CAPITAL REGION™

WATER

MARCH 2020

CSO-ONLY CONTENT

CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT REPORT

CALENDAR YEAR 2019

AND

SEMI-ANNUAL REPORT ON CONSENT DECREE IMPLEMENTATION

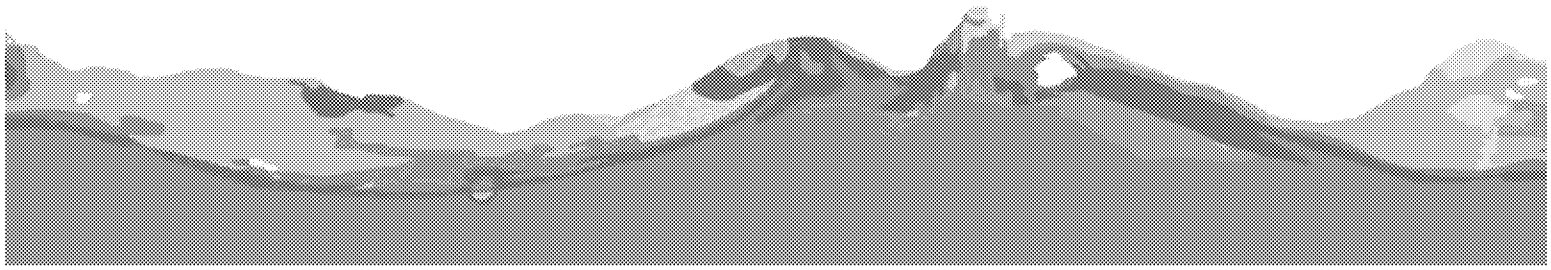
JULY 1, 2019 TO DECEMBER 31, 2019

FOR

CAPITAL REGION WATER

212 LOCUST STREET, SUITE 500

HARRISBURG, PA 17101



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Executive Summary

Executive Summary

This report fulfills the requirements of two separate regulatory reporting documents for Capital Region Water, which are listed below:

- Chapter 94 Annual Wasteload Management Report for 2019
- Semi-Annual Report on Consent Decree Implementation for July 1, 2019 to December 31, 2019

Generally, the Chapter 94 Report contents are included in Sections 1, 2, and 3, as well as the Appendices. Enclosed herein with the Executive Summary is the PADEP Ch. 94 Report Municipal Wasteload Management Annual Report Form.

For the Semi-Annual Report, the required information is covered in Sections 1, 2, and 3 on the operation and maintenance of the facilities, since there is some overlap between the reporting requirements.

Section 4 provides a more comprehensive assessment of the status of the Wet Weather Program implementation of the partial Consent Decree requirements. During this reporting period, CRW continued to address comments from USEPA and PADEP on the City Beautiful H2O Program Plan (submitted on April 1, 2018). CRW also met with USEPA and PADEP to discuss the Program Plan.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

For Calendar Year: 2019

☒ Permittee is owner and/or operator of a POTW or other sewage treatment facility
☐ Permittee is owner and/or operator of a collection system tributary to a POTW not owned/operated by permittee

GENERAL INFORMATION			
Permittee Name:	**Capital Region Water**	Permit No.:	**PA0027197**
Mailing Address:	**212 Locust Street, Suite 500**	Effective Date:	**1/1/2010**
City, State, Zip:	**Harrisburg, PA 17101**	Expiration Date:	**12/31/2014**
Contact Person:	**Jeffrey K. Bowra, P.E.**	Renewal Due Date:	**Pending - Renewal application submitted to DEP on 7/14/2014**
Title:	**Lead Engineer**	Municipality:	**City of Harrisburg**
Phone:	**717-216-5255**	County:	**Dauphin**
Email:	**jeff.bowra@capitalregionwater.com**	Consultant Name:	**n/a**

CHAPTER 94 REPORT COMPONENTS

1. Attach to this report a line graph depicting the monthly average flows (expressed in MGD) for each month for the past 5 years and projecting the flows for the next 5 years. The graph must also include a line depicting the hydraulic design capacity per the WQM permit. (25 Pa. Code § 94.12(a)(1))

   Check the appropriate boxes:
   ☐ Line graph for flows attached (**Appendix**)
   ☒ DEP Chapter 94 Spreadsheet used (**Attachment A**)
   ☐ Section 1 is not applicable (report is for a collection system).

2. Attach to this report a line graph depicting the monthly average organic loads (express as lbs BOD5/day) for each month for the past 5 years and projecting the organic loads for the next 5 years. The graph must also include a line depicting the organic design capacity of the treatment plant per the WQM permit. (25 Pa. Code § 94.12(a)(2))

   Check the appropriate boxes:
   ☐ Line graph for organic loads attached (**Appendix**)
   ☒ DEP Chapter 94 Spreadsheet used (**Attachment B**)
   ☐ Section 2 is not applicable (report is for a collection system).

ED_005060A_00001196-00009

3. If the DEP Chapter 94 Spreadsheet was not used to determine projections, discuss the basis for the hydraulic and organic projections. In all cases, include a description of the time needed to expand the plant to meet the load projections, if necessary, and data used to support the projections should be included in an appendix to this report. (25 Pa. Code § 94.12(a)(3))

   Refer to the attached report.

4. Attach a map showing all sewer extensions constructed within the past calendar year, sewer extensions approved or exempted in the past year in accordance with Act 537 and Chapter 71, but not yet constructed, and all known proposed projects which require public sewers but are in the preliminary planning stages. The map must be accompanied by a list summarizing each extension or project and the population to be served by the extension or project. If a sewer extension approval or proposed project includes schedules describing how the project will be completed over time, the listing should include that information and the effect this build-out-rate will have on populations served. (25 Pa. Code § 94.12(a)(4))

   Check the appropriate boxes:

   ☒ Map showing sewer extensions constructed, approved/exempted but not yet constructed, and proposed projects attached (**Appendix L**)

   ☒ List summarizing each extension or project attached (**Appendix L**)

   ☐ Schedules describing how each project will be completed over time and effects attached (**Attachment**)

   Comments:

   Maps are attached for contributing municipalities, as applicable. Refer to Appendix L for sewer extension information from the contributing municipalities.

5. Discuss the permittee's program for sewer system monitoring, maintenance, repair and rehabilitation, including routine and special activities, personnel and equipment used, sampling frequency, quality assurance, data analyses, infiltration/inflow monitoring, and, where applicable, maintenance and control of combined sewer regulators during the past year. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(5))

   Refer to the attached report.

6. Discuss the condition of the sewer system including portions of the system where conveyance capacity is being exceeded or will be exceeded in the next 5 years and portions where rehabilitation or cleaning is needed or is underway to maintain the integrity of the system and prevent or eliminate bypassing, CSOs, SSOs, excessive infiltration and other system problems. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(6))

Check the appropriate boxes:

☐ System experienced capacity-related bypassing, SSOs or surcharging during the report year. On a separate sheet, list the date, location, and reason for each bypass, SSO or surcharge event.

☐ System did not experience capacity-related bypassing, SSOs or surcharging during the report year.

Comments:

Refer to the attached report.

7. Attach a discussion on the condition of sewage pumping (pump) stations. Include a comparison of the maximum pumping rate with present maximum flows and the projected 2-year maximum flows for each station. (25 Pa. Code § 94.12(a)(7))

Check the appropriate boxes:

☐ The collection system does not contain pump stations

☒ The collection system does contain pump stations (Number – **4**)

☒ Discussion of condition of each pump station attached (**see attached report**)

8. If the sewage collection system receives industrial wastes (i.e., non-sanitary wastes), attach a report with the information listed below. (25 Pa. Code § 94.12(a)(8))

a. A copy of any ordinance or regulation governing industrial waste discharges to the sewer system or a copy of amendments adopted since the initial submission of the ordinance or regulation under Chapter 94, if it has not previously been submitted.

b. A discussion of the permittee's or municipality's program for surveillance and monitoring of industrial waste discharges into the sewer system during the past year.

c. A discussion of specific problems in the sewer system or at the plant, known or suspected to be caused by industrial waste discharges and a summary of the steps being taken to alleviate or eliminate the problems. The discussion shall include a list of industries known to be discharging wastes which create problems in the plant or in the sewer system and action taken to eliminate the problem or prevent its recurrence. The report may describe pollution prevention techniques in the summary of steps taken to alleviate current problems caused by industrial waste dischargers and in actions taken to eliminate or prevent potential or recurring problems caused by industrial waste dischargers.

Check the appropriate boxes:

☐ Industrial waste report as described in 8 a., b. and c. attached (**Attachment**)

☐ Industrial pretreatment report as required in an NPDES permit attached (**Attachment**)

Refer to Appendix E.

9. Existing or Projected Overload.

Check the appropriate boxes:

☐ This report demonstrates an existing hydraulic overload condition.
☐ This report demonstrates a projected hydraulic overload condition.
☐ This report demonstrates an existing organic overload condition.
☐ This report demonstrates a projected organic overload condition.

If one or more boxes above have been checked, attach a Corrective Action Plan (CAP) to reduce or eliminate present or projected overloaded conditions under §§ 94.21 and/or 94.22 (relating to existing overload and projected overload). (25 Pa. Code § 94.12(a)(9))

☐ Corrective Action Plan attached (**Attachment**)

10. Where required by the NPDES permit, attach a Sewage Sludge Management inventory that demonstrates a mass balance of solids coming in and leaving the facility over the previous calendar year.

☐ Sewage Sludge Management Inventory attached (**Attachment**)

11. For facilities with CSOs and where required by the NPDES permit, attach an Annual CSO Report (including satellite combined sewer systems).

☒ Annual CSO Report attached (**Appendix K-3**)

12. For POTWs, attach a calibration report documenting that flow measuring, indicating and recording equipment has been calibrated annually. (25 Pa. Code § 94.13(b))

☒ Flow calibration report attached (**Appendix D**)

RESPONSIBLE OFFICIAL CERTIFICATION

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 gathered and evaluated 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 fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Jess Rosentel
Superintendent, Advanced WW Treatment Facility
Capital Region Water

Signature

717-903-0767
Telephone No.

3-27-20
Date

PREPARER CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared by me or otherwise under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. 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 fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Jeffrey K. Bowra, P.E.	
Lead Engineer Capital Region Water	Signature
717-216-5255	3-27-2020
Telephone No.	Date

Section 1

Section 1

Wastewater Treatment Plant

1.A Introduction

CRW's Harrisburg Advanced Wastewater Treatment Facility (AWTF) is permitted to discharge to the Susquehanna River under NPDES Permit No. PA0027197 issued on January 1, 2010 and which expired on December 31, 2014. CRW submitted an NPDES permit renewal application to DEP in July 2014, which is currently under review. CRW owns, operates, and maintains the wastewater collection, conveyance, and treatment facilities within the City of Harrisburg.

1.B Hydraulic Loading

A summary of the monthly hydraulic loading of the AWTF during 2019 is presented in Appendix A. The hydraulic loading data includes the average monthly flows and an annual flow. The 2019 annual average flow was 24.6 million gallons per day (mgd) and the maximum 3-month average was 34.6 mgd (Nov 2018-Jan 2019) yielding a ratio of 1.41. The maximum 3-month average as calculated by the PA DEP template does not restrict the calculation to the 2019 calendar year. The AWTF 2019 hydraulic loading data, included as Appendix A, contains the following information:

- Permitted Design Hydraulic Capacity (mgd)
- Monthly Average Daily Flow (mgd)
- Annual Average Daily Flow (mgd)
- Maximum 3-Month Average Daily Flow (mgd)
- Projected Annual Average Daily Flow (mgd)
- Projected Maximum 3-Month Average Daily Flow (mgd)

The permitted design hydraulic capacity flow for the AWTF is 45.0 mgd. As shown from the data included in the hydraulic loading table and graph, the AWTF did not experience monthly average flows greater than 45.0 mgd during 2019. As a result, no hydraulic overloads were recorded in 2019 as the monthly average flow at the AWTF did not exceed the hydraulic design capacity of 45.0 mgd for any month. Additionally, there is no projected hydraulic overload condition for the next five years, as the year 2024 projected annual average flow is 23.6 mgd and the projected maximum 3-month average daily flow is 28.6 mgd.

The projected annual average daily flow is based on the arithmetic mean of the previous 5-year annual average daily flow representing the base flow for the year 2020. The projected yearly hydraulic loadings are expected to increase between 40,000 to 190,000 gallons per day (each year) and account for known projected flow increases for the City of Harrisburg and contributing municipalities based on their 2019 Chapter 94 reports.

1.C Organic Loading

A summary of the monthly organic loading, as BOD_5, of the AWTF during 2019 is presented in Appendix B. The table includes average monthly and annual organic loading. The 2019 annual average was 23,459 pounds per day (lb/day) with a maximum 1-month maximum of 30,279 lb/day yielding a peak to annual average ratio of 1.29. The AWTF organic loading 2019 data, included as Appendix B, contains the following organic loading information:

- Permitted Average Daily Organic Loading (lb/day)
- Monthly Average Organic Loading (lb/day)
- Annual Average Daily Organic Loading (lb/day)
- Maximum 1-Month Average Organic Loading (lb/day)
- Projected Annual Average Daily Organic Loading (lb/day)
- Projected Maximum 1-Month Average Daily Organic Loading (lb/day)

The permitted average daily organic loading for the AWTF is 68,257 lb/day. The data in the organic loading table and graph shows the AWTF experienced no organic overloads during the previous five year period. Also, there is no projected organic overload condition projected for the next five years, as the year 2024 projected annual average organic loading is 24,624 lb/day and the projected maximum 1-month average daily organic loading is 29,528 lb/day.

The projected annual average daily organic loading is based on the arithmetic mean of the previous 5-year calculated BOD/mgd organic loading value multiplied by the projected yearly hydraulic flow increase to the AWTF, added to the previous year starting point load (lbs of BOD). The projected maximum 1-month average daily load is the projected annual average organic load (lbs of BOD) multiplied by the arithmetic mean of the previous 5-year ratio of maximum 1-month daily average loading to annual average loading value, which is 1.20 for year 2015-2019.

1.D Hydraulic & Organic Loading Projections

As presented in Appendix A, the 2019 annual average flow to the AWTF was 24.6 mgd. On an annual basis, approximately 11.08 mgd was contributed by the City of Harrisburg and 13.55 mgd of the flow was from the six contributing municipalities. The flow consists of residential, non-residential, commercial, industrial, institutional, and governmental users. Given the inflow and infiltration (I&I) removal and combined sewer separation projects in the contributing municipalities, the annual average flow to the AWTF for an average rainfall year is expected to increase only slightly in the future.

The organic waste strength of the sewerage received at the AWTF has averaged 136 mg/l (BOD_5) for the past five years which is typically considered low strength. There is no indication that the City of Harrisburg or the contributing municipalities will experience a noticeable increase in organic waste strength within the next five years.

1.E Overload Reduction

There are no projected hydraulic or organic overload conditions anticipated over the next five years.

1.F Maintenance & Construction

Partial CD Reference: V.H.32.b.iii

The maintenance division of the AWTF operates based on a proactive preventative maintenance program and a systematic replacement policy for inventory parts that has helped minimize downtime. The following key AWTF and pumping station projects were active during this reporting period with their status described below:

- Completed full renovation of the AWTF Laboratory.
- Completed full rebuild of Sewage Pump No. 2 at the Spring Creek Pumping Station.
- Rebuilt the barscreen at the Spring Creek Pumping Station.
- Replaced one Diluent Water Pump at the Settled Sewage Pumping Station.
- Continued construction of the Primary Digester Rehabilitation Project to fully rehabilitate the two (2) primary anaerobic digesters and associated equipment at the AWTF and construct a new electrical building. Construction is expected to be complete in 2020.
- Continued construction of the Front Street Pumping Station Improvements. Construction is expected to be complete in 2020.

The following are anticipated projects at the AWTF and pumping stations for the first half of 2020:

- Replace the Dorr-Oliver Hydrogritter Unit.
- Begin Primary Clarifier mechanical equipment replacement in tank Nos. 1 and 2.
- Install 50 hp pump at Market St. Pump Station.
- Replace Thickened Sludge Pump No. 2.

1.G Permit Exceedances

Partial CD Reference: V.H.32.a, Appendix A.c

Capital Region Water did not experience any NPDES permit exceedances during this reporting period.

1.H Secondary Bypass Events

Partial CD Reference: Appendix A.f

Table 1.1 summarizes the AWTF secondary bypass events during this reporting period, which now includes the AWTF Influent Flow as well as the Secondary Treatment Influent Flow. Until the recent AWTF upgrade completion there was not adequate flow control or measurement to provide actual flow data. CRW now has the ability to better control, monitor, and report flows into the facility and through the secondary treatment train vs. secondary bypass. The secondary bypass at the AWTF is utilized as necessary for flows in excess of 45 mgd in accordance with the NPDES Permit.

Table 1.1: Summary of AWTF Secondary Bypasses (January 2019 – December 2019)

Start	Stop	Duration	Ave. Influent	Ave. Secondary Influent	Bypass Flow Rate	Bypass Volume	Peak Influent flow	Rain	Rain Intensity	Rain Duration
(Date & Time)	(Date & Time)	(hr)	(MGD)	(MGD)	(MGD)	(MG)	(MGD)	(in)	(in/hr)	(hr)
1/20/19 1:24 PM	1/20/19 7:37 PM	6:13	53.6	48.9	4.7	1.217	63	1.286	0.196	17.000
1/24/19 3:37 AM	1/26/19 1:59 AM	22:22	56.5	49.0	7.5	14.490	70.8	1.300	0.181	24.667
2/8/19 12:49 AM	2/8/19 6:49 AM	6:00	51.8	50.0	1.8	0.450	58.8	0.680	0.235	15.250
2/21/19 1:41 PM	2/21/19 9:05 PM	2:24	49.4	49.9	0.0	0.060	52.3	0.768	0.159	16.750
2/25/19 10:55 AM	2/25/19 12:20 PM	1:25	50.1	49.8	0.3	0.018	52.6	0.458	0.173	16.250
3/10/19 3:08 AM	3/11/19 1:08 AM	22:00	52.3	49.8	2.5	2.292	56.2	0.798	0.229	8.833
3/21/19 10:13 AM	3/23/19 8:00 AM	21:47	58.6	49.6	9.0	17.169	67.1	2.409	0.350	25.250
4/12/19 9:08 PM	4/13/19 7:22 AM	10:14	54.7	49.7	5.0	2.132	66.4	1.702	0.590	16.750
4/14/19 8:14 PM	4/15/19 5:26 PM	21:12	54.0	49.9	4.1	3.622	64.2	1.012	0.315	11.750
4/19/19 10:48 PM	4/20/19 2:31 PM	15:43	50.7	49.7	1.0	0.655	57.9	0.749	0.446	12.500
5/5/19 5:09 PM	5/5/19 11:38 PM	6:29	52.4	49.0	3.4	0.918	60.3	1.025	0.129	26.583
5/12/19 5:17 AM	5/12/19 6:25 AM	1:08	49.6	48.5	1.1	0.052	69.2	1.579	0.271	31.167
5/12/19 7:39 AM	5/13/19 3:04 AM	19:25	58.1	49.1	9.0	7.281	69.3			
5/13/19 10:09 AM	5/15/19 1:25 AM	15:16	54.9	49.3	5.6	9.162	57.1	0.703	0.220	6.250
5/19/19 10:17 PM	5/20/19 3:56 AM	5:39	51.1	48.4	2.7	0.636	59.5	0.743	0.227	9.000
5/29/19 6:25 PM	5/29/19 9:46 PM	3:21	53.5	48.7	4.8	0.670	58.4	0.634	0.539	4.167
6/1/19 11:18 PM	6/2/19 1:34 AM	2:16	52.4	48.6	3.8	0.359	59.1	0.380	0.177	4.167
7/6/19 7:20 AM	7/6/19 10:43 PM	15:23	53.3	49.6	3.7	2.372	62.6	1.051	0.862	3.417
7/7/19 11:27 PM	7/8/19 1:45 AM	2:18	52.8	49.8	3.0	0.287	56.1	1.099	0.385	18.083
7/8/19 6:05 AM	7/8/19 2:11 PM	8:06	55.2	49.9	5.3	1.789	65.4			
8/16/19 4:00 PM	8/16/19 7:15 PM	3:15	51.2	49.9	1.3	0.176	61.6	1.147	1.099	2.000
9/2/19 7:20 AM	9/2/19 11:06 AM	3:46	54.0	49.7	4.3	0.675	64	1.228	1.146	3.167
10/7/19 9:45 PM	10/7/19 11:24 PM	2:24	46.3	49.9	0.0	0.060	49.8	0.624	0.151	24.250
10/16/19 1:27 PM	10/16/19 8:32 PM	7:05	50.4	50.0	0.4	0.118	56.6	1.121	0.377	6.750
10/27/19 7:23 AM	10/27/19 3:13 PM	7:50	51.0	49.3	1.7	0.555	66.9	1.128	0.500	13.333
10/30/19 10:20 PM	10/31/19 6:38 AM	8:18	54.0	48.7	5.3	1.833	64.1	2.879	1.424	29.250
10/31/19 8:06 PM	11/1/19 4:21 PM	20:15	59.1	49.7	9.4	7.931	67.4			
12/14/19 12:43 PM	12/14/19 4:25 PM	3:42	55.8	48.8	7.0	1.079	63	0.694	0.187	16.500
12/16/19 11:14 PM	12/17/19 2:22 AM	3:08	54.0	49.6	4.4	0.574	57	0.585	0.110	21.500

1.I Industrial Pretreatment Program

The Industrial Waste Pretreatment Program report as prepared by CRW's Industrial Waste Pretreatment Program Coordinator is attached as Appendix E. Refer to Appendix M for additional industrial waste information from the contributing municipalities.

1.J Contract Waste Hauling Program

The Contract Waste Hauling Program report as prepared by CRW staff is attached in Appendix F.

1.K Biosolids

In 2019 there were 45.8 million gallons of solids wasted from the thickeners to the anaerobic digesters. The liquid process control sludge was dewatered to an average of 18.2% solids through the use of two (2) belt filter presses. This resulted in 2,646 dry tons of biosolids hauled for disposal or beneficial reuse to the sites identified in Appendix G.

Section 2

Section 2

Conveyance System

2.A Condition of Pumping Stations

Partial CD Reference: V.C.11.a.v

There are four (4) sewage pumping stations in the City of Harrisburg maintained by CRW. The Front Street and Spring Creek Pump Stations, owned and maintained by CRW, convey flow to the AWTF. The other two pump stations are both located on City Island, owned by the City of Harrisburg, maintained by CRW, and convey flow to the Front Street Interceptor and eventually to the Front Street Pump Station. The service conditions for these pumps are provided in **Table 2.1**.

Table 2.1: Pump Station Service Conditions

Pump Station	Design		2019		2021 (Projected)	
	Average (MGD)	Peak (MGD)	Average (MGD)	Peak [1] (MGD)	Average (MGD)	Peak [2] (MGD)
Front Street	21.6	43.2	16.3	49.5	16.6	50.3
Spring Creek	10.0	28.9	6.65	26.3	6.68	26.4
City Island - North	-	0.432	0.006	0.014	0.006	0.014
City Island - South	-	0.432		Total		Total

Notes:

1. Peak day flows provided for Front St. and City Island pump stations. There are not flow meters at these pump stations; flows are calculated based on meters at the AWTF and other pumping station. Peak instantaneous flow provided for Spring Creek pump station, which is equipped with a flow meter.
2. Projected peak based on 2-year growth and 2019 peaking factor.
3. 2019 City Island flows based on 2007 reported flows. Actual peak flows are not available.
4. There is no projected increase on City Island for 2020-2021.

