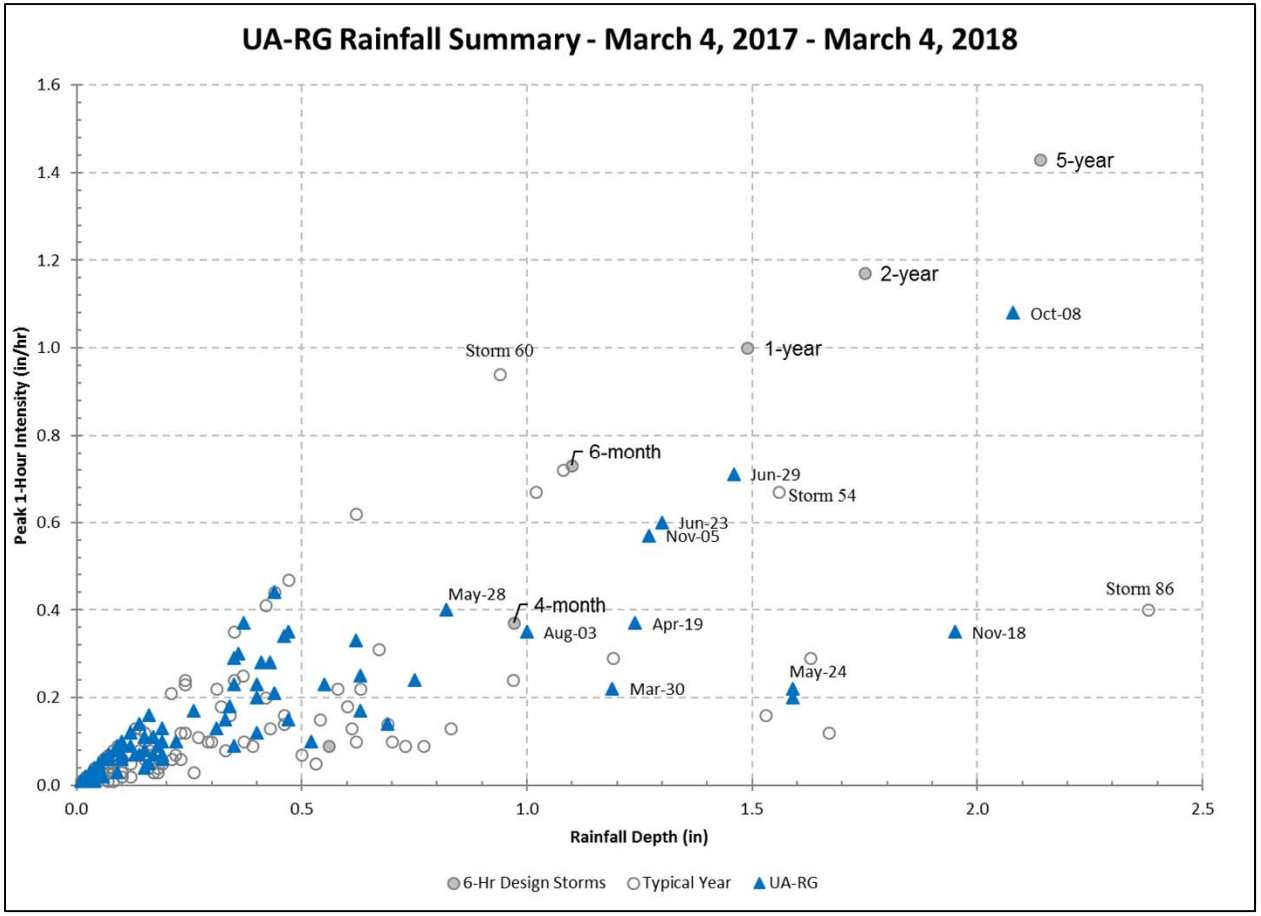
Green Ambassador Urban Agriculture Data Analysis - Flow Discrepancy

- Flow discrepancies were observed between UA-02, UA-03, and UA-04
  - UA-02 exceeding UA-03 indicates basin bypass to Kingsbury Run Culvert
  - UA-03 installed immediately DS of pretreatment device - poor monitoring site, no alternative, resulting in poor data
- Backwater observed until June 2017