There are three (3) influent flow streams to the AWTF: Spring Creek Pump Station, Front Street Pump Station, and the Borough of Steelton via the Trewick Street Pump Station. Due to the fact there is no effluent meter at the Front Street Pump Station, flow is calculated as follows:

Front Street P.S. Flow =
Metered AWTF Influent Flow – Metered Steelton Flow – Metered Spring Creek P.S. Flow

The calibration reports for the pump station flow meters are included in Appendix D.

The Front Street and Spring Creek Pump Stations are maintained by CRW operations staff. All pump stations are monitored by CRW operations staff on a routine basis. In addition, all pump stations are provided with remote sensing to monitor pump operation.

The Front Street and Spring Creek Pump Stations are nearing the end of their useful lives. CRW has commenced construction of the Front Street Pump Station upgrades, and construction should be completed in 2020.

2.B Condition of Interceptors

Partial CD Reference: V.C.11.a, V.G.31.a

Rehabilitation of the Paxton Creek Interceptor (PCI) started in May 2018. After installing a complete bypass pumping system (for peak dry weather flows) in the upstream 7,580 LF of the interceptor, the interceptor was cleaned and inspected with CCTV. Once the interceptor was dewatered and man entry inspections were performed in the 48-in by 59-in pipe, it was realized that the pipe condition was significantly worse than the previous CCTV and sonar inspections revealed in 2016 and 2014, respectively. The existing concrete pipe has extensive voids, fractures (particularly in the invert), deteriorating concrete, and excessive infiltration. The condition of the pipe required much more infiltration control in order to install the centrifugally cast cementitious polymer liner than anticipated during design. From May 2018 through December 2018, 1,463 LF of the total 13,000 LF have been fully lined and another 608 LF have been lined above the springline. CRW was unable to complete the interceptor rehabilitation in 2018 in accordance with the partial consent decree. Using the information gathered during the previous project, CRW has engaged consulting engineers to evaluate an appropriate rehabilitation method for the remainder of the PCI that will not be affected by the significant infiltration present in the pipe. Based on the new evaluation, supported by additional preliminary screening and investigation work, CRW will have a recommended approach during 2020. Design of the PCI project is planned for 2021 with construction to occur in 2022 and 2023.

CRW completed the Front Street Interceptor (FSI) - Phase I rehabilitation project which includes CIPP lining of 1,900 of 30" terra cotta pipe. Construction did not start until late September of 2018 due to coordination with spring/summer activities in Riverfront Park. Then, in the initial phases of construction, the contractor uncovered unidentified utility conflicts that made the work more difficult to complete. This created contractual challenges that CRW and the contractor could not resolve, and the contract was terminated in February 2019. CRW reissued this work and construction occurred from September to November 2019. The project is complete.

For the Front Street Interceptor – Phase II rehabilitation, the findings of the initial assessment included approximately 11,000 LF of pipe rehabilitation. CRW added 3,600 LF in the middle of the Phase II project to provide continuity and rehabilitation of the entire stretch of pipe. This total length of pipe rehabilitation will be approximately 14,400 LF. The design of this work began in August/September of 2018 and is currently ongoing. Due to the similar age and construction method of FSI to the Paxton Creek Interceptor, CRW is concerned that the same severe infiltration issues will be encountered. In an effort to minimize delay this phase of the FSI work has been included in the evaluation of alternative rehabilitation methodologies for the PCI.

The originally proposed rehabilitation method for the cast in place concrete FSI was CIPP lining. During the PCI Project (also cast in place concrete) the pipe was bypassed, and significant invert defects and infiltration were discovered. Infiltration can cause significant challenges during construction for several of the typically recommended rehabilitation methods. Previous

inspections of the FSI were performed with the pipe in service, so the invert was not seen. In early 2020 CRW plans to utilize a specialty contractor to temporarily take a section of the FSI out of service and perform CCTV inspections. The inspections will allow CRW to determine the true condition of the pipe, including the invert and the extent of infiltration. Following the inspections CRW and its consulting engineers will be able to make a final recommendation of the appropriate rehabilitation method. Design of the FSI – Phase 2 project is planned for 2021 with construction to occur in 2022 and 2023.

2.C Condition of CSO Outfalls & Regulators

Partial CD Reference: V.C.11.b.i, V.C.11.b.iv

CRW operates and maintains 59 CSO regulator structures located along the Front Street, Paxton Creek, Paxton Creek Relief, and Hemlock Street interceptor sewers, which ultimately direct combined wastewater (sanitary wastewater and stormwater) to the AWTF. During dry weather conditions, the CSO regulator structures divert all of the combined wastewater from the trunk sewer lines to the interceptor sewers. During wet weather, the rate and volume of the sanitary and stormwater flow from the system of collector sewers increases significantly and can exceed the capacity of the downstream interceptor sewers and the treatment facility. When this occurs, the CSO regulator structures (sometimes called diversion structures) divert a controlled volume of flow to the interceptor, while untreated excess combined stormwater and wastewater is discharged to receiving waters. The receiving waters are the Susquehanna River for regulator structures along the Front Street interceptor, and Paxton Creek (a tributary of the Susquehanna) for regulators along the Paxton Creek, Paxton Creek Relief, and Hemlock Street interceptors. In addition to the 59 CSO regulator structures and outfalls, there are two additional CSO outfalls at the Front Street pumping station and the Spring Creek pumping station. These are permitted emergency outfalls (CSO-002 and CSO-003) that only activate during a mechanical failure of the pump stations or if the station capacities are exceeded during extreme storms. Each regulator has a dedicated outfall, with one exception in which two regulators serve a common outfall. Therefore, there are a total of 60 outfalls (including those from the pumping stations).

2.C.1 Operational Status of Major Overflow Points

Partial CD Reference: V.G.31.c

There was no change in the operational status of the combined sewer overflows during this reporting period. The regulators and diversion chambers were inspected in 2013. They are also inspected on a daily basis by CRW field crews to ensure proper operation.

During the manhole inspections in Fall 2015, zoom cameras were utilized to inspect each flood chamber, gates, and outfall pipe. This information was analyzed for structural integrity as well as for operation and maintenance issues. The condition assessment findings and proposed plan for addressing critical structural deterioration and river intrusion are summarized in the February 10, 2016 *CSO Outfall Repair Early Action Project Schedule* submittal, with additional details provided in the June 2, 2016 response to EPA comments. According to this plan, recommendations for early action projects to address severe structural deterioration and chronic river intrusion were developed during the first half of 2017, provided to EPA in April 2017, and integrated into CRW's City Beautiful H_2O Program Plan (CBH2OPP), submitted April 2018.

CRW identified the following outfalls for early action flap gate repair or replacement: 006, 008, 021, 022, 024, 032, and 051. CRW's field staff determined that repairs were not feasible, and the flap gate replacements will be significant projects that will be incorporated as part of a future capital project during CBH_2OPP implementation or as a separate IDIQ contract. CRW has addressed the structural issue at 062 and is moving forward to address the structural issues at 010, 034, and 053 in 2020.

2.C.2 Regulator Inspections

Partial CD Reference: v.C.11.a.x, V.C.11.g.i

CRW continues to perform daily regulator inspections at each regulator in the system to check operational status and identify any overflow events that may have occurred during the previous 24 hours. Each of the 59 regulator structures were inspected once per day during the six-month reporting period. **Appendix K-3A** provides the Combined Sewer Overflow Report by Outfalls based on *FIELD OBSERVATIONS.*

2.D CSO Discharges & Dry Weather Overflows

Partial CD Reference: V.H.33, Appendix A.e

2.D.1 Wet Weather CSO Discharges

CRW applied its calibrated H&H model to evaluate the performance of the combined sewer system during 2019. The response of the combined sewer collection system to wet weather events is characterized in terms of the volume of wet weather flow captured. The evaluation includes an assessment of the frequency of overflow events and a comparison of the model simulation results to CRW daily visual observation of CSO occurrence. **Appendix K-3B** provides the Combined Sewer Overflow Report by Outfall based on *H&H MODEL SIMULATION*.

Between 2018 and the first half of 2019, precipitation volumes have been significantly higher than typical year precipitation patterns, resulting in CSO volumes, frequencies, and durations from CRW's combined sewer system that are not representative of typical year conditions. However, during the second half of 2019 CSO volumes, frequencies, and durations were more comparable to the Typical Year. **Figure 2.1** compares the 2019 precipitation record to the 2016 through 2018 precipitation records as well as the Typical Year monthly precipitation volumes with +/- 1 standard deviation values from the historic median for the respective monthly volumes. The precipitation volumes are shown as the average of all gauges. During 2019, monthly precipitation volumes were much higher than the Typical Year from January to May (particularly April and May) but more comparable to the Typical Year for the rest of 2019 (except October).

Figure 2.2 shows the cumulative distribution of precipitation by event for 2016 through 2019 and the Typical Year. **Figure 2.3** shows the distribution of individual storms with respect to intensity and volume during 2016 through 2019 and the Typical Year. Generally, the storm events for 2019 fit within the Typical Year range of distribution of individual storms, but there were more storms within the range of 0.5 to 1.0 inches compared to the Typical Year (particularly during the first half of 2019). In total, there were 106 storm events during 2019, compared to 95 storm events during the Typical Year.

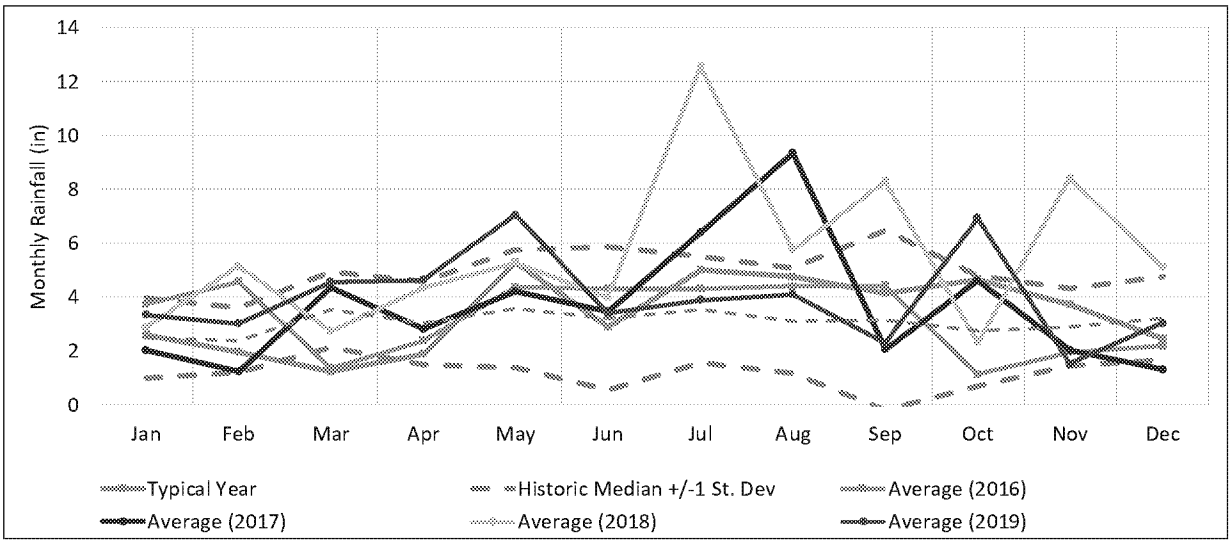

Figure 2.1: Rainfall Comparison between 2016 through 2019 and the Typical Year

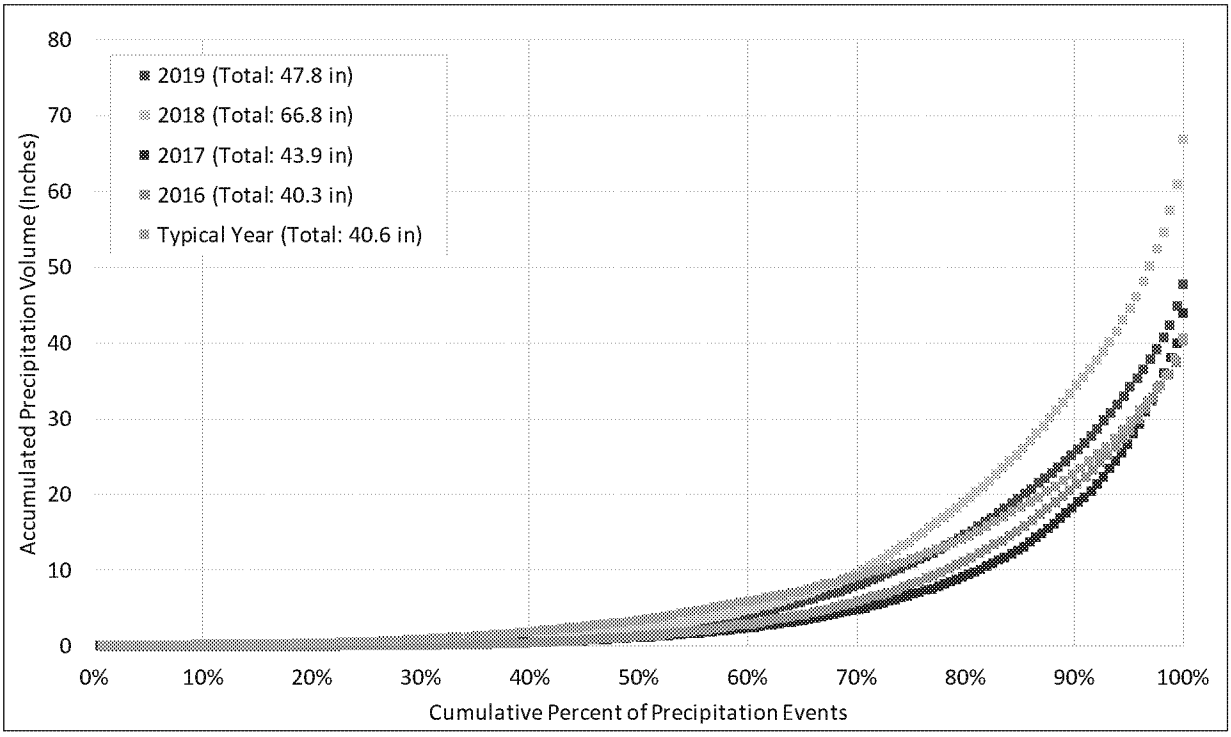

Figure 2.2: Cumulative Percent of Precipitation Events versus Accumulated Precipitation Volume for 2016 through 2019 and the Typical Year

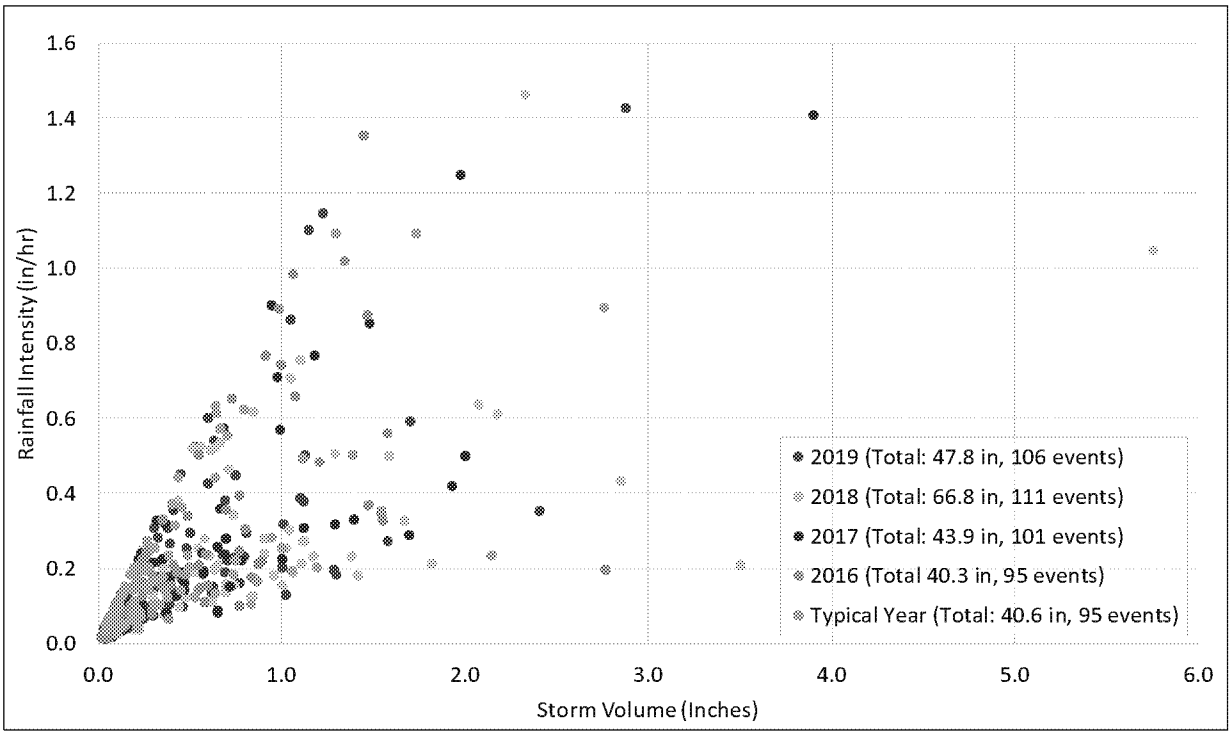

Figure 2.3: Total Rainfall Event Volume versus Peak 1-hour Precipitation Intensity for 2016 through 2019 and the Typical Year

Figure 2.4 compares H&H model simulations with the daily CSO observations during 2019, indicating that model projections of overflow occurrence correspond well with those observed during visual inspections. In general, the model performs well in simulating CSO overflows for small storms that may not be apparent by visual inspections alone. This is a limitation of observing weir block movement, which may not occur if the depth over the weir is too small to cause movement. Note that since 2018, precipitation has been much higher than normal (although precipitation during the second half of 2019 was more comparable to the Typical Year), so the Paxton Creek water surface elevation has been somewhat higher than normal. This has resulted in more frequent creek intrusion into the system at the CSO regulators. Typically, this inflow is minimal, but it is enough to move the overflow detection device CRW field crews use to monitor overflows which have occurred in the previous 24 hours prior to an inspection. When this occurs, it is not possible to distinguish whether an overflow that may have occurred in the previous 24 hours was the cause of the overflow detection device movement. In particular, CSOs 021, 024, 032, and 039 can be especially prone to creek intrusion (although volumes are low), and therefore the field observation data may be skewed. These CSOs, among others, are scheduled for flap gate replacement.

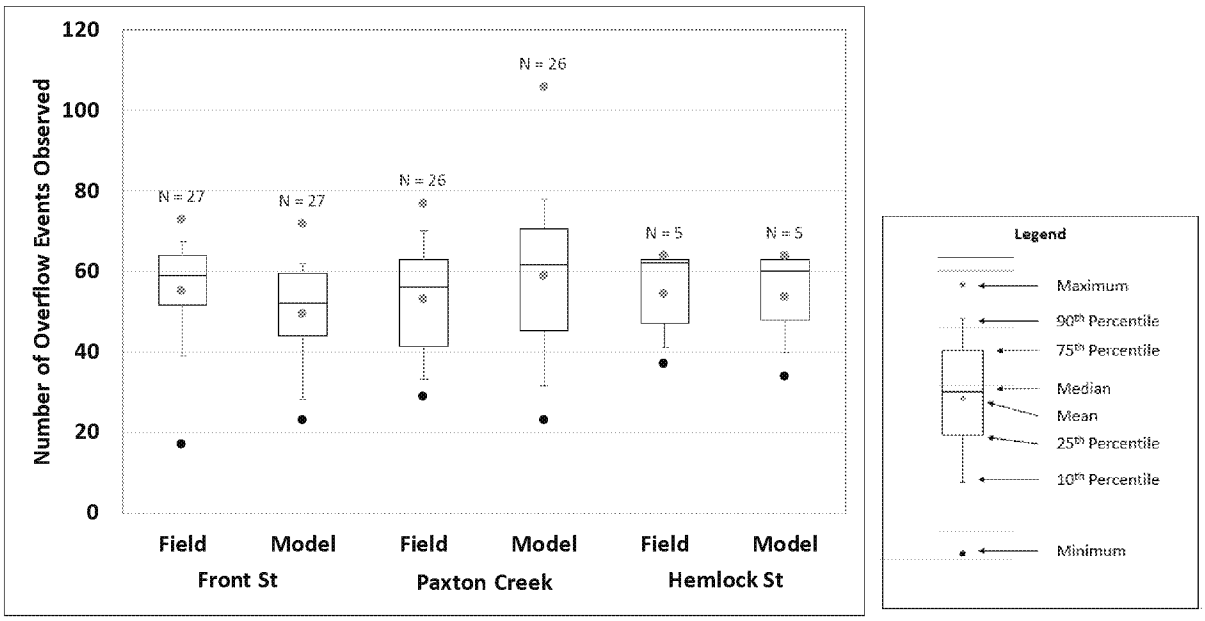

Figure 2.4: Comparison of Field and Model-Simulated Overflow Occurrences by Interceptor during 2019

Table 2.2 summarizes the CSO statistics for each regulator based on the H&H model simulation. Given the heavy precipitation which occurred during 2019 H1, both capture volume and overflow volume were much higher compared to 2016, 2017, and the Typical Year (when considering that greater capture typically occurs during the first half of the year). However, the 2019 H1 CSO statistics were comparable to 2018 H1, which similarly experienced significantly higher than typical precipitation volumes. While heavy precipitation during the first half of 2019 resulted in lower capture / higher overflow volumes, more typical precipitation during the second half of 2019 resulted in annual CSO statistics that were fairly consistent with the Typical Year.

Table 2.2 Combined Sewer System Wet Weather Characterization for 2019 by CSO Regulator

Interceptor	CSO	Capture Volume (MG)	Overflow Volume (MG)	Capture %	Number of Hours Overflow	Number of Overflows	Drainage Area (acres)
Front Street Interceptor	CSO-04	6.13	11.54	38%	226	59	34
	CSO-05	11.56	16.40	41%	183	55	74
	CSO-06	8.13	4.89	62%	128	51	19
	CSO-07	8.09	5.76	52%	126	56	16
	CSO-08	12.77	21.50	41%	190	60	40
	CSO-09	24.21	32.56	43%	162	49	67
	CSO-10	35.69	19.87	64%	284	60	42
	CSO-11	9.95	16.10	38%	163	52	31
	CSO-12	6.67	9.00	43%	156	53	25
	CSO-13	7.64	2.96	72%	27	30	16
	CSO-14	29.45	9.46	76%	136	53	30
	CSO-15	10.33	7.09	59%	138	42	20
	CSO-16	2.17	2.38	50%	78	46	8
	CSO-17	3.52	0.90	80%	15	23	6
	CSO-18	12.12	11.59	54%	137	54	31
	CSO-19	8.48	6.69	56%	146	59	41
	CSO-20	0.80	0.11	86%	11	25	16
	CSO-49	15.28	8.32	65%	149	49	28
	CSO-50	23.53	8.97	72%	227	72	42
	CSO-51	51.91	27.65	65%	418	79	79
	CSO-52	12.92	9.58	57%	166	63	22
	CSO-53	6.04	2.16	74%	41	32	10
	CSO-54	4.60	3.08	60%	79	50	8
	CSO-55	8.14	4.55	64%	58	39	14
	CSO-56	6.48	4.21	61%	85	48	10
	CSO-57	4.04	5.75	39%	143	57	16
	CSO-58	3.18	0.62	83%	14	25	22
	Subtotal	**334.09**	**253.68**	**60%**			**767**
Paxton Creek Interceptor	CSO-21	60.43	26.03	70%	744	73	149
	CSO-22	6.42	0.89	88%	36	19	20
	CSO-23	3.87	0.90	81%	34	39	16
	CSO-24	40.82	11.80	78%	86	59	158
	CSO-25	4.81	0.81	85%	57	16	10
	CSO-26	11.08	12.78	48%	263	68	51
	CSO-27	7.10	2.39	75%	115	57	8

Table 2.2 Combined Sewer System Wet Weather Characterization for 2019 by CSO Regulator

Interceptor	CSO	Capture Volume (MG)	Overflow Volume (MG)	Capture %	Number of Hours Overflow	Number of Overflows	Drainage Area (acres)
	CSO-28	22.44	12.35	64%	154	50	54
	CSO-29	12.00	11.98	54%	287	76	43
	CSO-30	14.39	1.78	89%	25	30	40
	CSO-31	93.57	48.92	66%	342	69	220
	CSO-32	0.88	13.05	3%	1352	91	14
	CSO-33	6.54	7.34	50%	197	45	20
	CSO-34	29.24	26.69	52%	342	77	62
	CSO-37	23.38	29.77	44%	258	72	77
	CSO-38	8.50	7.86	51%	129	46	19
	CSO-39	4.38	12.44	6%	305	68	21
	CSO-40	2.65	3.82	43%	185	63	12
	CSO-41	5.23	3.78	54%	154	63	12
	CSO-42	18.49	54.37	31%	1752	106	6
	CSO-43	3.45	1.85	65%	71	48	6
	CSO-44	23.86	9.66	71%	137	58	47
	CSO-45	3.98	2.02	68%	44	41	10
	CSO-46	6.33	1.62	81%	34	33	9
	CSO-48	138.61	279.63	34%	366	64	766
	CSO-59	57.08	33.75	63%	204	60	154
	Subtotal	**610.13**	**618.28**	**50%**			**2,004**
Hemlock Creek Interceptor	CSO-60	4.54	1.08	81%	26	34	16
	CSO-61	12.47	18.06	44%	193	64	56
	CSO-62	8.52	4.01	68%	122	60	10
	CSO-63	10.67	6.14	63%	150	63	40
	CSO-64	3.94	0.89	82%	34	48	11
	Subtotal	**40.14**	**30.18**	**58%**			**133**
System Total	**2019**	**984**	**902**	**54%**			**2,904**
	2018	1,215	1,365	49%			
	2017	833	899	49%			
	2016	986	789	56%			
	Typical Year	863	796	53%			

The following conclusions can be drawn from an evaluation of the rainfall data and CSO capture/discharge statistics.

- Approximately 984 million gallons (MG) of combined wastewater was captured during 2019 (compared to 863 MG during the Typical Year), and approximately 902 MG was discharged during 2019 (compared to 796 MG during the Typical Year), corresponding to a percent capture of 54% (which is comparable to the Typical Year).
- While there are numerous overflows for each outfall, many of those overflows are relatively small volumes. For example, at CSO-041 there are 63 total overflow events, but 45 of those events are less than 0.05 MG. Only a few outfalls have large overflow volumes – for example, CSO-048 has a total of 64 overflow events, 55 of which are greater than 1 MG.

2.D.2 Dry Weather CSO Discharges

There were three dry weather overflows observed during this six month reporting period, which resulted from mud/silt/debris accumulation creating blockages. Further details for each DWO are provided in **Appendix K-5**. CRW has a proactive daily regulator inspection program to ensure that DWOs are prevented where possible and detected when they occur as soon as possible. CRW promptly resolves DWOs upon detection and removes accumulated material from the banks of the receiving waters. The total estimated discharge volume from the three events was about 547 gallons, which is a minimal quantity presenting insignificant impacts to the receiving water.

Section 3

Section 3
Collection System

3.A Sewer System Extensions

There were no sewer extensions in 2019 to CRW's collection system. Refer to **Appendix M** for descriptions of sewer system extensions in the contributing municipalities.

3.B Condition of Collection System

Partial CD Reference: V.c.11.a

There are approximately 160 miles of collection system sewers in the City of Harrisburg, which include combined sewers, separate sanitary sewers, and separate storm sewers. The combined collection system conveys wastewater and stormwater runoff during wet weather periods. During wet weather events when the combined flow exceeds the dry weather peak flow capacity, there are regulators and diversion chambers which intercept a portion of the wet weather flow for treatment at the AWTF and divert remaining flow to either Paxton Creek or the Susquehanna River. Approximately 80% of the collection system was installed prior to 1940.

3.B.1 Remedial Collection System Maintenance Activities

CRW is required to address long-standing deferred maintenance of its collection system according to the requirements of the partial CD and as further defined under CRW's NMC Plan and OMM. CRW also responds to customer service requests for maintenance, including flushing and cleaning of manholes, collection and conveyance lines as necessary. CRW responds to emergency sewer issues and repairs sewer mains as necessary. CRW also vacuumed, repaired, and/or rebuilt stormwater inlets. **Appendix J** provides the Collection System Activity Report. The comprehensive inlet cleaning and repair progress over the last six years is summarized in **Table 3.1.** During this reporting period CRW's significant maintenance efforts within the collection system resulted in the following accomplishments:

- Cleaned 211 inlets.
- Repaired 134 inlets.
- Replaced 9 inlets.
- Investigated and/or repaired 32 sinkholes
- Inspected 17.2 miles of collection system sewer

Table 3.1: Remedial Inlet/Catch Basin Maintenance Progress

Progress Report Period	Cleaned Inlets	Repaired Inlets
2014 (Jan) to 2015 (Jun)	292	150
2015 (Jul-Dec)	165	100
2016 (Jan-Jun)	131	82
2016 (Jul-Dec)	277	39
2017 (Jan-Jun)	404	154
2017 (Jul-Dec)	692	130
2018 (Jan-Jun)	758	76
2018 (Jul-Dec)	943	89
2019 (Jan-Jun)	738	123
2019 (Jul-Dec)	211	134
Total Addressed	4,611	1,077
Percent Addressed (of Entire System)	>100%	28%

3.B.2 Collection System Inspection, Prioritization, and Mapping Activities

CRW previously completed a rapid assessment of its collection system by using zoom cameras to inspect every manhole and connected pipes. CRW is utilizing this data in the following ways:

- Update the GIS mapping and H&H model to provide a better understanding of the connectivity and sewershed / catchment boundaries.
- Applying their asset management program to develop a prioritized schedule for early-action maintenance and repair of collection system sewers and manholes.
- Schedule a comprehensive prioritized CCTV inspection of the collection system, which began in 2016 and is scheduled to be completed by 2022.

In 2019 CRW continued to advance their Asset Management Program, which determines the core risk, failure modes, and mitigation factors for asset. The Program is utilized to prioritize inspection, repair, replacement, and rehabilitation needs in the collection system.

CRW field crews performed CCTV inspections of 9.5 miles of collection system sewer during this reporting period, and an additional 7.7 miles were inspected by an outside contractor.

3.B.3 Collection System Rehabilitation and Repair Activities

During the reporting period, CRW advanced the following collection system rehabilitation and repair projects:

- In December 2015, CRW completed a CCTV inspection and evaluation of approximately 5,000 LF of 10-in to 24-in sanitary sewer in the vicinity of Arsenal Blvd. Based on the findings of the evaluation, CRW continued with further evaluation of alternatives, including topographical survey and additional CCTV investigation of tributary storm (2,412 LF) and sanitary (2,289 LF) sewers in the area in June 2016. During 2019 H1 CRW continued design work, which will include rerouting portions of the sewer that are within the stream and areas of severe slopes.
- CRW publicly bid its annual sewer replacement and rehabilitation project in early 2019. The project included replacement and installation of approximately 1,185 linear feet of 8 through 30-inch diameter sewer main and associated appurtenances; CIPP lining of approximately 645 linear feet of 10-inch and 18-inch diameter sewer main; installation and rehabilitation of 16 manholes; and replacement of 10 storm sewer inlets. The project was completed in 2019.
- CRW will publicly bid its annual sewer replacement and rehabilitation project in early 2020.

3.C Sanitary Sewer Overflows & Combined Sewer Unauthorized Discharges

<u>Partial CD Reference:</u> Appendix A.d

Table 3.2 summarizes the sanitary sewer overflows (SSO) and combined sewer unauthorized discharges (UD) that occurred during this reporting period, as well as the previous reporting period. These events were reported to PADEP in accordance with the partial CD requirements.

These SSOs and UDs are the result of unexpected blockages and/or structural issues rather than hydraulic capacity constraints.

Table 3.2: Summary of Sanitary Sewer Overflows and Unauthorized Discharges

Date	Location	SSO or UD	Issue	Duration (Hrs)	Volume (Gallons)
2/9/19	2318 Berryhill St.	SSO	Line blockage (grease buildup)	2	--
2/11/19	2468 & 2472 Market St.	SSO	Line blockage	14	--
3/19/19	Dauphin & Wallace Streets	UD	Blockages in manholes	2	--
3/21/19	1607 Derry St.	UD	Disconnected lateral	--	--
9/11/19 & 9/18/19	605 N. 2nd St.	UD	Blockage from cross-bored utility		3
10/25/19	901 Capital S.	UD	Grease blockage	1	20-25
12/13/19	1518 Naudain St.	UD	Rag/grease blockage	1	

Section 4

Section 4

Wet Weather Control Program Progress Report

4.A Partial Consent Decree Requirements & Deadlines

Capital Region Water entered into a partial Consent Decree (CD) with the Department of Justice (DOJ), United States Environmental Protection Agency (EPA), and the Pennsylvania Department of Environmental Protection (DEP) for the management of their combined, sanitary, and storm sewer systems, as well as their pumping stations and Advanced Wastewater Treatment Facility. The Date of Lodging for the partial CD was February 10, 2015. This date serves as the starting point for multiple deadlines within the partial CD, whereas other dates were independently established and in some cases precede the Date of Lodging. The partial CD became effective when it was entered by the Court on August 24, 2015.

CRW has fulfilled the majority of the partial CD requirements during this reporting period from July 1, 2019 to December 31, 2019, as summarized in **Table 4.1** and highlighted in green within the table. Additionally, CRW completed most activities with completion deadlines prior to July 1, 2019, which are also summarized in Table 4.1 and highlighted in gray within the table. Table 4.1 also identifies compliance deadlines for the next reporting period, from January 1, 2020 to June 30, 2020, as stipulated by the partial CD. Compliance dates during this next reporting period that were met prior to this progress report are highlighted in blue within Table 4-1. Compliance dates that occur after the next reporting period are not color-coded within Table 4-1.

4.B Compliance Table

In order to document the relationship between the work that CRW has completed and each line item within the partial CD, **Table 4.2** outlines the following items:

- Partial CD Reference
- Description of Partial CD Requirement
- Deadline
- Progress to Date (7/1/19 to 12/31/19)
- Proposed Work (through 6/30/20)
- Compliance Status

The following color shading, similar to Table 4.1, has been applied to Table 4.2:

- Gray: completed in a previous reporting period
- Green: completed in the current reporting period
- Blue: already completed for the next reporting period
- Yellow: will be completed during the next reporting period

CRW has made significant progress in developing programs and projects in order to fulfill the future requirements of the partial CD.

Table 4.1: CRW Partial CD Deliverable Schedule and Tracking

Deadline	Deliverable	Section No.	Submission / Completion Date
	Initial Flow Metering and Monitoring Program Plan (IFMMPP)	V(E)(15)	7/1/2013
	IFMMPP Quarterly Reports	V(E) (15)(f)	1/29/15, 4/24/15, 7/29/15, 9/30/15
2/15/14	AWTF Upgrade Notice to Proceed	V(H)(32)(b)(i)	3/14/14
	AWTF Upgrade Quarterly Reports	V(H)(32)(b)(ii)	Monthly Reports
10/1/14	MS4 Individual Permit Application	V(D)(13)	10/1/14
10/31/14	Interceptor Structural Assessment	V(G)(31)(a)	10/31/14
11/28/14	Nutrient Credit Purchase	V(H)(32)(c)	11/3/14
12/30/14	Define Approach for LTCP Alternative Evaluation	V(E)(16)	12/23/14
12/31/14	Interim Resolution with City on Legal Authority Agreements	V(B)(10)	10/1/14
2/10/15	Date of Lodging of Consent Decree	IV(8)(p)	2/10/15
3/1/15	Interceptor Construction Schedule	V(G)(31)(a)	2/25/15
5/10/15*	CSO Activation Monitoring Pilot (CAMP) Study Plan	V(G)(31)(d)	5/8/15
8/1/15	Water Quality Modeling Plan (Demonstration Approach Only)	V(E)(16)	7/29/15
8/1/15	Long-Term Rainfall / Typical Year TM	V(E)(20)	7/29/15
8/10/15*	Nine Minimum Controls (NMC) Plan / O&M Manual	V(C)(11)	8/10/15
9/30/15	Semi-Annual Report / Meeting	VII(A)(43)	9/30/15
12/31/15	Upgrade Satellite Community Flow Meters	V(E)(15)(c)	8/21/14
2/10/16	CSO Outfall Structure Repair and Schedule	V(G)(31)(c)	2/10/16
2/10/16*	Capacity Assessment Plan	V(F)(30)(a)	2/10/16
3/16/16	AWTF Upgrade Construction Complete	V(H)(32)(b)(iii)	4/29/16
3/31/16	Semi-Annual Report / Meeting (with Chapter 94 Report)	VII(A)(43)	3/31/16
4/1/16	Sewer System H/H Model Report	V(E)(15)(h)	4/1/16
4/1/16	Sensitive Areas / Priority Areas TM	V(E)(19)	4/1/16
4/1/16	Financial Capability Analysis	V(E)(18)	4/1/16
8/10/16*	Annual Update of NMC Plan	V(C)(11)(a) & V(C)(12)	8/10/16
9/30/16	Semi-Annual Report / Meeting	VII(A)(43)	9/30/16
12/1/16	CAMP Study Report	V(G)(31)(d)	12/1/16
3/31/17	Semi-Annual Report / Meeting (with Chapter 94 Report) & O&M Manual Update	VII(A)(43)	3/31/17
4/1/17	Existing System Characterization	V(E)(21)	4/1/17
4/1/17	Capacity Assessment Report with repair schedule	V(F)(30)(c)	4/1/17
8/10/17*	Annual Update of NMC Plan	V(C)(11)(a) & V(C)(12)	8/10/17
9/30/17	Semi-Annual Report / Meeting	VII(A)(43)	9/30/17
12/31/18	Paxton Creek Interceptor Priority Remedial Work ***(Revised End Date)***	V(G)(31)(a)	See Note
2/10/18*	Sinkhole Remediation	V(G)(31)(b)	2/10/18

Deadline	Deliverable	Section No.	Submission / Completion Date
3/31/18	Semi-Annual Report / Meeting (with Chapter 94 Report) & O&M Manual Update	VII(A)(43)	3/31/18
4/1/18	Long Term Control Plan, submitted as part of CRW's Integrated Municipal Stormwater / Wastewater Plan titled *"City Beautiful H_2O Program Plan" (CBH2OPP)*	V(E)(14)	3/31/18
8/10/18*	Annual Update of NMC Plan	V(C)(11)(a) & V(C)(12)	8/10/18
9/30/18	Semi-Annual Report / Meeting (Note: Meeting held with EPA/DEP on 8/8/18 to review comments on CBH2OPP)	VII(A)(43)	9/30/18
12/31/18	Asylum Run Interceptor Priority Remedial Work	V(G)(31)(a)	12/31/18
12/31/18	Front Street Ph. I Interceptor Priority Remedial Work	V(G)(31)(a)	12/31/19
3/31/19	Semi-Annual Report / Meeting (with Chapter 94 Report) & O&M Manual Update	VII(A)(43)	3/30/19
8/10/19*	Annual Update of NMC Plan	V(C)(11)(a) & V(C)(12)	8/10/19
9/30/19	Semi-Annual Report / Meeting	VII(A)(43)	9/30/19
3/31/20	Semi-Annual Report / Meeting (with Chapter 94 Report) & O&M Manual Update	VII(A)(43)	
8/10/20*	Annual Update of NMC Plan	V(C)(11)(a) & V(C)(12)	
9/30/20	Semi-Annual Report / Meeting	VII(A)(43)	
12/31/20	Front Street Interceptor Priority Remedial Work	V(G)(31)(a)	See Note

** Based on Date of Lodging of Consent Decree of February 10, 2015.*

Note: Refer to Section 2.B

Table 4.2: General Description of Work Completed in Reporting Period and Planned for Next Reporting Period

Consent Decree Paragraph	Consent Decree Requirement	Deadline in Consent Decree / Submittal		Progress to Date (7/1/19 to 12/31/19)	Proposed Work (1/1/20 to 6/30/20)	Compliance Status
V.B	**LEGAL AUTHORITY**					
V.B.10	**Secure legal authority for enforcement, operation, and maintenance of sewer system and MS4, including:**	NMC Plan	8/10/2016	CRW's Environmental Compliance Officer developed the FOG program and also conducted illicit discharge inspections. CRW advanced the development of the updated wastewater and stormwater rules and regulations.	CRW adopted the updated wastewater and stormwater rules and regulations in February 2020. CRW will continue to implement its FOG program and conduct compliance investigations.	Complete, Ongoing
V.B.10.a	*inspect and regulate grease traps*					
V.B.10.b	*inspect and regulate non-domestic users*					
V.B.10.c	*implement MS4 permit and MCMs, including illicit discharge elimination and post construction storm water management*					
V.B.10.d	*maintain and repair connections to the sewer system and MS4*					
V.B.10	**Negotiate an interim resolution with the City with a schedule for the implementation of rules, regulations, ordinances, and other legal mechanisms. NMC Plan and MS4 Permit Application shall include similar schedules.**	CD	2/10/2015	Implemented before reporting period.	No additional work necessary.	Complete
V.C	**NINE MINIMUM CONTROLS**					
V.C.11	**Prepare an NMC Plan that evaluates and documents current NMC implementation and provides a schedule of actions to achieve compliance with the CSO Policy.**	CD	8/10/2015, with annual updates on August 10.	CRW submitted the NMC Plan Update.	CRW will update the NMC Plan and address EPA comments.	Complete, Updates Ongoing
V.C.11.a	**Conduct proper operation and regular maintenance of the conveyance and collection systems. Develop an operation and maintenance program. Prepare, update, and maintain an Operation & Maintenance Manual, which shall include:**	CD	8/10/2015, with annual updates on March 31.	CRW documented revisions for the OMM Update.	CRW will submit the OMM Update.	Complete, Updates Ongoing
V.C.11.a.i	*A list of critical facilities and equipment.*	*NMC Plan*	4/1/2016	CRW continued to review and update the list of critical equipment and facilities.	CRW will continue to review and update the list of critical equipment and facilities.	Complete, Updates Ongoing
V.C.11.a.ii	*A program to divide the conveyance and collection systems into different sewersheds and catchments.*	*NMC Plan*	4/1/2016	CRW continued to update the GIS mapping as additional information was gathered.	CRW will continue to update the GIS mapping as additional information is gathered.	Complete, Updates Ongoing
V.C.11.a.iii	*A program to locate, characterize, and map the diameter, length, elevation, construction material, and installation date of the collection and conveyance systems.*	*NMC Plan*	4/1/2016	CRW continued to update the GIS database as additional information was gathered.	CRW will continue to update the GIS database as additional information is gathered.	Complete, Updates Ongoing
V.C.11.a.iv	*A program to evaluate the structural integrity and maintenance needs of the conveyance and collection systems through internal inspections and visual inspections at sinkholes and the ground surface with highest priority on critical areas.*	*NMC Plan*	4/1/2016 (conveyance system) 4/1/2017 (collection system)	CRW advanced their risk-based asset condition/criticality rating system to be used to establish priorities for CCTV inspections and subsequent cleaning and repair projects. This is being utilized to prioritze projects.	CRW will use its risk-based asset condition / criticality rating system to further advance the prioritized program of remedial repairs, maintenance and systemwide CCTV inspections.	Conveyance system complete, collection system prioritization system -completed and being applied to schedule CCTV inspections and subsequent cleaning and repair projects.
V.C.11.a.v	*A program to inventory and inspect all force mains: documenting material, age, installation date, diameter, length, corrosion protection, and flow rates and develop a schedule for periodic evaluation*	*NMC Plan*	6/30/2016	A previous, internal force main inspection found no critical deficiencies, indicating that further inspection or rehabilitation is not required at this time. Routine force main monitoring continued.	Routine force main monitoring per the OMM.	Complete
V.C.11.a.vi	*A program to document citizen complaints and service requests and the associated corrective actions*	*NMC Plan*	10/31/2015, ongoing implementation	CRW continued to implement and optimize Cityworks for the management of complaints and service requests.	CRW will continue to implement and optimize Cityworks for the management of complaints and service requests.	Complete, Ongoing Implementation