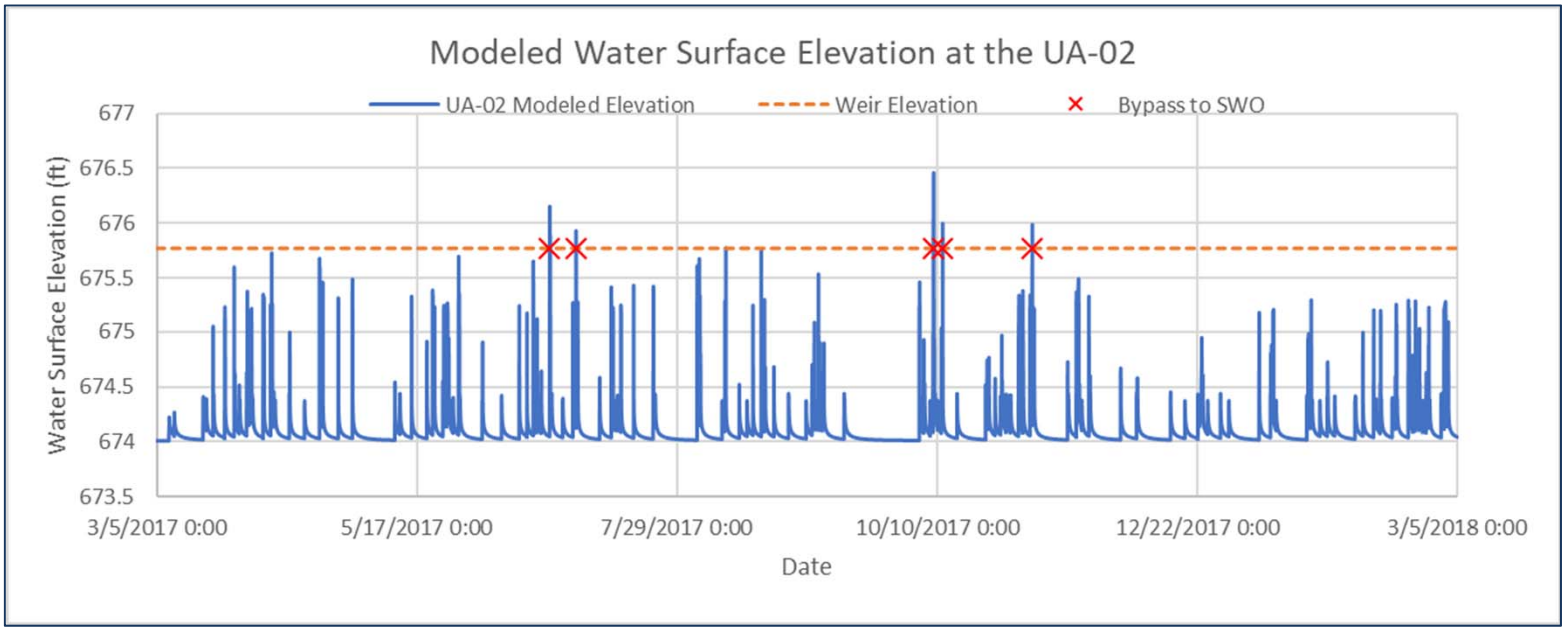
Flow Balance	FMP Total	Large Events
UA-02 ≥ UA-03	53%	26%
UA-03 ≥ UA-04	31%	23%