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V.C.11.a.vii	*A program to identify, prioritize , and schedule remedial works determined from the findings of the investigations, evaluations, etc. required within the partial CD to prevent pipe failure, remove debris creating hydraulic bottlenecks, reduce I/I, and limit river intrusion.*	*NMC Plan*	Ongoing	CRW advanced their risk-based asset condition/criticality rating system to be used to establish priorities for CCTV inspections and subsequent cleaning and repair projects.	CRW will continue to apply its risk-based prioritization system to further advance a program of remedial repairs, maintenance and systemwide CCTV inspections.	Ongoing, No Delays Anticipated
V.C.11.a.viii	*A list that identifies and prioritizes equipment purchases*	*NMC Plan*	Ongoing	CRW purchased key equipment.	CRW will identify new equipment purchases to incorporate in the 2021 budget.	Ongoing, No Delays Anticipated
V.C.11.a.ix	*An O&M training program*	*NMC Plan*	Ongoing	CRW continued to provide training for staff.	CRW will continue to provide training for staff and further develop their O&M and NMC training.	Ongoing, No Delays Anticipated
V.C.11.a.x	*Regularly scheduled regulator and outfall inspections to detect and document CSO discharge events*	*NMC Plan*	Ongoing	CRW continued to perform daily regulator inspections at each regulator.	CRW will continue doing daily inspections at each regulator.	Ongoing
V.C.11.a.xi	*A program with SOPs for the remedial, routine, preventative, emergency, and as-needed maintenance of the conveyance and collection systems, including*	*NMC Plan*	Ongoing	CRW continued to implement the practices outlined in the OMM, while also implementing necessary improvements for the annual OMM update.	CRW will continue to implement the practices outlined in the OMM, while also implementing a prioritized program of remedial repairs, maintenance and systemwide CCTV inspections.	Ongoing
V.C.11.a.xi.1	*Inspection and cleaning of catch basins to remove sources of gate blockages*	*NMC Plan*	Ongoing	CRW has an ongoing inlet cleaning and inspection program as detailed in OMM Section 4.7.	CRW will continue to perform inlet cleaning and maintenance.	Ongoing
V.C.11.a.xi.2	*Inspection, cleaning, and maintenance of sewers and manholes*	*NMC Plan*	Ongoing	CRW continued to perform cleaning and CCTV inspection of the collection system.	CRW will continue to perform a prioritized program of remedial repairs, maintenance and systemwide CCTV inspections.	Ongoing
V.C.11.a.xi.3	*Inspection and maintenance of each pump station*	*NMC Plan*	Ongoing	CRW maintained their existing practices.	CRW will maintain their existing practices.	Ongoing
V.C.11.a.xi.4	*Procedures to document maintenance problems in the collection and conveyance system*	*NMC Plan*	10/31/2015, refinement ongoing	CRW continued to use Cityworks for data management of maintenance problems and refine it as necessary.	CRW will continue to use Cityworks to track work requests for maintenace problems and use collected data to refine SOPs.	Complete, Ongoing, No Delays Anticipated
V.C.11.a.xi.5	*Identification of the cause of CSOs*	*NMC Plan*	Ongoing	CRW personnel continued their daily inspections of regulators to check for CSOs, document their findings, identify causes,and remedy overflows when possible.	CRW will continue daily regulator inspections.	Ongoing, No Delays Anticipated
V.C.11.a.xi.6	*Investigation of sinkholes where sewer system defects are suspected, and identification and repairs of sinkholes caused by the collection or conveyance system deterioration*	*NMC Plan*	Ongoing	CRW investigated and repaired sinkholes in accordance with OMM Section 4.9.	CRW will continue to investigate and repair sinkholes in accordance with OMM Section 4.9.	Ongoing
V.C.11.a.xi.7	*Inspections of grease traps from facilities with food services*	*NMC Plan*	Ongoing	CRW's Environmental Compliance Officer is tasked with tracking and inspecting these facilities. A FOG program was developed, which includes inspection.	The Environmental Compliance Officer will continue to advance the insepction program. New rules and regulations were adopted.	Ongoing
V.C.11.a.xi.8	*Inspections of non-domestic customer facilities*	*NMC Plan*	Ongoing	CRW's Environmental Compliance Officer is tasked with tracking and inspecting these facilities.	The Environmental Compliance Officer will continue to advance the insepction program. New rules and regulations were adopted.	Ongoing
V.C.11.a.xi.9	*Annual planning and budgeting procedures to define the organization, staffing, and resources needed to properly operate and maintain the collection and conveyance systems.*	*NMC Plan*	Ongoing	CRW continued to hire key staff and budget for future projects.	CRW will continue to monitor their budget, plan for additional projects, and hire key additional staff.	No Delay Anticipated
V.C.11.a.xi.10	*Investigation and minimization of sources of floatables, solids, or other materials that cause blockages and/or reduce the hydraulic capacity of the conveyance and collection Systems.*	*NMC Plan*	Ongoing	CRW continued their current practices and coordinated with the City. CRW's Compliance Officer also investigated potential sources.	CRW will continue their current practices and coordinate with the City. CRW's Environmental Compliance Officer will continue investigations.	Ongoing

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V.C.11.b	**Maximize use of storage in the collection system, by performing the following:**					
V.C.11.b.i	*Investigate the condition and effectiveness of existing measures to prevent river intrusion in the combined sewer system and perform necessary maintenance or replacements to prevent river intrusion*	*CD*	2/10/2016	CRW identified early-action improvements to CSO outfalls that address critical structural and/or chronic river intrusion. CRW will focus on CSO outfalls that are unlikely to be eliminated, consolidated, replaced, relocated, or separated under the CSO LTCP and/or related flood control projects. One of the outfalls was repaired in 2019.	CRW will continue to advance early-action improvements to CSO outfalls that address critical structural and/or chronic river intrusion in 2020. CRW will focus on CSO outfalls that are unlikely to be eliminated, consolidated, replaced, relocated, or separated under the CSO LTCP and/or related flood control projects.	Submittal Complete, Implementation Ongoing
V.C.11.b.ii	*Conduct an engineering study to identify priority remedial work to maximize in-pipe storage*	*NMC Plan*	4/1/2018	CRW included this analysis in the CSO LTCP.	The findings will be incorporated in upcoming projects.	Submittal Complete, Implementation Ongoing
V.C.11.b.iii	*Identify portions of the combined sewer system that accumulate material and identify frequency for routine cleaning*	*NMC Plan*	Ongoing	CRW continued to perform cleaning and CCTV inspection of the collection system.	CRW will continue to evaluate collection system data to establish priorities for remedial repairs and maintenance and continue advancing systemwide CCTV inspections.	Ongoing, No Delays Anticipated
V.C.11.b.iv	*Identify locations where river intrusion occurs through cracked and damaged outfall pipes and develop a priority list and schedule for monitoring and repair/replacement*	*CD*	2/10/2016	CRW identified early-action improvements to CSO outfalls that address critical structural and/or chronic river intrusion. CRW will focus on CSO outfalls that are unlikely to be eliminated, consolidated, replaced, relocated, or separated under the CSO LTCP and/or related flood control projects. One of the outfalls was repaired in 2019.	CRW will continue to advance early-action improvements to CSO outfalls that address critical structural and/or chronic river intrusion in 2020. CRW will focus on CSO outfalls that are unlikely to be eliminated, consolidated, replaced, relocated, or separated under the CSO LTCP and/or related flood control projects.	Submittal Complete, Implementation Ongoing
V.C.11.c	**Maximize flow to the AWTF through the following measures:**					
V.C.11.c.i	*Utilize hydraulic modeling/engineering studies to evaluate, recommend, and support implementation of simple modifications to the conveyance system to maximize flow to the AWTF, including the following procedures:*	*NMC Plan*	4/1/2018	CRW utilized the H&H model to identify modifications to the conveyance system to maximize flow to the AWTF.	The findings will be incorporated in upcoming projects.	Analysis Comlete, Implementation Ongoing
V.C.11.c.i.1	*Assuring proper performance of all sewers, structures, and equipment in the Combined Sewer System and AWTF;*	*NMC Plan*	4/1/2018	CRW continued to operate the system according to the OMM and review issues in the collection system to set priorities for further investigation or renewal.	Continue to operate the system according to the OMM. Review issues identified by the collection system inpsection and set priorities for further investigation or renewal.	Ongoing
V.C.11.c.i.2	*Adjusting CSO diversion weirs or other devices to the degree possible without causing in-system surcharge or Building/Private Property Backups to reduce CSO activity;*	*NMC Plan*	4/1/2018	CRW identified modifications to implement as part of the baseline level of control.	CRW will continue planning for the immediate implementation phase.	Analysis Comlete, Implementation Ongoing
V.C.11.c.i.3	*Evaluating the benefits of any inflow and infiltration (I&I) reduction projects.*	*NMC Plan*	4/1/2018	Previously, CRW completed flow monitoring within the sanitary sewer system to quantify I&I, review of collection system inspection data to identify potential sources, and use of the H&H model to complete the separate sanitary sewer capacity evaluation. This evaluation found limited-benefit to I&I reduction as a primary means to address conveyance improvements..	No further action anticipated at this time.	Complete
V.C.11.c.ii	*Annually review and revise flow maximization (to AWTF) procedures*	*NMC Plan*	March 31, Annually	CRW completed studies to better quantify the hydraulic capacity of the AWTF and better maximize flows through the facility and incorporated findings into the LTCP.	CRW will continue assess flow maximization.	Ongoing

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V.C.11.d	**Eliminate dry weather overflows. Report DWOs by phone to PADEP within 4 hours and writing within 5 days of becoming aware it. Report the following in the semi-annual report.**	*NMC Plan*	Ongoing	CRW reports all dry weather overflows in accordance with the guidelines.	CRW will continue their current practices.	Ongoing
V.C.11.d.i	*The number of reported Dry Weather Overflow events that have occurred;*	*NMC Plan*	Ongoing	There were three DWOs detected during daily regulator inspections during the reporting period.	CRW will continue their current practices.	Ongoing
V.C.11.d.ii	*A detailed description of the causes of Dry Weather Overflows, and the actions that CRW has taken and will take in the future to prevent recurrence;*	*NMC Plan*	Ongoing	CRW resolved the issues to correct the DWOs, which were related to debris accumulation.	CRW will continue their current practices.	Ongoing
V.C.11.d.iii	*The existing methods used for detecting Dry Weather Overflows and their efficacy;*	*NMC Plan*	Ongoing	CRW continued their current practices.	CRW will continue their current practices.	Ongoing
V.C.11.d.iv	*The remedial measures taken for pollution deposited in Receiving Waters or onto the stream banks after a Dry Weather Overflow;*	*NMC Plan*	Ongoing	CRW continued their current practices.	CRW will continue their current practices.	Ongoing
V.C.11.d.v	*The environmental impacts of Dry Weather Overflow events.*	*NMC Plan*	Ongoing	CRW tracks the volumes and assesses impact, which is typically minimal, to the receiving waters.	CRW will continue their current practices.	Ongoing
V.C.11.e	**Operate and maintain the combined sewer system to control solid and floatable materials discharged from CSO outfalls and remove these materials from the stream banks. Conduct annual evaluations of past performance and implement corrective actions.**	*NMC Plan*	4/1/2018	CRW removes waste material that has accumulated on the stream banks, if applicable. The LTCP evaluated options for inclusion in futre projects.	Options for floatables control will be evaluated in upcoming projects.	Complete, Updates Ongoing
V.C.11.f	**Implement public notification procedures set forth in the NMC Plan.**	NMC Plan	8/10/2016	CRW completed the signage installation.	CRW will continue to update signage and notification procedures, as needed.	Signage implementation is complete.
V.C.11.f.i	*Install and maintain signs at each CSO outfall that notify and alert the public.*	NMC Plan	8/10/2016			
V.C.11.f.ii	*Install warning signs at public stream access points that notify and alert the public*	NMC Plan	8/10/2016			
V.C.11.f.iii	*Develop written procedures to provide the public with information concerning CSO discharge, impacts on water quality, and CSO locations*	*NMC*	8/10/2016			
V.C.11.f.iv	*Distribute CSO pamphlets for public education*	*NMC*	Ongoing	CRW continued to implement their public outreach, education, and notification programs.	CRW will further advance their notification prorgram. CRW will continue with public outreach events and communications.	Ongoing
V.C.11.f.v	*Evaluate and document CSO public education programs and community response and develop follow-up plans*	*NMC*	Ongoing			
V.C.11.f.vi	*Investigate and document public involvement*	*NMC*	Ongoing			
V.C.11.f.vii	*Consider implementing email and/or text message public notification systems*	*NMC*	8/10/2016			

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V.C.11.g	**Utilize the following phased approach to characterize CSO impacts and control efficacy:**					
V.C.11.g.i	*During Phase I, employ visual inspections (once per day at each regulator and outfall) and other simple methods, supplemented by characterization and monitoring efforts, to determine the occurrence and apparent impacts of CSOs.*	*CD*	12/31/2016	CRW inspects the regulator and outfalls daily. Each inspection is documented in Cityworks.	CRW will continue to conduct daily inspection of the regulators and outfalls.	Ongoing
V.C.11.g.ii	*During Phase II, utilize a combination of visual inspections and technology (determined by CAMP Study) to accurately measure the volume, duration, and start/stop time of all CSO discharges.*	*CD*	To be determined	CRW maintained their existing practices.	CRW will consider CSO activation monitoring approaches as part of certain future projects.	No Delay Anticipated
V.C.11.g.iii	*During Phase III, implement the approved post-construction monitoring program.*	*CD*	To be determined	No activity during this period.	No activity anticipated this period.	No Delay Anticipated
V.C.11.g.iv	*During all Phases, record total daily rainfall in at least five minute increment.*	*CD*	Ongoing	CRW will continue to monitor rainfall at the eight rain gauges and collect GARR data.	CRW will continue to monitor rainfall at the eight rain gauges and collect GARR data.	Ongoing
V.C.11.g.v	*CRW shall document the procedures used to collect data for CSO overflow events and maintain a record of CSO activity and rainfall.*	*NMC Plan*	Ongoing	CRW documented all their procedures related to regulator and outfall inspections and the occurrence of CSOs in Cityworks. Rainfall is also recorded as noted above. The data is compiled in the Combined Sewer Overflow Report, which is included with the Semi-Annual Report.	CRW will continue to monitor and document each CSO event. CRW is also applying its H&H model to simulate GARR rainfall and estimate CSO volume and duration.	Ongoing
V.C.11.g.vi	*Once the H&H model is developed and calibrated it shall be utilized to characterize and report CSO discharges. Rainfall data shall continue to be collected from at least six rainfall gauges, as well as GARR.*	*CD*	4/1/2016	CRW applied its H&H model to simulate GARR rainfall and estimate CSO volume and duration.	CRW will apply its H&H model to simulate GARR rainfall and estimate CSO volume and duration.	Complete, Ongoing
V.C.12	**On an annual basis, evaluate the efficacy of NMC Plan and revise it in redline format.**	CD	Annual	CRW submitted the NMC Plan Update.	CRW will consider updates for the next NMC Plan Update	Complete, Annual Updates Ongoing
V.D	**MINIMUM CONTROL MEASURES - STORMWATER DISCHARGES**					
V.D.13	**Submit an MS4 Individual Permit application with a Stormwater Management Plan with procedures and a schedule for complete implementation of the MCMs, including:**	CD	10/1/2014; 9/16/17	CRW submitted a new individual permit application in September 2017 in conjunction with a Joint Pollutant Reduction Plan in collaboration with two neighboring municipalities. CRW responded to DEP comments on the application and plan.	CRW will respond to DEP comments on the application and plan, if needed.	Complete, Ongoing
V.D.13.a	*Develop a map of the MS4 with all the outfalls identified; develop a list of priority areas for illicit discharge detection and conduct inspections/screenings; and report on illicit discharge detection and elimination efforts.*	SWMPlan	First Year of MS4 Permit Coverage	CRW's Environmental Compliance Officer began conducting illicit discharge inspections.	CRW will continue to develop illicit discharge detection and elimination protocols required under the forthcoming MS4 permit.	Ongoing, No Delays Anticipated
V.D.13.b	*Develop and implement a program for reviewing post-construction storm water runoff BMPs, inspecting BMP construction and maintenance, and maintaining an inventory of postconstruction BMPs.*	SWM Plan	First Year of MS4 Permit Coverage	CRW has been conducting stormwater management plan reviews through coordination with the City of Harrisburg. CRW has also developed interim rules and regulations for stormwater management and continues to develop possible refinements to these rules and regulations to address specific compliance needs. CRW is also pursuing an MOU with the Dauphin County Conservation District.	CRW will work with the City on plan reviews and necessary changes to legal mechanisms.	Ongoing, No Delays Anticipated

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V.E	**LONG TERM CONTROL PLAN DEVELOPMENT**					
V.E.14	**Complete a revised and updated LTCP, including schedules, deadlines, and timetables for remedial measures to meet the following goals:**	CD	4/1/2018	Provided under anticipated activities for V.E.15 through V.E.26	Provided under anticipated activities for V.E.15 through V.E.26	Ongoing
V.E.14.a	*Bring all CSO discharge points into full compliance with the technology based and water quality-based requirements of the CWA; and*					
V.E.14.b	*minimize the impacts of CSOs on water quality, aquatic biota, and human health.*					
V.E.15	**Implement the final IFMMPP and complete the following activities:**					
V.E.15.a	*Map and inspect the condition of the combined and separate sanitary sewer systems;*	NMC Plan	4/1/2016	The collection system manhole investigation/rapid assessment data was utilized to revise the connectivity of the pipe networks in GIS, develop the H&H model of CRW's trunk sewers, and refine sewershed boundaries.	CRW will continue to update as additional field investigations are performed.	Complete, Ongoing
V.E.15.b	*Divide the combined and separate sanitary sewer systems into sewersheds and catchments;*					
V.E.15.c	*Upgrade the flow meters measuring from the satellite communities and continue to utilize the upgraded meters throughout the CD;*	CD	12/31/2015	CRW continued to utilize the upgraded flow meters.	CRW will continue to utilize the upgraded flow meters.	Complete
V.E.15.d	*Install, utilize, and maintain at least six continuously recording rainfall gauges and procure GARR;*	CD	Ongoing	CRW continued to monitor rainfall from the eight rain gauges and employ GARR.	CRW will continue to monitor rainfall from the eight rain gauges and employ GARR.	Complete, Ongoing
V.E.15.e	*Install flow monitoring devices on major trunk sewers tributary to thirteen critical CSO outfalls and on nine interceptor sites, which are both identified in the IFMMPP, and monitor and collect data for a minimum of 12 months;*	CD	Ongoing, complete by 11/1/2015	CRW continued to monitor flow at 8 locations along the interceptor	CRW will continue to monitor flow at 8 locations along the interceptor	Complete, Ongoing
V.E.15.f	*Prepare quarterly technical memoranda documenting the results and quality of the flow monitoring data;*	CD	10/1/2014 through 10/1/2015	No action required during this reporting period.	No activity anticipated this period.	Complete
V.E.15.g	*Utilize rainfall and flow monitoring data to revise, calibrate, and validate the H&H model using the EPA SWMM 5 modeling platform. H&H model shall include the entire conveyance system, combined collection system trunk sewer greater than 42-in in diameter, and an additional 10% of the system, which shall include 15-20 percent of the combined sewer system and portions of the separate sanitary sewer system;*	CD	4/1/2016	No action required during this reporting period.	No activity anticipated this period.	Complete, Updates Ongoing
V.E.15.h	*Prepare a Sewer System H&H Model Report with the requirements outlined in the CD; refer to the CD.*	CD	4/1/2016	No action required during this reporting period.	No activity anticipated this period.	Complete
V.E.16	**Identify pollutants of concern for each receiving water and evaluate the LTCP approach options (presumptive or demonstration) for each receiving water**	CD	12/31/2014	No action required during this reporting period.	No activity anticipated this period.	Complete

Table 4.2: General Description of Work Completed in Reporting Period and Planned for Next Reporting Period

Consent Decree Paragraph	Consent Decree Requirement	Deadline in Consent Decree / Submittal		Progress to Date (7/1/19 to 12/31/19)	Proposed Work (1/1/20 to 6/30/20)	Compliance Status
V.E.17	**Prepare a Water Quality Modeling Plan if the demonstration approach will be utilized in one or more receiving waters, which shall include the following:**	CD	8/1/2015	No action required during this reporting period.	No activity anticipated this period.	Complete
V.E.17.a	*Water quality modeling software to be employed;*					
V.E.17.b	*Model configuration, including reaches to be modeled and segmentation and boundary conditions;*					
V.E.17.c	*Calibration and validation, including events and data to be employed, quantitative and qualitative calibration criteria, and utilization of H&H Model outputs;*					
V.E.17.d	*Use of the Water Quality Model to evaluate Typical Year in-stream conditions for each identified pollutant of concern;*					
V.E.17.e	*Schedule for model development and implementation, including integration into LTCP development consistent with other dates required pursuant to this Consent Decree.*					
V.E.18	**Prepare a Financial Capability Analysis, including sewer rate setting, service population definition, and median household income.**	CD	4/1/2016	No action required during this reporting period.	No activity anticipated this period.	Complete
V.E.19	**Prepare a report that addresses sensitive and priority areas in the receiving waters with documentation of inquiries to state and federal agencies.**	CD	4/1/2016	No action required during this reporting period.	No activity anticipated this period.	Complete
V.E.20	**Prepare a report on the statistical evaluation of long-term rainfall patterns and the identification of a typical year for the LTCP.**	CD	8/1/2015	No action required during this reporting period.	No activity anticipated this period.	Complete
V.E.21	**Prepare an Existing System Characterization that includes the following:**	CD	4/1/2017	No action required during this reporting period.	No activity anticipated this period.	Complete; Ongoing
V.E.21.a	*Utilize the H&H model to characterize CSO discharge events based on an inter-event period of six hours;*					
V.E.21.b	*Incorporate the results of the investigation of priority and sensitive areas;*					
V.E.21.c	*Characterize the current water quality in receiving waters in which the demonstration approach is utilized and identify efforts to identify pollutants of concern;*					
V.E.22	**Conduct an alternatives evaluation that consists of (1) identification of feasible CSO control technologies, (2) evaluation of a wide range of CSO control alternatives and sizes of each, (3) selection of a suite of proposed CSO controls to comply with the CWA. Focus on controls for outfalls with sensitive areas, priority areas, high frequency, or greatest volume.**	CD	4/1/2018	CRW met with EPA/DEP to address comments and provided follow-up documentation when requested.	CRW will address EPA comments on the LTCP.	Complete, Updates Ongoing
V.E.22.a	*Assess the technical feasibility of the following control technologies: source controls, collection system controls, storage technologies, and treatment technologies. Separation and deep tunnel storage shall be included.*	CD				
V.E.22.b	*Identify a broad range of CSO controls for detailed evaluation; refer to CD for details.*	CD				
V.E.22.c	*Consider GI alternatives as part of the control alternatives; refer to CD for details.*	CD				

Table 4.2: General Description of Work Completed in Reporting Period and Planned for Next Reporting Period

Consent Decree Paragraph	Consent Decree Requirement	Deadline in Consent Decree / Submittal		Progress to Date (7/1/19 to 12/31/19)	Proposed Work (1/1/20 to 6/30/20)	Compliance Status
V.E.23	**Analyze the LTCP impact on environmental justice populations.**	CD	4/1/2018	No activity required this period.	CRW will address EPA comments on the LTCP.	No Delay Anticipated
V.E.24	**The LTCP shall include these specific elements; refer to CD for details.**	CD	4/1/2018	CRW met with EPA/DEP to address comments and provided follow-up documentation when requested.	CRW will address EPA comments on the LTCP.	No Delay Anticipated
V.E.25	**Any proposal to modify the LTCP development schedule or the content of the deliverables shall follow the procedures in Section XIX.**	CD	To be determined	No activity required this period.	No activity anticipated this period.	No Delay Anticipated
V.E.26	**After approval the LTCP shall be incorporated into and be an enforceable part of a modification to this CD or a second CD.**	CD	To be determined	No activity required this period.	No activity anticipated this period.	No Delay Anticipated
V.F	**SEPARATE SANITARY SEWER SYSTEM COMPLIANCE**					
V.F.27	**Sanitary sewer overflows are prohibited.**	CD	Noted			
V.F.28	**Report SSOs by phone to PADEP within 4 hours and writing within 5 days of becoming aware it.**	CD	Ongoing	CRW reported all SSOs within the collection system, as reported elsewhere in the semi-annual report.	CRW will continue to report SSOs.	Ongoing
V.F.29	**Satisfy the following compliance requirements in the operation and maintenance of the separate sanitary sewer system:**					
V.F.29.a	*The OMM shall address the O&M of the separate sanitary sewer system;*	CD	8/10/2015	CRW considered revisions for the OMM Update.	CRW will submit the next OMM Update.	Complete, Updates Ongoing
V.F.29.b	*The H&H model shall include the portions of CRW's conveyance system that receive flow from the separate sanitary sewer system and portions of the separate sanitary sewer system that have experienced chronic capacity-related SSOs;*	CD	4/1/2017	No activity required this period.	No activity anticipated this period.	Complete
V.F.29.c	*The H&H model shall accurate characterize the dry and wet weather flows from the separate sanitary sewer system;*	CD	4/1/2017	No activity required this period.	No activity anticipated this period.	Complete
V.F.29.d	*The LTCP shall address the portions of the conveyance system receiving flow from the separate sanitary sewer system.*	CD	4/1/2018	No activity required this period.	No activity anticipated this period.	Complete, Updates Ongoing
V.F.30	**Separate Sanitary Sewer System Capacity Assessment**					
V.F.30.a	*Prepare a Separate Sanitary Sewer System Assessment Plan that describes an engineering assessment with schedule to satisfy V.F.30.b.*	CD	2/10/2016	No action required during this reporting period.	No activity anticipated this period.	Complete
V.F.30.b	*Implementation of separate sanitary sewer capacity assessment plan; refer to CD for details.*	CD	4/1/2017	No activity required this period.	No activity anticipated this period.	No Delay Anticipated
V.F.30.c	*Implement the recommendations of the Capacity Assessment*	CD	TBD	An implementation schedule for identified capacity enhancements will be incorporated into the LTCP.	An implementation schedule for identified capacity enhancements will be incorporated into the LTCP.	No Delay Anticipated

Table 4.2: General Description of Work Completed in Reporting Period and Planned for Next Reporting Period

Consent Decree Paragraph	Consent Decree Requirement	Deadline in Consent Decree / Submittal		Progress to Date (7/1/19 to 12/31/19)	Proposed Work (1/1/20 to 6/30/20)	Compliance Status
V.G	**ONGOING CONSTRUCTION EARLY ACTION PROJECTS**					
V.G.31	**Complete the following projects within the timeframes below:**					
V.G.31.a	*Perform a comprehensive assessment of the structural integrity of the Front Street Interceptor, Paxton Creek Interceptor, Asylum Run Interceptor, and Spring Creek Interceptor. Identify all priority remedial work and develop a construction schedule. All priority remedial work shall be completed by the following dates:*	CD	10/31/14; 3/1/15	Interceptor cleaning was completed in March 2017. CRW finalized the extent of improvements required based on the cleaning and inspection results.	Continued design of rehabilitaion.	Complete; Implementation Ongoing
V.G.31.a.i	*on the Paxton Creek Interceptor, by December 31, 2017;*	CD	***12/31/2018; TBD***	Construction did not continue in 2019 due to the poor condition of the pipe adversely impacted lining progress.	CRW is evaluating alternative rehabilitation or replacement options.	**Ongoing**
V.G.31.a.ii	*on the Asylum Run Interceptor, by December 31, 2018; and*	CD	12/31/2018	Construction was completed.	No activity anticipated this period.	Complete
V.G.31.a.iii	*on the Front Street Interceptor, by December 31, 2020.*	CD	***12/31/2020; TBD***	Construction of Ph. I was completed.	Ph. II analysis is ongoing.	**Ongoing**
V.G.31.a	*Priority remedial work shall include all interceptor segments that receive a pipe segment score of "5" or "4".*	CD	3/1/2015	Incorporated in interceptor design projects.	Incorporated in active construction projects.	Ongoing
V.G.31.b	*Prepare a list of all sinkholes, investigate all sinkholes reported as of the date of lodging, provide a schedule for repairs, and remediate all sinkholes caused by the structural deterioration of the collection and conveyance systems.*	CD	2/10/2018	CRW continued to investigate and remediate sinkholes.	CRW will continue to investigate and remediate sinkholes.	Complete, Updates Ongoing
V.G.31.c	*Investigate each CSO outfall for structure defects, define priority remedial work, and develop a schedule for the work.*	CD	2/10/2016	CRW identified early-action improvements to CSO outfalls that address critical structural and/or chronic river intrusion. CRW will focus on CSO outfalls that are unlikely to be eliminated, consolidated, replaced, relocated, or separated under the CSO LTCP and/or related flood control projects. One of the outfalls was repaired in 2019.	CRW will continue to advance early-action improvements to CSO outfalls that address critical structural and/or chronic river intrusion in 2020. CRW will focus on CSO outfalls that are unlikely to be eliminated, consolidated, replaced, relocated, or separated under the CSO LTCP and/or related flood control projects.	Submittal Complete, Implementation Ongoing
V.G.31.d	*Develop a CSO Activation Monitoring Pilot Study Plan for CSO activation monitoring technologies in four CSOs for at least 12 months.*	CD	5/10/2015 (Plan)	No action required during this reporting period.	No action required during this reporting period.	Complete
V.G.30.d.i	*Evaluate the efficacy of the technologies in providing remote real-time regulator status and detecting DWOs.*					
V.G.31.d.ii	*The CAMP Study Plan shall identify the pilot study technologies.*					
V.G.31.d.iii	*Implement the approved CAMP Study Plan*		12/1/2016 (Study Report)	CRW maintained their existing practices.	CRW will consider CSO activation monitoring approaches as part of certain future projects.	No Delay Anticipated

Table 4.2: General Description of Work Completed in Reporting Period and Planned for Next Reporting Period

Consent Decree Paragraph	Consent Decree Requirement	Deadline in Consent Decree / Submittal		Progress to Date (7/1/19 to 12/31/19)	Proposed Work (1/1/20 to 6/30/20)	Compliance Status
V.H	**GENERAL COMPLIANCE**					
V.H.32	**Effluent Limits for AWTF.**					
V.H.32.a	**Comply with the final effluent limits in the NPDES Permit.**			There were no permit exceedences.	CRW will continue to fulfill these reporting requirements.	
V.H.32.b	**The compliance schedule for the AWTF BNR project construction is as follow:**					
V.H.32.b.i	*Issue AWTF NTP by 2/15/14;*	CD	2/15/2014	Complete; No activity this period.	No activity anticipated this period.	Complete
V.H.32.b.ii	*Provide quarterly construction progress reports;*	CD	Complete	Complete; No activity this period.	No activity anticipated this period.	Complete
V.H.32.b.iii	*Complete construction by 2/15/16.*	CD	2/15/2016	Complete; No activity this period.	No activity anticipated this period.	Complete
V.H.32.c	**Purchase nutrient credits for the compliance period ending on 12/30/14**		11/28/2014, annual renewal	No activity required this period.	No activity required this period.	Complete
V.H.33	**Dry Weather Overflows**					
V.H.33.a	*DWOs are prohibited*	CD	Noted			
V.H.33.b	*Report DWOs by phone to PADEP within 4 hours and writing within 5 days of becoming aware it.*	CD	Ongoing	There were three DWOs detected during daily regulator inspections during the reporting period.	CRW will continue to fulfill these reporting requirements.	Ongoing
V.H.33.c	*When a DWO occurs begin corrective action immediately upon notification or discovery*	CD	Ongoing	The DWOs were resovled.	CRW will continue to fulfill these reporting requirements.	Ongoing
V.H.33.d	*Report all DWOs in the semi-annual report.*	CD	Ongoing	CRW continued to perform these reporting requirements.	CRW will continue to fulfill these reporting requirements.	Ongoing
V.H.34	**Unauthorized releases from the combined sewer system are prohibited.**	CD	Noted			
V.H.35	**Report unauthorized releases by phone to PADEP within 4 hours and writing within 5 days of becoming aware it.**	CD	Ongoing	CRW continued to track and report unauthorized discharges.	CRW will continue to track and report unauthorized discharges.	Ongoing
V.H.36	**Reporting Planned Changes and Non-Compliance.**					
V.H.36.a	*Comply with the provisions of the NPDES permit requiring the reporting of anticipated and unanticipated non-compliance with the NPDES permit.*	CD	Ongoing	There were no permit exceedences.	CRW will continue to fulfill these reporting requirements.	Ongoing
V.H.36.b	*Written notice of non-compliance shall also be submitted to EPA*	CD	Ongoing	CRW continued to perform these reporting requirements.	CRW will continue to fulfill these reporting requirements.	Ongoing

4.C Progress & Projected Work

4.C.1 Legal Authority, Rules & Regulations, and Compliance

Partial CD References: V.B.10, V.D.13.a, V.D.13.b

Following the acquisition of portions of the sewer system that were previously owned and operated by the City of Harrisburg, it was necessary for CRW to acquire additional legal authority for the enforcement of activities within the City. In collaboration with the City, CRW entered into an intergovernmental cooperation agreement to facilitate and assist with environmental compliance. The Agreement provides CRW with the necessary enforcement authority to fulfill their permit and consent decree requirements, as well as outlines means for cooperation between the two entities.

CRW adopted new Wastewater and Stormwater Rules and Regulations on February 1, 2020.

CRW hired an Environmental Compliance Officer in May 2019 that is tasked with enforcing compliance. During this reporting period, CRW's Environmental Compliance Officer conducted 15 investigations and issued three notices of violation. A Fats, Oils, and Grease (FOG) Program was also developed, which will be implemented over the next three years. Development of the program involved preparing the following draft documents: standard operating procedures, an ordinance for inclusion in the updated Wastewater and Stormwater Rules and Regulations, FOG permit documentation, a FOG registry, public education materials, an enforcement response plan, and an implementation plan. CRW has also been coordinating closely with the City of Harrisburg on FOG permitting and inspection requirements.

4.C.2 NMC Plan & OMM

Partial CD References: V.C.11, V.C.11.a, V.C.11.b, V.C.12

CRW developed a detailed approach to achieve future compliance with each of the NMCs, which was submitted in the August 10, 2015 NMC Plan. In many cases the compliance measures are already implemented, such as daily CSO regulator inspections. In other areas, additional information is required to implement some of the NMCs and CRW has undertaken the efforts necessary to collect the data. Refer to Table 4.2 for additional details on the specific implementation of NMC requirements under the partial CD. In 2019, CRW incorporated recommended improvements in the August 2019 Annual Update. **Appendix L** presents the NMC Plan Summary Table that was included with the NMC Plan Update (submitted August 10, 2019) and provides details on the current level of implementation for each NMC, as well as the proposed future actions to achieve full compliance.

CRW completed the new Operations and Maintenance Manual (OMM) on August 10, 2015. The OMM defines the critical equipment and facilities for the AWTF and collection/conveyance systems. The OMM also includes detailed procedures, complete with checklists, for the following system components: CSO regulators, outfalls and backflow prevention gates, pump stations, interceptors, force mains, collection system and manholes, and inlets and catch basins. The OMM also outlines emergency procedures, citizen complaint tracking, sinkhole remediation, and education programs. During 2019, CRW reviewed the OMM to implement improvements in the

2019 Annual Update, which will be submitted with the 2019 Chapter 94 report in accordance with the consent decree.

4.C.3 GIS & Cityworks

Partial CD References: V.C.11.a.iii, V.C.11.a.vi, V.C.11.a.xi.4, V.C.11.b.iii

Since the implementation of Cityworks on October 20, 2015, CRW continues to expand the development of the sewer maintenance management system. This software is the record keeping tool for maintenance activities and assist in reporting requirements of the partial CD. During this reporting period the following items have been documented in Cityworks for sewer system maintenance and inspection activities:

- 1,704 work orders completed, including pipe flushing, cleaning out manholes, repairing manholes
- 10,498 daily CSO inspections
- 283 hotspot inspections

CRW continues to review and assess the data captured with relation to workflow processes and reporting requirements. Training protocol for all Cityworks users has been established and continues according to new hires and individual needs. Training materials, such as 'User Guides', were developed and implemented. Integration and roll-out of updates and customization to the user interface were developed and implemented to improve efficiency and accuracy of data collection. CRW is incorporating additional reporting, related to maintenance and regulatory activities within the sewer system, from Cityworks data.

CRW continues to update their GIS database, and recent additions include incorporating capital projects. CRW also incorporated data for the AWTF into Cityworks, which was operational in early 2019.

4.C.4 Public Notification & Outreach

Partial CD Reference: V.C.11.f

CRW installed three pilot CSO advisory signs in the spring of 2017 to receive public feedback and further coordinate their signage plan with the City requirements. CRW made modifications to its CSO advisory sign text in response to EPA comments. CRW began updating a CSO hotline with the status of CSO events.

CRW has continued to conduct numerous public outreach activities during this reporting period, including the following:

- Monthly litter cleanups were held.
- Monthly Community Ambassador Meetings, a committee of Harrisburg residents that advise Capital Region Water on its projects and programs, were held.

- Held four public meetings on stormwater and one public meeting on the updated wastewater rules and regulations.
- Conducted ten facility tours for various public groups.
- Participated in 18 community events.
- Utilized multiple methods of public outreach, including bill inserts, door to door, local media coverage, website, email, and social media to engage the public.

4.C.5 MS4 & TMDL Strategy

Partial CD Reference: V.D.13

CRW prepared and submitted a new MS4 Individual Permit Application on September 15, 2017 based on the revised DEP MS4 permit requirements. This also involved developing Pollutant Reduction Plans and identifying key projects. CRW partnered with Lower Paxton Township and Susquehanna Township to prepare the Joint Pollutant Reduction Plan.

To solidify this partnership, an Intergovernmental Cooperation Agreement between CRW, Lower Paxton Township and Susquehanna Township for the implementation of the Joint Pollutant Reduction Plan to address the combined sediment waste load reduction obligations of signatory parties was executed. The costs associated with the development will be shared equally. The cost for implementation associated with each New BMP Project shall be shared pursuant to the allocation provided in the Task Order authorizing the New BMP Project. The Task Orders will be executed as sub-agreements under the Intergovernmental Cooperation Agreement.

Under this program, the Municipal Entities are partnering with PennDOT as well. PennDOT has allocated at least $1 million dollars to execute the goals under the Joint PRP and the Municipal Entities have agreed to match those funds. At the beginning of 2020, PennDOT issued an Invitation for Bids for a project to construct stormwater Best Management Practices (BMPs), specifically stream restoration projects, that reduce sediment pollution discharging to the watershed. The award will be based upon the lowest total cost per pound of annual sediment reduction credit that can be achieved in five years for the compensation of $2,000,000.00.

On April 9, 2019, we received comments from PADEP on the Joint PRP which resulted in revisions to the Plan. The Municipal Entities revised the Joint Plan and conducted a 30-day public comment period. On December 30, 2019, the Revised Joint Plan was resubmitted to PADEP. The Municipal Entities are awaiting response and approval from PADEP.

4.C.6 IFMMPP & CAMP Study

Partial CD Reference: V.C.11.g.i, V.E.15, V.F.30.a, V.G.31.d.iii

CRW continued to monitor eight precipitation gauging sites, as well as gauge adjusted radar rainfall, which is an ongoing program. CRW is maintaining the four flow meters monitoring flow from the satellite communities, as well as eight of the combined sewer interceptor flow meters at the current sites in order to support flow maximization and storage maximization evaluations.

The CBH2OPP recommends enhancements to all CRW regulator structures as interceptor and pumps station rehabilitation projects are completed. These enhancements include improved flow regulation equipment with appropriate monitoring, telemetry, and control capabilities evaluated during design.

4.C.7 LTCP Development

Partial CD Reference: V.C.11.c, V.E.15, V.E.18, V.E.19, V.E.21, V.F.30

CRW submitted the City Beautiful H2O Program Plan (CBH2OPP) on April 1, 2018. The CBH2OPP is designed to meet U.S.EPA's Integrated Municipal Stormwater and Wastewater Planning Approach Framework, satisfy requirements of CRW's partial CD, and satisfy the requirements of U.S. EPA's CSO Control Policy, including CSO Long-Term Control Planning requirements.

CRW received comments on the CBH2OPP on July 6, 2018 and met with EPA/DEP to review these comments on August 7, 2018. CRW provided an initial response on August 31, 2018, which was followed up by a more detailed response on November 9, 2018. CRW also participated in a conference call with USEPA on November 1, 2018 regarding the Financial Capabilities Assessment (FCA). CRW began working on a revised FCA in response to EPA comments, including the incorporation of the suburban communities in the analysis.

CRW met with EPA/DEP on September 10, 2019 to discuss the CBH2OPP. A technical meeting was also held on October 17, 2019 to discuss comments on the CBH2OPP.

4.C.8 Green Stormwater Infrastructure Program

Through the end of 2019, CRW has made strides to further the development and implementation of its Green Stormwater Infrastructure (GSI) Program. GSI systems are constructed and are functioning. These systems consist of:

- Cloverly Heights Park – one (1) rain garden, one (1) permeable pavement, two (2) storage/infiltration trench Stormwater Control Measures (SCMs);
- Penn & Sayford Park – two (2) rain garden SCMs;
- Royal Terrace Park – one (1) permeable pavement and one (1) storage/infiltration trench
- SCM; and
- Summit Terrace Community Space – two (2) rain gardens and two storage/infiltration trench SCMs.
- 3rd St Green Street - 29 rain gardens, 14 stormwater trees, and one (1) tree trench SCM.

CRW completed the implementation of the GSI Operation and Maintenance Program in 2019. The Plan defines programmatic items necessary to track and maintain GSI SCMs. The GSI Operation and Maintenance Manual provides guidance on vegetative care as well as the long-term maintenance of piping and underdrain systems (See Appendix F of the Updated Wastewater

Operation & Maintenance Manual v.4.0). CRW implemented a Landscape Maintenance Program for the completion of monthly surface maintenance on constructed SCMs; implemented a training program to educate CRW employees and contractors on the function and maintenance of both surface and subsurface components of GSI systems; and, develop an asset management system for GSI and integrate constructed SCMs into CRW's existing Cityworks system. See **Appendix N** for CRW's full GSI O&M Program Annual Report 2019.

During the next reporting period, CRW intends to:

- Implement Programmatic and Site-Specific Recommendation included in our full Annual Report, including comprehensive analyses from Cityworks inspection and work order data and recommendations aimed at remedying issues to individual SCMs.
- Continue to monitor Program Goals and Metrics to ensure performance of all SCMs.

4.D Wet Weather Program Management Schedule

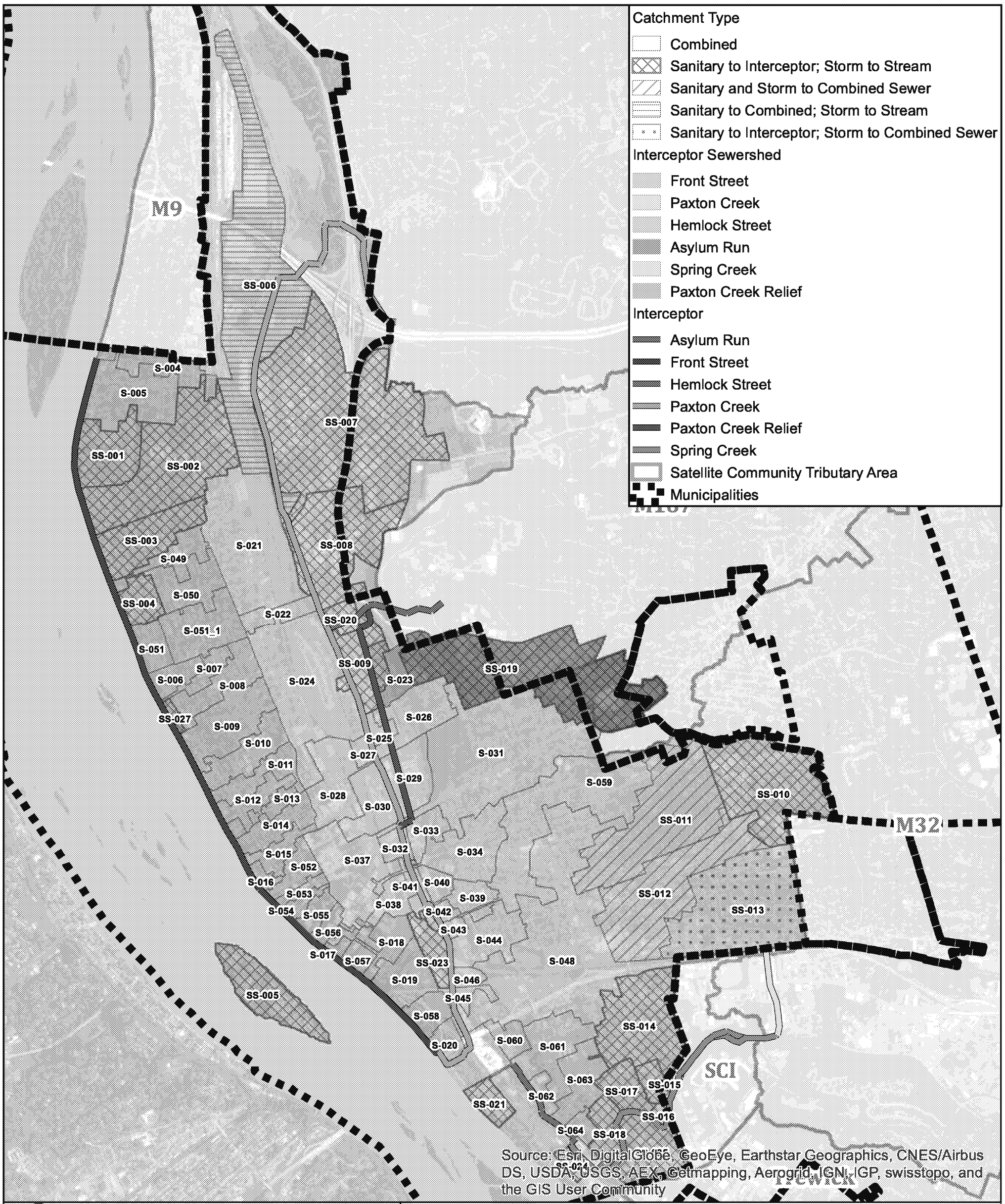
Table 4.1 provides an overall summary of the key partial CD deadlines around which CRW is formulating their overall program for wet weather management. The NMC Plan Summary Table, included in Appendix L, shows the detailed framework and schedule that CRW has developed to work towards NMC compliance. The key tasks for the next reporting period are as follows:

- Continue to meet with EPA/DEP to discuss comments on the City Beautiful H2O Program Plan and provide responses to address comments.
- Commence activities outlined in the Immediate Implementation Phase of the CBH2OPP, pending regulatory agency approval.

Appendix I

Conveyance System Summary Table

Interceptor	Type	Size (inches)	Length (miles)	Material	Number Of CSO Outfalls	CSO Discharge Receiving Water
Front Street (FSI)	Combined	39 x 36; 40; 42	3.95	Concrete, VCP	27	Susquehanna River
Paxton Creek (PCI)	Combined	59 x 48; 60 x 72	5.53	Concrete	25	Paxton Creek
Hemlock Street (HSI)	Combined	24	0.52	Concrete, VCP	5	Paxton Creek
Spring Creek (SCI)	Sanitary	24 - 36	2.03	Concrete, CMP, DIP	0	N/A
Paxton Creek Relief (PCRI)	Sanitary	48	1.15	Concrete	0	N/A
Asylum Run (ARI)	Sanitary	24	0.67	Concrete, VCP	0	N/A



0 1,250 2,500 5,000 Feet

3/8/2017	PM: JAA	GIS: JWE

CAPITAL REGION WATER

Mapping derived from data provided by Dauphin County, Captial Region Water, and the City of Harrisburg.