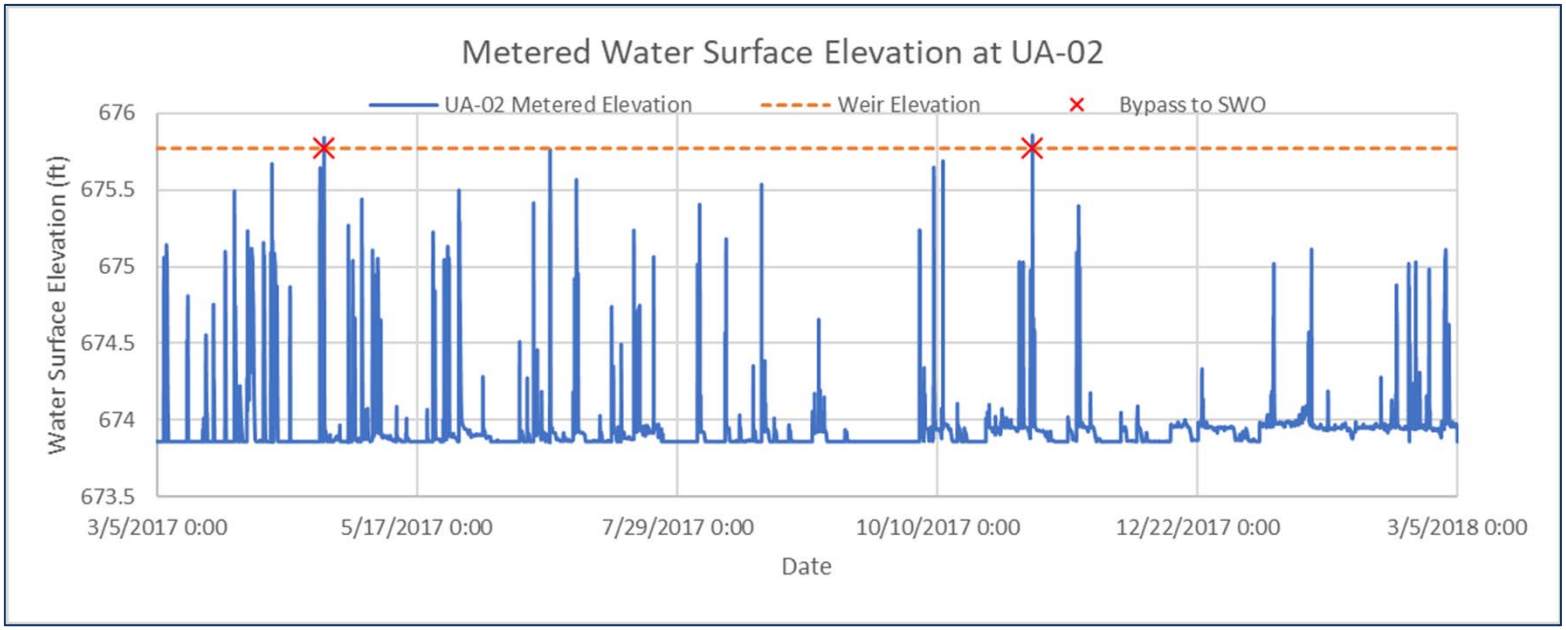


Green Ambassador Urban Agriculture Event Comparison



- 18 recorded events with rainfall depths exceeding 0.25 inch per hour chosen for analysis
  - 18 events totaled 15.66 inches of the 32.14 inches recorded over monitoring period
- Between 1.70-2.98 MG were indirectly determined to bypass the basin to Kingsbury Run Culvert





- Basin appears to be operating as designed in Model
- Model predicted additional events to overflow diversion structure than metered data indicates
    - Metered elevation is near the diversion structure elevation during these events

Summary of Findings

- Fleet Avenue GI
  - Appears to exceed design capacity.
  - Determined to remove 5.71 MG from the combined sewer system through infiltration during FMP period.
  - Monitoring additional events larger than the 5-year 6-hour design storm would aid in determining basin performance while basin is overflowing.
- Green Ambassador Fairhill/MLK
  - Appears to operate as designed.
  - Field hydrant test confirmed meter issues recording data for events with an intensity less than 0.25 in/hr and storm volumes less than 0.5 inches due to equipment limitations.
  - Diversion structure directs Typical Year flows to Doan Brook through the GI basins.
  - Modeled overflow events downstream of the diversion structure are greater than metered.
  - Determined to remove approximately 7.84 MG from the combined sewer system during FMP period.
- Green Ambassador Urban Agriculture
  - Appears to operate as designed.
  - Flow discrepancies upstream and downstream of the west basin
    - Additional runoff directly to basin
    - Poor data quality of upstream meter
  - Determined to remove approximately 8.19 MG from the combined sewer system during FMP period.
- Consent Decree model estimated CSO stats – running now