Map of Conveyance System

Capital Region Water
Dauphin County, Pennsylvania

Appendix J

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

SEWER

Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	23166	1-2-19	sixth st	1
CCTV Sewer Pipe	23167	1-2-19	SIXTH	1
CCTV Sewer Pipe	23183	1-3-19	Rumson Dr	1
CCTV Sewer Pipe	23185	1-3-19	Rumson RW	1
CCTV Sewer Pipe	23186	1-3-19	Rumson RW	1
CCTV Sewer Pipe	23192	1-3-19	MeadowLark RW	1
CCTV Sewer Pipe	23208	1-4-19	MeadowLark pl RW	1
CCTV Sewer Pipe	23227	1-6-19	Seneca and Green	1
CCTV Sewer Pipe	23228	1-6-19	Seneca st	1
CCTV Sewer Pipe	23232	1-6-19	Woodbine st	1
CCTV Sewer Pipe	23233	1-6-19	Woodbine st	1
CCTV Sewer Pipe	23267	1-7-19	625 Geary	1
CCTV Sewer Pipe	23204	1-8-19	MeadowLark RW	1
CCTV Sewer Pipe	23296	1-15-19	Front and South st CSO	1
CCTV Sewer Pipe	23386	1-16-19	18th to derry	1
CCTV Sewer Pipe	23402	1-16-19	Rumson RW	1
CCTV Sewer Pipe	23461	1-18-19	Chestnut and River "Cutter demo"	1
CCTV Sewer Pipe	23482	1-18-19	1525 Catherine st	1
CCTV Sewer Pipe	23487	1-18-19	1509 North 15th st	1
CCTV Sewer Pipe	23514	1-22-19	muench near 3rd st	1
CCTV Sewer Pipe	23573	1-24-19	Point Repair Demo	1
CCTV Sewer Pipe	23620	1-25-19	Rudy Rd	1
CCTV Sewer Pipe	23633	1-25-19	Rudy Rogele Excavation	1
CCTV Sewer Pipe	23234	1-26-19	6th st	1
CCTV Sewer Pipe	23638	1-26-19	6th st	1
CCTV Sewer Pipe	23639	1-26-19	6th st @ school	1
CCTV Sewer Pipe	23634	1-26-19	Graham st to 6th	1
CCTV Sewer Pipe	23641	1-27-19	Cresent to Berryhill	2
CCTV Sewer Pipe	23642	1-27-19	Market and 3rd	1
CCTV Sewer Pipe	23664	1-28-19	Green to Vaughn	1
CCTV Sewer Pipe	23866	2-4-19	Front st	1
CCTV Sewer Pipe	23868	2-4-19	Race st	1
CCTV Sewer Pipe	23869	2-4-19	Tuscarora st	1
CCTV Sewer Pipe	23871	2-4-19	Showers st	1
CCTV Sewer Pipe	23873	2-4-19	Tuscarora st	1
CCTV Sewer Pipe	23913	2-5-19	4th to Vaughn	1
CCTV Sewer Pipe	23916	2-5-19	3rd to Vaughn	1
CCTV Sewer Pipe	23924	2-5-19	3rd to Lewis	1
CCTV Sewer Pipe	23926	2-5-19	4th to Lewis	1
CCTV Sewer Pipe	23954	2-6-19	Penn st	1
CCTV Sewer Pipe	23955	2-6-19	Penn st	1

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CAPITAL REGION WATER
Collection System Activity Report
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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	23980	2-7-19	Penn st	1
CCTV Sewer Pipe	23983	2-7-19	Penn to Lewis rd	1
CCTV Sewer Pipe	23985	2-7-19	Green to Lewis	1
CCTV Sewer Pipe	23989	2-7-19	Susq and Lewis	1
CCTV Sewer Pipe	23993	2-7-19	Susq st	1
CCTV Sewer Pipe	24017	2-8-19	Edward and Susq	1
CCTV Sewer Pipe	24024	2-8-19	19th and Briggs	1
CCTV Sewer Pipe	24025	2-8-19	19th and Briggs	1
CCTV Sewer Pipe	24032	2-9-19	Market st	1
CCTV Sewer Pipe	24033	2-9-19	Market st	1
CCTV Sewer Pipe	24034	2-9-19	Market st	1
CCTV Sewer Pipe	24036	2-9-19	Chestnut st	1
CCTV Sewer Pipe	24037	2-9-19	Chestnut st	1
CCTV Sewer Pipe	24040	2-10-19	17th and Herr	1
CCTV Sewer Pipe	24041	2-10-19	Chestnut st	1
CCTV Sewer Pipe	24042	2-10-19	Chestnut st	1
CCTV Sewer Pipe	24104	2-13-19	Scott st	1
CCTV Sewer Pipe	24106	2-13-19	2043 Chestnut st	1
CCTV Sewer Pipe	24127	2-14-19	17th and Elm	1
CCTV Sewer Pipe	24139	2-14-19	4th st (John Gliem Excavating)	1
CCTV Sewer Pipe	24145	2-14-19	Atlas alley (John Gleim)	1
CCTV Sewer Pipe	24163	2-15-19	Carey st	1
CCTV Sewer Pipe	24165	2-15-19	Carey to Market st	1
CCTV Sewer Pipe	24168	2-15-19	Market st from Hale	1
CCTV Sewer Pipe	24158	2-15-19	2318 BerryHill rd	1
CCTV Sewer Pipe	24171	2-15-19	Market st	1
CCTV Sewer Pipe	24172	2-15-19	Market st	1
CCTV Sewer Pipe	24182	2-17-19	Cameron st to 13th st	1
CCTV Sewer Pipe	24183	2-17-19	John Harris parking lot	1
CCTV Sewer Pipe	24184	2-17-19	John Harris parking lot	1
CCTV Sewer Pipe	24185	2-17-19	John Harris line	1
CCTV Sewer Pipe	24186	2-17-19	John Harris line	1
CCTV Sewer Pipe	24187	2-17-19	John Harris line	1
CCTV Sewer Pipe	24190	2-17-19	Market st to 25th st	1
CCTV Sewer Pipe	24334	2-23-19	Mer Alley	1
CCTV Sewer Pipe	24336	2-23-19	Division st	1
CCTV Sewer Pipe	24332	2-23-19	Division st	1
CCTV Sewer Pipe	24380	2-26-19	Muench st	2
CCTV Sewer Pipe	24397	2-27-19	Thomas st	1
CCTV Sewer Pipe	24398	2-27-19	Thomas to Market st	1
CCTV Sewer Pipe	24405	2-27-19	Rudy (post replacement)	1
CCTV Sewer Pipe	24372	3-4-19	2515 North 2nd st	1
CCTV Sewer Pipe	24541	3-5-19	Vernon st	1

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CAPITAL REGION WATER
Collection System Activity Report
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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	24559	3-6-19	2515 N 2nd st	1
CCTV Sewer Pipe	24862	3-14-19	20th & Spencer st	1
CCTV Sewer Pipe	24876	3-14-19	Front & Riely	2
CCTV Sewer Pipe	24878	3-14-19	susquehanna & seneca	1
CCTV Sewer Pipe	24882	3-14-19	susquehanna & Seneca	1
CCTV Sewer Pipe	24904	3-15-19	susquenahan and shamokin	1
CCTV Sewer Pipe	24913	3-15-19	river alley	1
CCTV Sewer Pipe	24933	3-15-19	river alley	1
CCTV Sewer Pipe	24188	3-17-19	John Harris line	1
CCTV Sewer Pipe	24958	3-17-19	Market & Evergreen (West)	1
CCTV Sewer Pipe	24959	3-17-19	Market st	1
CCTV Sewer Pipe	24960	3-17-19	Market st	1
CCTV Sewer Pipe	24961	3-17-19	Market st	1
CCTV Sewer Pipe	24962	3-17-19	Market to Cameron st	1
CCTV Sewer Pipe	24965	3-17-19	Market st	1
CCTV Sewer Pipe	24966	3-17-19	Market st to Cameron	1
CCTV Sewer Pipe	24991	3-18-19	Cameron st near Sycamore	1
CCTV Sewer Pipe	25110	3-21-19	1600 block Derry st	1
CCTV Sewer Pipe	25111	3-22-19	Cream Alley	1
CCTV Sewer Pipe	25143	3-23-19	Lexington st to Division	1
CCTV Sewer Pipe	25146	3-23-19	Reel st	1
CCTV Sewer Pipe	25147	3-23-19	Reel st	1
CCTV Sewer Pipe	25149	3-23-19	Reel to Division st	1
CCTV Sewer Pipe	25155	3-24-19	Market to 2nd	1
CCTV Sewer Pipe	25167	3-25-19	GREEN AND RADNOR	1
CCTV Sewer Pipe	25170	3-25-19	GREEN	1
CCTV Sewer Pipe	25171	3-25-19	GREEN	1
CCTV Sewer Pipe	25173	3-25-19	GREEN	1
CCTV Sewer Pipe	25174	3-25-19	RADNOR AND 3RD	1
CCTV Sewer Pipe	25179	3-25-19	RADNOR	1
CCTV Sewer Pipe	25203	3-26-19	20th and North	1
CCTV Sewer Pipe	24963	3-27-19	Market st	1
CCTV Sewer Pipe	25234	3-27-19	16th and derry st	1
CCTV Sewer Pipe	25240	3-27-19	1220 Bailey st	1
CCTV Sewer Pipe	25252	3-28-19	16th st	1
CCTV Sewer Pipe	25267	3-28-19	Liberty and Church St.	1
CCTV Sewer Pipe	25339	4-1-19	Wallace st	1
CCTV Sewer Pipe	25344	4-1-19	Wallace st	1
CCTV Sewer Pipe	25180	4-2-19	GREEN	1
CCTV Sewer Pipe	25182	4-2-19	GREEN	1
CCTV Sewer Pipe	25196	4-2-19	5th st	1
CCTV Sewer Pipe	25197	4-2-19	5th st	1
CCTV Sewer Pipe	25224	4-2-19	green & Division st	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	25249	4-2-19	16th	1
CCTV Sewer Pipe	25337	4-2-19	Wallace & Dauphin st	1
CCTV Sewer Pipe	25343	4-2-19	Wallace st	1
CCTV Sewer Pipe	25364	4-2-19	Wallace & muench st	1
CCTV Sewer Pipe	25366	4-2-19	Muench st	1
CCTV Sewer Pipe	25369	4-2-19	Muench & Wallace st	1
CCTV Sewer Pipe	25371	4-2-19	peffer & Wallace st	1
CCTV Sewer Pipe	25373	4-2-19	Peffer st	1
CCTV Sewer Pipe	25374	4-3-19	muench & wallace st	1
CCTV Sewer Pipe	25452	4-4-19	Muench st	2
CCTV Sewer Pipe	25453	4-4-19	Green & Muench st	1
CCTV Sewer Pipe	25473	4-5-19	Front and Paxton CSO	1
CCTV Sewer Pipe	25479	4-5-19	Paxton and Front CSO	1
CCTV Sewer Pipe	25481	4-5-19	Front and Paxton CSO	1
CCTV Sewer Pipe	25483	4-5-19	Front and Paxton CSO	1
CCTV Sewer Pipe	25256	4-8-19	Randolph st	1
CCTV Sewer Pipe	25259	4-8-19	Randolph st	1
CCTV Sewer Pipe	25621	4-12-19	Muench st	1
CCTV Sewer Pipe	25642	4-15-19	Muench to 5th st	1
CCTV Sewer Pipe	25650	4-15-19	Muench st	1
CCTV Sewer Pipe	25669	4-16-19	Muench st	1
CCTV Sewer Pipe	25672	4-16-19	Muench to 4th st	1
CCTV Sewer Pipe	25675	4-16-19	Liberty st	1
CCTV Sewer Pipe	25684	4-16-19	State st	1
CCTV Sewer Pipe	25840	4-24-19	South st HRG	1
CCTV Sewer Pipe	25940	5-1-19	Logan st to Emerald st	1
CCTV Sewer Pipe	25951	5-1-19	Loganst to Seneca	1
CCTV Sewer Pipe	25960	5-1-19	Logan st	1
CCTV Sewer Pipe	25968	5-1-19	Muench (Rogele)	1
CCTV Sewer Pipe	25971	5-1-19	Muench to 6th	1
CCTV Sewer Pipe	26006	5-1-19	4th and Hamilton	2
CCTV Sewer Pipe	26027	5-2-19	Harris and Fulton	1
CCTV Sewer Pipe	26028	5-2-19	Harris st	1
CCTV Sewer Pipe	26031	5-2-19	3rd and Calder	1
CCTV Sewer Pipe	26119	5-4-19	CSO 29 to Outfall	1
CCTV Sewer Pipe	26120	5-4-19	CSO-029 to Outfall	1
CCTV Sewer Pipe	26121	5-4-19	Front and South CSO	1
CCTV Sewer Pipe	26161	5-6-19	Cameron and Market CSO	1
CCTV Sewer Pipe	26162	5-6-19	Cameron and Market to Outfall	1
CCTV Sewer Pipe	26193	5-6-19	10th and Market	2
CCTV Sewer Pipe	26220	5-7-19	Front and South CSO	1
CCTV Sewer Pipe	24337	5-8-19	Lexington st	1
CCTV Sewer Pipe	26252	5-8-19	16th & regina	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	26248	5-8-19	Cresent st	1
CCTV Sewer Pipe	24043	5-9-19	Chestnut and Dewberry	1
CCTV Sewer Pipe	25748	5-9-19	19th & swatara	1
CCTV Sewer Pipe	26305	5-9-19	1509 Catherine st	1
CCTV Sewer Pipe	26276	5-14-19	123 Conoy st	1
CCTV Sewer Pipe	26458	5-14-19	CSO-041	1
CCTV Sewer Pipe	26460	5-14-19	CSO-041	1
CCTV Sewer Pipe	26463	5-14-19	CSO-041	1
CCTV Sewer Pipe	26469	5-14-19	Front & Nagel	1
CCTV Sewer Pipe	26471	5-14-19	123 Conoy st	1
CCTV Sewer Pipe	26492	5-15-19	State st near 18th	1
CCTV Sewer Pipe	26494	5-15-19	State st	1
CCTV Sewer Pipe	26495	5-15-19	State St	1
CCTV Sewer Pipe	26498	5-15-19	State st	1
CCTV Sewer Pipe	26500	5-15-19	State st	1
CCTV Sewer Pipe	26521	5-16-19	14th and Vernon	1
CCTV Sewer Pipe	26522	5-16-19	14th and Bailey	1
CCTV Sewer Pipe	26516	5-16-19	15th & Swatara	1
CCTV Sewer Pipe	26543	5-17-19	7th st	1
CCTV Sewer Pipe	26575	5-18-19	Forster and Green	1
CCTV Sewer Pipe	26579	5-18-19	Forster and Front st	1
CCTV Sewer Pipe	26583	5-19-19	CSO-027	1
CCTV Sewer Pipe	26584	5-19-19	CSO-027	1
CCTV Sewer Pipe	26585	5-19-19	CSO-027	1
CCTV Sewer Pipe	26586	5-19-19	Geary st	2
CCTV Sewer Pipe	26589	5-19-19	Market and 4th	1
CCTV Sewer Pipe	26590	5-19-19	4th and blackberry	1
CCTV Sewer Pipe	26627	5-21-19	1423 Fulton	1
CCTV Sewer Pipe	26629	5-21-19	17th (Hamilton health MH)	1
CCTV Sewer Pipe	26632	5-21-19	17th st	1
CCTV Sewer Pipe	26659	5-22-19	River and Barbara st	1
CCTV Sewer Pipe	26693	5-23-19	Rumson dr	1
CCTV Sewer Pipe	26704	5-24-19	4th & muench	1
CCTV Sewer Pipe	26709	5-24-19	penn & muench st	1
CCTV Sewer Pipe	26738	5-28-19	Green & Verbeke	1
CCTV Sewer Pipe	26742	5-28-19	Fulton to Calder	1
CCTV Sewer Pipe	25484	5-29-19	Front and Paxton CSO	1
CCTV Sewer Pipe	26758	5-29-19	Marion to Calder	1
CCTV Sewer Pipe	26805	5-30-19	Evergreen to Mulberry	2
CCTV Sewer Pipe	26831	5-31-19	Front & Geiger	1
CCTV Sewer Pipe	26832	5-31-19	Front & Reily	1
CCTV Sewer Pipe	26833	5-31-19	2nd & muench	1
CCTV Sewer Pipe	26835	5-31-19	CSO-043 overflow	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	26837	5-31-19	371 Rudy rear	1
CCTV Sewer Pipe	26862	6-1-19	3rd and State	1
CCTV Sewer Pipe	26864	6-1-19	2nd st to Pine st	1
CCTV Sewer Pipe	26872	6-2-19	3rd and Blackberry st	1
CCTV Sewer Pipe	26873	6-2-19	Boas near Grand st	1
CCTV Sewer Pipe	26874	6-2-19	Herr st and James st	1
CCTV Sewer Pipe	26876	6-2-19	10th near Mulberry st	1
CCTV Sewer Pipe	26918	6-4-19	Walnut st	1
CCTV Sewer Pipe	26920	6-4-19	18th st	1
CCTV Sewer Pipe	26924	6-4-19	15th and Vernon	1
CCTV Sewer Pipe	26926	6-4-19	15th to Thompson	1
CCTV Sewer Pipe	26927	6-4-19	15th and Drummond	1
CCTV Sewer Pipe	26928	6-4-19	15th st to Shoop	1
CCTV Sewer Pipe	26875	6-5-19	Verbeke and James st	1
CCTV Sewer Pipe	26969	6-6-19	Green & Boas st	1
CCTV Sewer Pipe	26975	6-6-19	Cumberland & florence st	1
CCTV Sewer Pipe	26982	6-6-19	Green & Boas	1
CCTV Sewer Pipe	27031	6-9-19	River and Strawberry alley	1
CCTV Sewer Pipe	27032	6-9-19	Strawberry and River	1
CCTV Sewer Pipe	27035	6-9-19	Williams to Calder st	1
CCTV Sewer Pipe	27036	6-9-19	Williams to Verbeke	2
CCTV Sewer Pipe	27049	6-10-19	Train Station to 4th st	1
CCTV Sewer Pipe	27051	6-10-19	Amtrak under tracks	1
CCTV Sewer Pipe	27058	6-10-19	3rd st	1
CCTV Sewer Pipe	27060	6-10-19	Market st to 15th	1
CCTV Sewer Pipe	27063	6-10-19	Market st	1
CCTV Sewer Pipe	27147	6-12-19	616 SHOWERS ST	1
CCTV Sewer Pipe	27283	6-17-19	2464 BROOKWOOD ST	1
CCTV Sewer Pipe	27286	6-17-19	Susquehanna & Reily	1
CCTV Sewer Pipe	27287	6-17-19	Susquehanna & Reily	1
CCTV Sewer Pipe	27288	6-17-19	Susquehanna & Reily	1
CCTV Sewer Pipe	27289	6-17-19	susquehanna & reily	1
CCTV Sewer Pipe	27290	6-17-19	Clinton & Susquehanna	1
CCTV Sewer Pipe	27304	6-17-19	2nd st	1
CCTV Sewer Pipe	26865	6-23-19	2nd and Barbara st	1
CCTV Sewer Pipe	27444	6-23-19	4th and Buck St	1
CCTV Sewer Pipe	27445	6-23-19	Forster to James st	1
CCTV Sewer Pipe	25726	6-24-19	Berkley Pl	1
CCTV Sewer Pipe	26764	6-24-19	Calder and Fulton	1
CCTV Sewer Pipe	27424	6-24-19	susquehanna & woodbine	1
CCTV Sewer Pipe	27537	6-27-19	Mayflower alley	1
CCTV Sewer Pipe	27538	6-27-19	Mayflower	1
CCTV Sewer Pipe	27578	6-30-19	front and seneca	1

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CAPITAL REGION WATER
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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	27579	6-30-19	front and seneca	1
CCTV Sewer Pipe	27580	6-30-19	Front and Seneca to river	1
CCTV Sewer Pipe	27581	6-30-19	Front and Muench	1
CCTV Sewer Pipe	27629	7-2-19	2nd and Strawberry	2
CCTV Sewer Pipe	26712	7-3-19	Muench CSO overflow line	1
CCTV Sewer Pipe	27293	7-3-19	Hamilton st	1
CCTV Sewer Pipe	27678	7-8-19	17th and Elm	2
CCTV Sewer Pipe	27733	7-19-19	21st and Boas	1
CCTV Sewer Pipe	27744	7-19-19	21st and Forster st	1
CCTV Sewer Pipe	27745	7-19-19	21st and Forster st	1
CCTV Sewer Pipe	27748	7-19-19	Forster st to Poplar	1
CCTV Sewer Pipe	27749	7-19-19	Poplar st	1
CCTV Sewer Pipe	27750	7-19-19	Poplar and Primrose	1
CCTV Sewer Pipe	27751	7-19-19	Poplar st	1
CCTV Sewer Pipe	27801	7-19-19	Briggs st	1
CCTV Sewer Pipe	27802	7-19-19	Poplar st	1
CCTV Sewer Pipe	28046	7-23-19	1255 Kittatinny st	1
CCTV Sewer Pipe	27837	7-30-19	Poplar st	1
CCTV Sewer Pipe	27844	7-30-19	Poplar st	1
CCTV Sewer Pipe	27846	7-30-19	Poplar st	1
CCTV Sewer Pipe	27847	7-30-19	Poplar st	1
CCTV Sewer Pipe	27832	7-30-19	Brown st	1
CCTV Sewer Pipe	27875	7-30-19	Poplar st	1
CCTV Sewer Pipe	27876	7-30-19	Poplar and Kunkle	1
CCTV Sewer Pipe	27878	7-30-19	Boas st (Under HBG Dairies)	1
CCTV Sewer Pipe	27835	7-30-19	Poplar st	1
CCTV Sewer Pipe	27833	7-31-19	Brown to Poplar	1
CCTV Sewer Pipe	28069	7-31-19	Williams & Verbeke	2
CCTV Sewer Pipe	28079	7-31-19	verbeke & Capital	1
CCTV Sewer Pipe	28080	7-31-19	verbeke	1
CCTV Sewer Pipe	28091	7-31-19	Verbeke st	1
CCTV Sewer Pipe	28096	7-31-19	Verbeke st	1
CCTV Sewer Pipe	28073	7-31-19	Verbeke & Fulton	1
CCTV Sewer Pipe	28146	7-31-19	20th & primrose st	1
CCTV Sewer Pipe	28170	7-31-19	Verbeke (North side of market)	1
CCTV Sewer Pipe	28316	8-1-19	Boas st	1
CCTV Sewer Pipe	28324	8-1-19	Linn and Primrose	1
CCTV Sewer Pipe	28138	8-2-19	York st	1
CCTV Sewer Pipe	28332	8-2-19	719 N 2nd st	2
CCTV Sewer Pipe	28351	8-2-19	Long & Primrose	3
CCTV Sewer Pipe	28361	8-2-19	19th & Primrose st	1
CCTV Sewer Pipe	28382	8-4-19	29th st	1
CCTV Sewer Pipe	28383	8-4-19	29th st	1

Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	28384	8-4-19	29th st	1
CCTV Sewer Pipe	28390	8-4-19	Brookwood and Immel st	1
CCTV Sewer Pipe	28391	8-4-19	Duke st	1
CCTV Sewer Pipe	28392	8-4-19	Duke st	1
CCTV Sewer Pipe	28394	8-4-19	26th and Duke	1
CCTV Sewer Pipe	28395	8-4-19	Duke st	1
CCTV Sewer Pipe	28408	8-5-19	Balm and Walnut	1
CCTV Sewer Pipe	28418	8-5-19	Hanna to CSO	1
CCTV Sewer Pipe	28192	8-9-19	Verbeke (North side of Market)	1
CCTV Sewer Pipe	28502	8-9-19	Market st	1
CCTV Sewer Pipe	28503	8-9-19	market st	1
CCTV Sewer Pipe	28744	8-9-19	14th and Kittatinny st	1
CCTV Sewer Pipe	28760	8-9-19	Kittatinny st	1
CCTV Sewer Pipe	28789	8-9-19	Kittatinny to 13th	1
CCTV Sewer Pipe	28560	8-9-19	Market st	1
CCTV Sewer Pipe	28944	8-10-19	25th and berryhill	1
CCTV Sewer Pipe	28945	8-10-19	Adrian st	1
CCTV Sewer Pipe	28946	8-10-19	Adrian to Berryhill	1
CCTV Sewer Pipe	28947	8-10-19	25th st	1
CCTV Sewer Pipe	28948	8-10-19	25th st	1
CCTV Sewer Pipe	28950	8-10-19	25th	1
CCTV Sewer Pipe	28951	8-10-19	25th st	1
CCTV Sewer Pipe	28952	8-10-19	Barkley ln	1
CCTV Sewer Pipe	28953	8-10-19	Barkley ln	1
CCTV Sewer Pipe	28954	8-10-19	Barkley Ln	1
CCTV Sewer Pipe	28955	8-10-19	Mercer st	1
CCTV Sewer Pipe	28956	8-10-19	Mercer st	1
CCTV Sewer Pipe	28958	8-10-19	26th to Greenwood	1
CCTV Sewer Pipe	28959	8-10-19	27th	1
CCTV Sewer Pipe	28960	8-10-19	Greenwood st	1
CCTV Sewer Pipe	28961	8-10-19	Greenwood to 26th	1
CCTV Sewer Pipe	28965	8-11-19	Market and 16th st	1
CCTV Sewer Pipe	28966	8-11-19	King St	1
CCTV Sewer Pipe	28969	8-11-19	Walnut and Aberdeen	1
CCTV Sewer Pipe	28970	8-11-19	Walnut and aberdeen	1
CCTV Sewer Pipe	28981	8-12-19	Mulberry st	1
CCTV Sewer Pipe	28989	8-12-19	7th St	1
CCTV Sewer Pipe	29009	8-13-19	7th st	1
CCTV Sewer Pipe	29030	8-14-19	7th st	1
CCTV Sewer Pipe	29043	8-14-19	13th & Bailey st	1
CCTV Sewer Pipe	29044	8-14-19	13th & Bailey st	1
CCTV Sewer Pipe	29280	8-15-19	4th & Reily	1
CCTV Sewer Pipe	29333	8-18-19	4th st near Sayford	3

CAPITAL REGION WATER
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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	29138	8-19-19	Division St	1
CCTV Sewer Pipe	29345	8-19-19	2nd st	1
CCTV Sewer Pipe	29121	8-20-19	Division	1
CCTV Sewer Pipe	29070	8-21-19		1
CCTV Sewer Pipe	29149	8-21-19	Division St	1
CCTV Sewer Pipe	29249	8-21-19	Division	1
CCTV Sewer Pipe	29250	8-21-19	Division St.	1
CCTV Sewer Pipe	29405	8-21-19	North to 18th st	2
CCTV Sewer Pipe	29411	8-21-19	Briggs st	1
CCTV Sewer Pipe	29423	8-21-19	Briggs st	1
CCTV Sewer Pipe	29798	8-21-19	Agate St.	1
CCTV Sewer Pipe	29914	8-21-19		1
CCTV Sewer Pipe	28101	8-22-19	Verbeke st	1
CCTV Sewer Pipe	28119	8-22-19	Logan & Clinton	1
CCTV Sewer Pipe	29095	8-22-19	Wiconisco	1
CCTV Sewer Pipe	29127	8-22-19	6th St.	1
CCTV Sewer Pipe	29241	8-22-19	Wiconisco	1
CCTV Sewer Pipe	29253	8-22-19	Division St.	1
CCTV Sewer Pipe	29254	8-22-19	Jefferson St.	1
CCTV Sewer Pipe	28357	8-22-19	Primrose	1
CCTV Sewer Pipe	29131	8-23-19	Lexington St.	1
CCTV Sewer Pipe	29799	8-23-19	Clark St.	1
CCTV Sewer Pipe	29552	8-25-19	15th and North	1
CCTV Sewer Pipe	29553	8-25-19	23rd st	1
CCTV Sewer Pipe	29555	8-25-19	23rd	1
CCTV Sewer Pipe	29558	8-25-19	23rd to Derry st	1
CCTV Sewer Pipe	29559	8-25-19	Benton st	1
CCTV Sewer Pipe	29561	8-25-19	Benton st	1
CCTV Sewer Pipe	29135	8-26-19	Clark St.	1
CCTV Sewer Pipe	29139	8-26-19	Lexington St.	1
CCTV Sewer Pipe	29140	8-26-19	Lexington	1
CCTV Sewer Pipe	29141	8-26-19	Wiconisco St.	1
CCTV Sewer Pipe	29164	8-26-19	Wiconisco & Reel	1
CCTV Sewer Pipe	29168	8-26-19	Wiconisco	1
CCTV Sewer Pipe	29098	8-27-19	Radnor	1
CCTV Sewer Pipe	29162	8-27-19	Reel St.	1
CCTV Sewer Pipe	29177	8-27-19	4th	1
CCTV Sewer Pipe	29243	8-27-19	Reel St.	1
CCTV Sewer Pipe	29166	8-28-19	5th	1
CCTV Sewer Pipe	29170	8-28-19	Wiconisco	1
CCTV Sewer Pipe	29173	8-28-19	4th	1
CCTV Sewer Pipe	29233	8-28-19	4th	1
CCTV Sewer Pipe	29234	8-28-19	5th St.	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	29235	8-28-19	4th	1
CCTV Sewer Pipe	29245	8-28-19	5th	1
CCTV Sewer Pipe	29628	8-28-19	Forester st	1
CCTV Sewer Pipe	29057	8-29-19	Wiconisco	1
CCTV Sewer Pipe	29137	8-29-19	Jefferson	1
CCTV Sewer Pipe	29169	8-29-19	Wiconisco	1
CCTV Sewer Pipe	29174	8-29-19	Wiconisco	1
CCTV Sewer Pipe	29255	8-29-19	Jefferson	1
CCTV Sewer Pipe	29133	8-30-19	Radnor & Jefferson	1
CCTV Sewer Pipe	29231	9-3-19	Geary	1
CCTV Sewer Pipe	29257	9-3-19	Jefferson	1
CCTV Sewer Pipe	29259	9-3-19	Jefferson	1
CCTV Sewer Pipe	29265	9-3-19	Jefferson	1
CCTV Sewer Pipe	29184	9-4-19	Jefferson	1
CCTV Sewer Pipe	29240	9-4-19	Radnor	1
CCTV Sewer Pipe	29261	9-4-19	Radnor	1
CCTV Sewer Pipe	29263	9-4-19	Radnor	1
CCTV Sewer Pipe	29267	9-4-19	Jefferson	1
CCTV Sewer Pipe	29078	9-5-19	Jefferson	1
CCTV Sewer Pipe	29100	9-5-19	Jefferson	1
CCTV Sewer Pipe	29186	9-5-19	Agate	1
CCTV Sewer Pipe	29189	9-5-19	Schuylkill	1
CCTV Sewer Pipe	29185	9-6-19	Schuylkill	1
CCTV Sewer Pipe	29214	9-6-19	Jefferson	1
CCTV Sewer Pipe	29236	9-6-19	Oxford	1
CCTV Sewer Pipe	29237	9-6-19	Oxford	1
CCTV Sewer Pipe	29202	9-9-19	Jefferson	1
CCTV Sewer Pipe	29206	9-9-19	Jefferson	1
CCTV Sewer Pipe	29211	9-9-19	Jefferson	1
CCTV Sewer Pipe	29239	9-9-19	Ross	1
CCTV Sewer Pipe	29217	9-10-19	Jefferson	1
CCTV Sewer Pipe	29242	9-10-19	Elizabeth Aly	1
CCTV Sewer Pipe	29244	9-10-19	Curtin St.	1
CCTV Sewer Pipe	29108	9-11-19	Elizabeth Aly	1
CCTV Sewer Pipe	29246	9-11-19	Emerald	1
CCTV Sewer Pipe	29062	9-23-19	Camp St.	1
CCTV Sewer Pipe	29067	9-25-19	Woodbine	1
CCTV Sewer Pipe	29111	9-25-19	Jefferson St.	1
CCTV Sewer Pipe	29200	9-25-19	Forrest St.	1
CCTV Sewer Pipe	29220	9-25-19	Jefferson	1
CCTV Sewer Pipe	29018	9-25-19	14th and kittatinny (Drummond)	1
CCTV Sewer Pipe	29816	9-25-19	Greenwood st	1
CCTV Sewer Pipe	29088	9-26-19	Moltke St.	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	29117	9-26-19	Oak St.	1
CCTV Sewer Pipe	29132	9-26-19	Oak St.	1
CCTV Sewer Pipe	29175	9-26-19	Jefferson St.	1
CCTV Sewer Pipe	29176	9-26-19	Jefferson St.	1
CCTV Sewer Pipe	29179	9-26-19	Jefferson	1
CCTV Sewer Pipe	29817	9-26-19	Greenwood to 25th	1
CCTV Sewer Pipe	29823	9-26-19	24th st	1
CCTV Sewer Pipe	29824	9-26-19	24th st	1
CCTV Sewer Pipe	29825	9-26-19	24th st	1
CCTV Sewer Pipe	29826	9-26-19	24th	1
CCTV Sewer Pipe	29827	9-26-19	24th st	1
CCTV Sewer Pipe	29976	9-26-19	15th and Derry st	1
CCTV Sewer Pipe	29983	9-26-19	Derry st	1
CCTV Sewer Pipe	30048	9-26-19	Derry and 16th	1
CCTV Sewer Pipe	30162	9-26-19	James st	1
CCTV Sewer Pipe	30155	9-26-19	James st	1
CCTV Sewer Pipe	29072	9-27-19	Ivy St.	1
CCTV Sewer Pipe	29094	9-27-19	Moltke St.	1
CCTV Sewer Pipe	29099	9-27-19	Moltke St.	1
CCTV Sewer Pipe	29769	9-27-19	front & Shamokin	1
CCTV Sewer Pipe	29884	9-27-19	Lewis st	1
CCTV Sewer Pipe	29905	9-27-19	State st	1
CCTV Sewer Pipe	29908	9-27-19	State St	1
CCTV Sewer Pipe	29941	9-27-19	State St	1
CCTV Sewer Pipe	29944	9-27-19	State St	1
CCTV Sewer Pipe	29946	9-27-19	State St	1
CCTV Sewer Pipe	29958	9-27-19	Market St (Alexander)	1
CCTV Sewer Pipe	29982	9-27-19	15th st	1
CCTV Sewer Pipe	30009	9-27-19	Derry & Kittatinny to 14th	1
CCTV Sewer Pipe	30127	9-27-19	2nd st near North	1
CCTV Sewer Pipe	29828	9-30-19	Market st sinkhole	2
CCTV Sewer Pipe	30277	9-30-19	Market st	1
CCTV Sewer Pipe	30278	9-30-19	Market st	1
CCTV Sewer Pipe	30279	9-30-19	26th & Greenwood st	1
CCTV Sewer Pipe	29192	10-1-19	5th St.	1
CCTV Sewer Pipe	29196	10-1-19	Polyclinic Ave.	1
CCTV Sewer Pipe	29150	10-2-19	Fifth St.	1
CCTV Sewer Pipe	29155	10-2-19	Fifth St	1
CCTV Sewer Pipe	29158	10-2-19	Reels Lane	1
CCTV Sewer Pipe	29134	10-3-19	Fourth St.	1
CCTV Sewer Pipe	29153	10-3-19	Logan St.	1
CCTV Sewer Pipe	29209	10-3-19	Fourth St.	1
CCTV Sewer Pipe	29222	10-3-19	Emerald St.	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	29148	10-4-19	Logan St.	1
CCTV Sewer Pipe	29212	10-4-19	Logan St.	1
CCTV Sewer Pipe	29216	10-4-19	Logan St.	1
CCTV Sewer Pipe	29225	10-4-19	Herman Aly	1
CCTV Sewer Pipe	29058	10-7-19	Turner St.	1
CCTV Sewer Pipe	29092	10-7-19	Turner Aly.	1
CCTV Sewer Pipe	29181	10-7-19	Seneca St.	1
CCTV Sewer Pipe	29191	10-7-19	Seneca St.	1
CCTV Sewer Pipe	29107	10-8-19	Turner St.	1
CCTV Sewer Pipe	30340	10-8-19	2nd st	1
CCTV Sewer Pipe	30446	10-8-19	2ND & MACLAY ST	1
CCTV Sewer Pipe	30448	10-8-19	2ND & MACLAY ST	1
CCTV Sewer Pipe	29080	10-9-19	Clover Aly	1
CCTV Sewer Pipe	29105	10-9-19	Brensinger Aly	1
CCTV Sewer Pipe	29195	10-9-19	Curtin St.	1
CCTV Sewer Pipe	30871	10-9-19	Clover Aly	1
CCTV Sewer Pipe	29071	10-10-19	Emerald ST.	1
CCTV Sewer Pipe	29090	10-10-19	Emerald St.	1
CCTV Sewer Pipe	29103	10-10-19	Brensinger Aly	1
CCTV Sewer Pipe	29151	10-10-19	5th St.	1
CCTV Sewer Pipe	29198	10-10-19	5th	1
CCTV Sewer Pipe	29201	10-10-19	Fifth St.	1
CCTV Sewer Pipe	30664	10-10-19	Rolleston st	1
CCTV Sewer Pipe	30688	10-10-19	3rd and Blackberry	1
CCTV Sewer Pipe	29083	10-11-19	Atlas St.	1
CCTV Sewer Pipe	29160	10-11-19	Polyclinic Ave.	1
CCTV Sewer Pipe	29187	10-11-19	Schuylkill St.	1
CCTV Sewer Pipe	29188	10-11-19	Schuylkill	1
CCTV Sewer Pipe	29193	10-11-19	Polyclinic Ave.	1
CCTV Sewer Pipe	29229	10-11-19	Turner & Reels Ln.	1
CCTV Sewer Pipe	29230	10-11-19	Turner St.	1
CCTV Sewer Pipe	29129	10-14-19	River Aly	1
CCTV Sewer Pipe	29152	10-14-19	2nd St.	1
CCTV Sewer Pipe	29154	10-14-19	River Aly	1
CCTV Sewer Pipe	29156	10-14-19	2nd St.	1
CCTV Sewer Pipe	29115	10-15-19	Camp St.	1
CCTV Sewer Pipe	29157	10-15-19	Penn St.	1
CCTV Sewer Pipe	29247	10-15-19	Lexington	1
CCTV Sewer Pipe	29248	10-15-19	Reels Ln.	1
CCTV Sewer Pipe	29097	10-16-19	Green St.	1
CCTV Sewer Pipe	29144	10-16-19	Green St.	1
CCTV Sewer Pipe	29258	10-16-19	Green St.	1
CCTV Sewer Pipe	29260	10-16-19		1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	30746	10-16-19	3rd and Blackberry	1
CCTV Sewer Pipe	31129	10-16-19	Cloverly Aly	1
CCTV Sewer Pipe	29112	10-17-19	Green St.	1
CCTV Sewer Pipe	29167	10-17-19	Green St.	1
CCTV Sewer Pipe	29221	10-17-19	Green St.	1
CCTV Sewer Pipe	29266	10-18-19	2nd St.	1
CCTV Sewer Pipe	29268	10-18-19	2nd St.	1
CCTV Sewer Pipe	29262	10-21-19	Seneca	1
CCTV Sewer Pipe	30891	10-21-19	Sycamore st	1
CCTV Sewer Pipe	29059	10-22-19	Wharton Aly	1
CCTV Sewer Pipe	29060	10-22-19	Wharton Aly	1
CCTV Sewer Pipe	31442	10-22-19	Wharton Aly	1
CCTV Sewer Pipe	29122	10-23-19	Third St.	1
CCTV Sewer Pipe	29238	10-23-19	Polyclinic Ave	1
CCTV Sewer Pipe	29251	10-23-19	Third St.	1
CCTV Sewer Pipe	29252	10-23-19	Polyclinic Ave.	1
CCTV Sewer Pipe	29256	10-23-19	Third St.	1
CCTV Sewer Pipe	29219	10-24-19	4th St	1
CCTV Sewer Pipe	29086	10-25-19	7th St.	1
CCTV Sewer Pipe	29142	10-25-19	7th St.	1
CCTV Sewer Pipe	30889	10-25-19	27th to Woodlawn	1
CCTV Sewer Pipe	31024	10-28-19	Capital and Pear	1
CCTV Sewer Pipe	29064	10-29-19	Seneca	1
CCTV Sewer Pipe	29076	10-29-19	Seneca ST.	1
CCTV Sewer Pipe	29102	10-29-19	Front St.	1
CCTV Sewer Pipe	29161	10-29-19	Front St.	1
CCTV Sewer Pipe	29163	10-29-19	Front St.	1
CCTV Sewer Pipe	31227	10-29-19	Front St.	1
CCTV Sewer Pipe	29096	10-30-19	Seneca ST.	1
CCTV Sewer Pipe	29120	10-30-19	Radnor St.	1
CCTV Sewer Pipe	29159	10-30-19	Seneca St.	1
CCTV Sewer Pipe	29109	10-31-19	Woodbine (north)	1
CCTV Sewer Pipe	29210	10-31-19	Woodbine	1
CCTV Sewer Pipe	29213	10-31-19	Woodbine	1
CCTV Sewer Pipe	29751	10-31-19	19th and Bellvue	1
CCTV Sewer Pipe	30886	10-31-19	28th st	1
CCTV Sewer Pipe	30887	10-31-19	27th st	1
CCTV Sewer Pipe	30888	10-31-19	27th and Woodlawn	1
CCTV Sewer Pipe	30971	10-31-19	Market st near pump station	1
CCTV Sewer Pipe	30972	10-31-19	Market st	1
CCTV Sewer Pipe	30973	10-31-19	Market st	1
CCTV Sewer Pipe	29554	11-1-19	23rd st	1
CCTV Sewer Pipe	29560	11-1-19	Benton st	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	29651	11-1-19	Forster st to Green st	1
CCTV Sewer Pipe	29681	11-1-19	Forster st	1
CCTV Sewer Pipe	29747	11-1-19	Forester st	1
CCTV Sewer Pipe	29748	11-1-19	Forester st	1
CCTV Sewer Pipe	29791	11-1-19	Hershey creamery	1
CCTV Sewer Pipe	30051	11-1-19	Derry st near 14th	1
CCTV Sewer Pipe	30844	11-1-19	15th and Swatara	1
CCTV Sewer Pipe	29215	11-4-19	Woodbine & Front	1
CCTV Sewer Pipe	27544	11-5-19	Crooked Alley	1
CCTV Sewer Pipe	29075	11-5-19	Sixth St.	1
CCTV Sewer Pipe	29087	11-5-19	Sixth St.	1
CCTV Sewer Pipe	29110	11-5-19	Curtin St.	1
CCTV Sewer Pipe	29182	11-5-19	Ross St.	1
CCTV Sewer Pipe	31191	11-5-19	Logan off MaClay st	1
CCTV Sewer Pipe	29171	11-6-19	Emerald St.	1
CCTV Sewer Pipe	29180	11-6-19	Seneca	1
CCTV Sewer Pipe	29223	11-6-19	Emerald St.	1
CCTV Sewer Pipe	31186	11-6-19	Raleigh st	1
CCTV Sewer Pipe	31239	11-6-19	TRW	1
CCTV Sewer Pipe	31262	11-6-19	Benton & Brookwood st	1
CCTV Sewer Pipe	31266	11-6-19	BENTON & RALEIGH ST	1
CCTV Sewer Pipe	31268	11-6-19	BENTON & RALEIGH ST	1
CCTV Sewer Pipe	31273	11-6-19	RALEIGH ST	1
CCTV Sewer Pipe	29113	11-7-19	Fifth St.	1
CCTV Sewer Pipe	29204	11-7-19	Forrest St.	1
CCTV Sewer Pipe	29207	11-7-19	Fifth St.	1
CCTV Sewer Pipe	31287	11-7-19	1198 Walnut st lat for HRG	1
CCTV Sewer Pipe	29143	11-8-19	Seventh St.	1
CCTV Sewer Pipe	29172	11-8-19	Curtin St.	1
CCTV Sewer Pipe	31187	11-8-19	27th and Raleigh	1
CCTV Sewer Pipe	31741	11-8-19	Seventh St.	1
CCTV Sewer Pipe	31742	11-8-19	Seventh St	1
CCTV Sewer Pipe	29104	11-11-19	Schuylkill	1
CCTV Sewer Pipe	29118	11-11-19	Susquehanna St.	1
CCTV Sewer Pipe	29119	11-11-19	Susquehanna St.	1
CCTV Sewer Pipe	29123	11-11-19	Susquehanna St.	1
CCTV Sewer Pipe	29125	11-11-19	Jefferson St.	1
CCTV Sewer Pipe	29130	11-11-19	Susquehanna St.	1
CCTV Sewer Pipe	29068	11-12-19	Turner St.	1
CCTV Sewer Pipe	29085	11-12-19	Turner St.	1
CCTV Sewer Pipe	29136	11-12-19	Seneca St.	1
CCTV Sewer Pipe	29194	11-12-19	Susquehanna St.	1
CCTV Sewer Pipe	31351	11-12-19	7th st to Radnor	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	31375	11-12-19	2022 Chestnut	1
CCTV Sewer Pipe	31376	11-12-19	1456 market st	1
CCTV Sewer Pipe	29061	11-13-19	Sixth St.	1
CCTV Sewer Pipe	29183	11-13-19	Sixth St.	1
CCTV Sewer Pipe	31197	11-13-19	Melrose to Derry	1
CCTV Sewer Pipe	31198	11-13-19	Melrose	1
CCTV Sewer Pipe	31422	11-13-19	2320 North 2nd st	1
CCTV Sewer Pipe	29063	11-14-19	Ivy St.	1
CCTV Sewer Pipe	29066	11-14-19	Camp St.	1
CCTV Sewer Pipe	29128	11-14-19	Camp St	1
CCTV Sewer Pipe	29227	11-14-19	Camp St.	1
CCTV Sewer Pipe	29228	11-14-19	Camp St.	1
CCTV Sewer Pipe	29232	11-14-19	Sixth St.	1
CCTV Sewer Pipe	31194	11-14-19	Derry st	1
CCTV Sewer Pipe	31195	11-14-19	Derry st	1
CCTV Sewer Pipe	31196	11-14-19	Derry st	1
CCTV Sewer Pipe	29116	11-15-19	Emerald St.	1
CCTV Sewer Pipe	29165	11-15-19	Emerald St.	1
CCTV Sewer Pipe	31519	11-17-19	Boas to 18th	1
CCTV Sewer Pipe	31497	11-21-19	State st	1
CCTV Sewer Pipe	31498	11-21-19	State st	1
CCTV Sewer Pipe	31499	11-21-19	State st	1
CCTV Sewer Pipe	31500	11-21-19	State st	1
CCTV Sewer Pipe	31501	11-21-19	State st	1
CCTV Sewer Pipe	31502	11-21-19	State st	1
CCTV Sewer Pipe	31503	11-21-19	State st	1
CCTV Sewer Pipe	31535	11-21-19	Bailey st to Linden	1
CCTV Sewer Pipe	31559	11-21-19	Linden to Walnut	1
CCTV Sewer Pipe	31379	11-22-19	REGINA TO 19TH	1
CCTV Sewer Pipe	31504	11-22-19	State st	1
CCTV Sewer Pipe	31505	11-22-19	State st	1
CCTV Sewer Pipe	31532	11-22-19	19TH & YORK STREE	1
CCTV Sewer Pipe	31705	11-24-19	19th st to Forster	1
CCTV Sewer Pipe	31706	11-24-19	19th	1
CCTV Sewer Pipe	31708	11-24-19	19th and Forester	1
CCTV Sewer Pipe	31709	11-24-19	19th & Forster St	1
CCTV Sewer Pipe	29753	11-25-19	Bellvue to 20th st	1
CCTV Sewer Pipe	31714	11-25-19	FORSTER TO 18TH ST.	1
CCTV Sewer Pipe	31717	11-25-19	18th Street	1
CCTV Sewer Pipe	31718	11-25-19	18TH & FORSTER	1
CCTV Sewer Pipe	31188	11-26-19	Raliegh st	1
CCTV Sewer Pipe	31189	11-26-19	Raliegh st to 25th	1
CCTV Sewer Pipe	31400	11-26-19	20th & North Street	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	31405	11-26-19	NORTH & LINN STREET	1
CCTV Sewer Pipe	31410	11-26-19	LINN & MILLER STREET	1
CCTV Sewer Pipe	31411	11-26-19	18TH & MILLER STREET	1
CCTV Sewer Pipe	31511	11-26-19	Kunkle to 19th	1
CCTV Sewer Pipe	31512	11-26-19	Kunkle	1
CCTV Sewer Pipe	31513	11-26-19	Kunkle	1
CCTV Sewer Pipe	31515	11-26-19	Boas near Long alley	1
CCTV Sewer Pipe	31518	11-26-19	Boas st	1
CCTV Sewer Pipe	31528	11-26-19	LINN & YORK STREET	1
CCTV Sewer Pipe	31703	11-26-19	19th and Brown	1
CCTV Sewer Pipe	31704	11-26-19	19th st	1
CCTV Sewer Pipe	31743	11-26-19	Muench st	1
CCTV Sewer Pipe	31780	11-27-19	Susq/Dubbs to Forester st	1
CCTV Sewer Pipe	31802	11-30-19	19th and York	1
CCTV Sewer Pipe	31803	11-30-19	York st	1
CCTV Sewer Pipe	31804	11-30-19	York to 18th st	1
CCTV Sewer Pipe	31805	11-30-19	Herr to 18th st	1
CCTV Sewer Pipe	31812	11-30-19	18th and Forester	1
CCTV Sewer Pipe	31813	11-30-19	forester to 17th	1
CCTV Sewer Pipe	31814	11-30-19	Forester to 16th	1
CCTV Sewer Pipe	27112	12-2-19	12th & goodwill dr	1
CCTV Sewer Pipe	29734	12-2-19	Reily st	1
CCTV Sewer Pipe	32034	12-12-19	18TH & WALNUT ST	1
CCTV Sewer Pipe	32036	12-12-19	18th to Whitehall	1
CCTV Sewer Pipe	31953	12-13-19	21st and bellvue	1
CCTV Sewer Pipe	31954	12-13-19	21st st	1
CCTV Sewer Pipe	31960	12-13-19	21st to Market	1
CCTV Sewer Pipe	31962	12-13-19	Chestnut st	1
CCTV Sewer Pipe	31988	12-13-19	19th to 18th & walnut st	1
CCTV Sewer Pipe	32104	12-15-19	Parkway	1
CCTV Sewer Pipe	32105	12-15-19	Parkway to 17th	1
CCTV Sewer Pipe	32107	12-15-19	Reservoir st	1
CCTV Sewer Pipe	31890	12-17-19	Greenbelt from CRW to Swatara twp	1
CCTV Sewer Pipe	31940	12-17-19	GreenBelt dr	1
CCTV Sewer Pipe	31955	12-17-19	21st st	1
CCTV Sewer Pipe	31959	12-17-19	21st st	1
CCTV Sewer Pipe	32011	12-17-19	19th & Walnut st to Lynn st	1
CCTV Sewer Pipe	32048	12-17-19	2311 Luce st	1
CCTV Sewer Pipe	32103	12-19-19	Parkway	1
CCTV Sewer Pipe	32221	12-19-19	3rd and blackberry	1
CCTV Sewer Pipe	32270	12-22-19	14th to Sassafras	1
CCTV Sewer Pipe	32271	12-22-19	Cumberland to 13th	1
CCTV Sewer Pipe	32272	12-22-19	Cumberland and Flor	1

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Sewer Pipe	32273	12-22-19	Sassafras	1
CCTV Sewer Pipe	32274	12-22-19	Sassafrass to 14th	1
CCTV Sewer Pipe	32267	12-22-19	Cumberland to 14th	1
Clean CSO Site	25697	4-13-19	Front & Muench	1
Clean CSO Site	28114	7-15-19	Front and Peffer Street	2
Clean CSO Site	28115	7-15-19	Front and State	3
Clean CSO Site	28116	7-25-19	Front and Muench	1
Clean CSO Site	29490	8-16-19	South Mulberry and Cameron	1
Clean CSO Site	29567	8-18-19	Cameron and calder	1
Clean CSO Site	29570	8-18-19	Front and calder	1
Clean CSO Site	29539	8-18-19	Hill chamber (TRW)	1
Clean CSO Site	29540	8-18-19	Cameron and calder	2
Clean CSO Site	29520	8-18-19	South market and cameron	1
Clean CSO Site	29513	8-18-19	10th and Shannon street	1
Clean CSO Site	29517	8-18-19	Tenth and Chestnut	2
Clean CSO Site	29526	8-18-19	South cumberland and cameron	2
Clean CSO Site	29568	8-19-19	Cameron and Schuylkill	1
Clean CSO Site	29569	8-19-19	forrest and cameron	1
Clean CSO Site	29495	8-19-19	Shanois street	1
Clean CSO Site	29501	8-19-19	South mulberry and cameron	1
Clean CSO Site	29510	8-19-19	Salmon Street	1
Clean CSO Site	29506	8-19-19	Tenth and Sycamore	1
Clean CSO Site	29524	8-19-19	East Cameron and North	1
Clean CSO Site	30322	9-30-19	Front & Tuscarora	1
Clean CSO Site	32354	12-27-19		1
Clean Pipe	24597	3-7-19	2515 North 2nd st	1
Clean Sanitary Manhole	25003	3-15-19	Berryhill	1
Clean Sanitary Manhole	25001	3-15-19	BerryHill & Hatton	1
Clean Sanitary Manhole	25005	3-15-19	Berryhill & 25th	1
Clean Sanitary Manhole	25011	3-15-19	Barkley Lane (culdasac)	1
Clean Sanitary Manhole	26273	5-8-19	Raleigh & Philco St.	1
Clean Sanitary Manhole	26264	5-8-19	28th St.	1
Clean Sanitary Manhole	26267	5-8-19	27th & Woodlawn	1
Clean Sanitary Manhole	26270	5-8-19	27th & Raleigh	1
Clean Sanitary Manhole	26359	5-9-19	26th	1
Clean Sanitary Manhole	26371	5-9-19	25th	1
Clean Sanitary Manhole	26373	5-9-19	25th	1
Clean Sanitary Manhole	26406	5-10-19	24th Street & Ellerslie	1
CSO Corrective Maintenance	30693	10-9-19	FRONT & TUSCARORA	1

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	23148	1-1-19		27
Daily CSO Inspection Front Street	23155	1-2-19		27
Daily CSO Inspection Front Street	23171	1-3-19		27
Daily CSO Inspection Front Street	23188	1-4-19		27
Daily CSO Inspection Front Street	23210	1-5-19		27
Daily CSO Inspection Front Street	23236	1-6-19		27
Daily CSO Inspection Front Street	23238	1-7-19		27
Daily CSO Inspection Front Street	23265	1-8-19		27
Daily CSO Inspection Front Street	23283	1-9-19		27
Daily CSO Inspection Front Street	23305	1-10-19		27
Daily CSO Inspection Front Street	23326	1-11-19		27
Daily CSO Inspection Front Street	23352	1-12-19		27
Daily CSO Inspection Front Street	23366	1-13-19		27
Daily CSO Inspection Front Street	23370	1-14-19		27
Daily CSO Inspection Front Street	23382	1-15-19		27
Daily CSO Inspection Front Street	23415	1-16-19		27
Daily CSO Inspection Front Street	23437	1-17-19		27
Daily CSO Inspection Front Street	23465	1-18-19		27
Daily CSO Inspection Front Street	23494	1-19-19		27
Daily CSO Inspection Front Street	23501	1-20-19		27
Daily CSO Inspection Front Street	23504	1-21-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	23509	1-22-19		27
Daily CSO Inspection Front Street	23517	1-23-19		27
Daily CSO Inspection Front Street	23547	1-24-19		27
Daily CSO Inspection Front Street	23587	1-25-19		27
Daily CSO Inspection Front Street	23614	1-26-19		27
Daily CSO Inspection Front Street	23636	1-28-19		27
Daily CSO Inspection Front Street	23649	1-28-19		27
Daily CSO Inspection Front Street	23663	1-29-19		27
Daily CSO Inspection Front Street	23730	1-30-19		27
Daily CSO Inspection Front Street	23776	1-31-19		27
Daily CSO Inspection Front Street	23810	2-1-19		27
Daily CSO Inspection Front Street	23833	2-2-19		27
Daily CSO Inspection Front Street	23844	2-3-19		27
Daily CSO Inspection Front Street	23849	2-4-19		27
Daily CSO Inspection Front Street	23883	2-5-19		27
Daily CSO Inspection Front Street	23921	2-6-19		27
Daily CSO Inspection Front Street	23959	2-7-19		27
Daily CSO Inspection Front Street	24005	2-8-19		27
Daily CSO Inspection Front Street	24027	2-9-19		27
Daily CSO Inspection Front Street	24030	2-10-19		27
Daily CSO Inspection Front Street	24038	2-11-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	24065	2-12-19		27
Daily CSO Inspection Front Street	24088	2-13-19		27
Daily CSO Inspection Front Street	24119	2-14-19		27
Daily CSO Inspection Front Street	24132	2-15-19		27
Daily CSO Inspection Front Street	24170	2-16-19		27
Daily CSO Inspection Front Street	24179	2-17-19		27
Daily CSO Inspection Front Street	24181	2-18-19		27
Daily CSO Inspection Front Street	24200	2-19-19		27
Daily CSO Inspection Front Street	24218	2-20-19		27
Daily CSO Inspection Front Street	24290	2-21-19		27
Daily CSO Inspection Front Street	24295	2-22-19		27
Daily CSO Inspection Front Street	24314	2-23-19		27
Daily CSO Inspection Front Street	24333	2-24-19		27
Daily CSO Inspection Front Street	24339	2-25-19		27
Daily CSO Inspection Front Street	24353	2-26-19		27
Daily CSO Inspection Front Street	24382	2-27-19		27
Daily CSO Inspection Front Street	24404	2-28-19		27
Daily CSO Inspection Front Street	24436	3-1-19		27
Daily CSO Inspection Front Street	24474	3-2-19		27
Daily CSO Inspection Front Street	24496	3-3-19		27
Daily CSO Inspection Front Street	24507	3-4-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	24525	3-5-19		27
Daily CSO Inspection Front Street	24545	3-6-19		27
Daily CSO Inspection Front Street	24557	3-7-19		27
Daily CSO Inspection Front Street	24581	3-8-19		27
Daily CSO Inspection Front Street	24596	3-9-19		27
Daily CSO Inspection Front Street	24615	3-10-19		27
Daily CSO Inspection Front Street	24628	3-11-19		27
Daily CSO Inspection Front Street	24641	3-12-19		27
Daily CSO Inspection Front Street	24792	3-13-19		27
Daily CSO Inspection Front Street	24832	3-14-19		27
Daily CSO Inspection Front Street	24869	3-15-19		27
Daily CSO Inspection Front Street	24924	3-16-19		27
Daily CSO Inspection Front Street	24954	3-17-19		27
Daily CSO Inspection Front Street	24957	3-18-19		27
Daily CSO Inspection Front Street	24993	3-19-19		27
Daily CSO Inspection Front Street	25031	3-20-19		27
Daily CSO Inspection Front Street	25071	3-21-19		27
Daily CSO Inspection Front Street	25108	3-22-19		27
Daily CSO Inspection Front Street	25122	3-23-19		27
Daily CSO Inspection Front Street	25148	3-24-19		27
Daily CSO Inspection Front Street	25158	3-25-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	25177	3-26-19		27
Daily CSO Inspection Front Street	25202	3-27-19		27
Daily CSO Inspection Front Street	25231	3-28-19		27
Daily CSO Inspection Front Street	25258	3-29-19		27
Daily CSO Inspection Front Street	25316	3-30-19		27
Daily CSO Inspection Front Street	25318	3-31-19		27
Daily CSO Inspection Front Street	25324	4-1-19		27
Daily CSO Inspection Front Street	25341	4-2-19		27
Daily CSO Inspection Front Street	25367	4-3-19		27
Daily CSO Inspection Front Street	25424	4-4-19		27
Daily CSO Inspection Front Street	25462	4-5-19		27
Daily CSO Inspection Front Street	25478	4-6-19		27
Daily CSO Inspection Front Street	25500	4-7-19		27
Daily CSO Inspection Front Street	25510	4-8-19		27
Daily CSO Inspection Front Street	25546	4-9-19		27
Daily CSO Inspection Front Street	25561	4-10-19		27
Daily CSO Inspection Front Street	25587	4-11-19		27
Daily CSO Inspection Front Street	25611	4-12-19		27
Daily CSO Inspection Front Street	25625	4-13-19		27
Daily CSO Inspection Front Street	25630	4-14-19		27
Daily CSO Inspection Front Street	25633	4-15-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	25643	4-16-19		27
Daily CSO Inspection Front Street	25689	4-17-19		27
Daily CSO Inspection Front Street	25737	4-18-19		27
Daily CSO Inspection Front Street	25762	4-19-19		27
Daily CSO Inspection Front Street	25772	4-20-19		27
Daily CSO Inspection Front Street	25776	4-21-19		27
Daily CSO Inspection Front Street	25781	4-22-19		27
Daily CSO Inspection Front Street	25799	4-23-19		27
Daily CSO Inspection Front Street	25830	4-24-19		27
Daily CSO Inspection Front Street	25864	4-25-19		27
Daily CSO Inspection Front Street	25877	4-26-19		27
Daily CSO Inspection Front Street	25906	4-27-19		27
Daily CSO Inspection Front Street	25918	4-28-19		27
Daily CSO Inspection Front Street	25921	4-29-19		27
Daily CSO Inspection Front Street	25957	4-30-19		27
Daily CSO Inspection Front Street	25965	5-1-19		27
Daily CSO Inspection Front Street	25998	5-2-19		27
Daily CSO Inspection Front Street	26033	5-3-19		27
Daily CSO Inspection Front Street	26113	5-4-19		27
Daily CSO Inspection Front Street	26118	5-5-19		27
Daily CSO Inspection Front Street	26204	5-6-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	26208	5-7-19		27
Daily CSO Inspection Front Street	26249	5-8-19		27
Daily CSO Inspection Front Street	26250	5-9-19		27
Daily CSO Inspection Front Street	26346	5-10-19		27
Daily CSO Inspection Front Street	26386	5-11-19		27
Daily CSO Inspection Front Street	26398	5-12-19		27
Daily CSO Inspection Front Street	26407	5-13-19		27
Daily CSO Inspection Front Street	26422	5-14-19		27
Daily CSO Inspection Front Street	26472	5-15-19		27
Daily CSO Inspection Front Street	26506	5-16-19		27
Daily CSO Inspection Front Street	26518	5-17-19		27
Daily CSO Inspection Front Street	26547	5-18-19		27
Daily CSO Inspection Front Street	26588	5-19-19		27
Daily CSO Inspection Front Street	26600	5-20-19		27
Daily CSO Inspection Front Street	26608	5-21-19		27
Daily CSO Inspection Front Street	26637	5-22-19		27
Daily CSO Inspection Front Street	26673	5-23-19		27
Daily CSO Inspection Front Street	26695	5-24-19		27
Daily CSO Inspection Front Street	26721	5-25-19		27
Daily CSO Inspection Front Street	26724	5-26-19		27
Daily CSO Inspection Front Street	26726	5-27-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	26729	5-28-19		27
Daily CSO Inspection Front Street	26750	5-29-19		27
Daily CSO Inspection Front Street	26782	5-30-19		27
Daily CSO Inspection Front Street	26797	5-31-19		27
Daily CSO Inspection Front Street	26858	6-1-19		27
Daily CSO Inspection Front Street	26860	6-2-19		27
Daily CSO Inspection Front Street	26871	6-3-19		27
Daily CSO Inspection Front Street	26897	6-4-19		27
Daily CSO Inspection Front Street	26961	6-5-19		27
Daily CSO Inspection Front Street	26963	6-6-19		27
Daily CSO Inspection Front Street	26981	6-7-19		27
Daily CSO Inspection Front Street	27008	6-8-19		27
Daily CSO Inspection Front Street	27023	6-9-19		27
Daily CSO Inspection Front Street	27033	6-10-19		27
Daily CSO Inspection Front Street	27057	6-11-19		27
Daily CSO Inspection Front Street	27094	6-12-19		27
Daily CSO Inspection Front Street	27168	6-13-19		27
Daily CSO Inspection Front Street	27213	6-14-19		27
Daily CSO Inspection Front Street	27260	6-15-19		27
Daily CSO Inspection Front Street	27269	6-16-19		27
Daily CSO Inspection Front Street	27271	6-17-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	27300	6-18-19		27
Daily CSO Inspection Front Street	27335	6-19-19		27
Daily CSO Inspection Front Street	27399	6-20-19		27
Daily CSO Inspection Front Street	27422	6-21-19		27
Daily CSO Inspection Front Street	27436	6-22-19		27
Daily CSO Inspection Front Street	27442	6-23-19		27
Daily CSO Inspection Front Street	27451	6-24-19		27
Daily CSO Inspection Front Street	27492	6-25-19		27
Daily CSO Inspection Front Street	27520	6-26-19		27
Daily CSO Inspection Front Street	27533	6-27-19		27
Daily CSO Inspection Front Street	27552	6-28-19		27
Daily CSO Inspection Front Street	27564	6-29-19		27
Daily CSO Inspection Front Street	27575	6-30-19		27
Daily CSO Inspection Front Street	27577	7-1-19		27
Daily CSO Inspection Front Street	27610	7-2-19		27
Daily CSO Inspection Front Street	27638	7-3-19		27
Daily CSO Inspection Front Street	27664	7-4-19		27
Daily CSO Inspection Front Street	27671	7-5-19		27
Daily CSO Inspection Front Street	27685	7-6-19		27
Daily CSO Inspection Front Street	27695	7-7-19		27
Daily CSO Inspection Front Street	27729	7-8-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	27732	7-9-19		27
Daily CSO Inspection Front Street	27747	7-10-19		27
Daily CSO Inspection Front Street	27788	7-11-19		27
Daily CSO Inspection Front Street	27823	7-12-19		27
Daily CSO Inspection Front Street	27884	7-14-19		27
Daily CSO Inspection Front Street	27856	7-14-19		27
Daily CSO Inspection Front Street	27886	7-15-19		27
Daily CSO Inspection Front Street	27899	7-16-19		27
Daily CSO Inspection Front Street	27924	7-17-19		27
Daily CSO Inspection Front Street	27944	7-18-19		27
Daily CSO Inspection Front Street	27963	7-19-19		27
Daily CSO Inspection Front Street	28012	7-20-19		27
Daily CSO Inspection Front Street	28024	7-21-19		27
Daily CSO Inspection Front Street	28025	7-22-19		27
Daily CSO Inspection Front Street	28047	7-23-19		27
Daily CSO Inspection Front Street	28074	7-24-19		27
Daily CSO Inspection Front Street	28097	7-25-19		27
Daily CSO Inspection Front Street	28131	7-26-19		27
Daily CSO Inspection Front Street	28148	7-27-19		27
Daily CSO Inspection Front Street	28155	7-28-19		27
Daily CSO Inspection Front Street	28159	7-29-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	28198	7-30-19		27
Daily CSO Inspection Front Street	28263	7-31-19		27
Daily CSO Inspection Front Street	28303	8-1-19		27
Daily CSO Inspection Front Street	28328	8-2-19		27
Daily CSO Inspection Front Street	28362	8-3-19		27
Daily CSO Inspection Front Street	28377	8-4-19		27
Daily CSO Inspection Front Street	28381	8-5-19		27
Daily CSO Inspection Front Street	28410	8-6-19		27
Daily CSO Inspection Front Street	28449	8-7-19		27
Daily CSO Inspection Front Street	28483	8-8-19		27
Daily CSO Inspection Front Street	28613	8-9-19		27
Daily CSO Inspection Front Street	28825	8-10-19		27
Daily CSO Inspection Front Street	28963	8-11-19		27
Daily CSO Inspection Front Street	28968	8-12-19		27
Daily CSO Inspection Front Street	28997	8-13-19		27
Daily CSO Inspection Front Street	29026	8-14-19		27
Daily CSO Inspection Front Street	29042	8-15-19		27
Daily CSO Inspection Front Street	29297	8-16-19		27
Daily CSO Inspection Front Street	29325	8-17-19		27
Daily CSO Inspection Front Street	29334	8-18-19		27
Daily CSO Inspection Front Street	29337	8-19-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	29371	8-20-19		27
Daily CSO Inspection Front Street	29383	8-21-19		27
Daily CSO Inspection Front Street	29420	8-22-19		27
Daily CSO Inspection Front Street	29477	8-23-19		27
Daily CSO Inspection Front Street	29535	8-24-19		27
Daily CSO Inspection Front Street	29549	8-25-19		27
Daily CSO Inspection Front Street	29556	8-26-19		27
Daily CSO Inspection Front Street	29576	8-27-19		27
Daily CSO Inspection Front Street	29611	8-28-19		27
Daily CSO Inspection Front Street	29637	8-29-19		27
Daily CSO Inspection Front Street	29662	8-30-19		27
Daily CSO Inspection Front Street	29704	8-31-19		27
Daily CSO Inspection Front Street	29714	9-1-19		27
Daily CSO Inspection Front Street	29715	9-2-19		27
Daily CSO Inspection Front Street	29720	9-3-19		27
Daily CSO Inspection Front Street	29732	9-4-19		27
Daily CSO Inspection Front Street	29745	9-5-19		27
Daily CSO Inspection Front Street	29768	9-6-19		27
Daily CSO Inspection Front Street	29805	9-7-19		27
Daily CSO Inspection Front Street	29811	9-8-19		27
Daily CSO Inspection Front Street	29815	9-9-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	29843	9-10-19		27
Daily CSO Inspection Front Street	29889	9-11-19		27
Daily CSO Inspection Front Street	29890	9-12-19		27
Daily CSO Inspection Front Street	29930	9-13-19		27
Daily CSO Inspection Front Street	29951	9-14-19		27
Daily CSO Inspection Front Street	29960	9-15-19		27
Daily CSO Inspection Front Street	29961	9-16-19		27
Daily CSO Inspection Front Street	29989	9-17-19		27
Daily CSO Inspection Front Street	30010	9-18-19		27
Daily CSO Inspection Front Street	30049	9-19-19		27
Daily CSO Inspection Front Street	30066	9-20-19		27
Daily CSO Inspection Front Street	30108	9-21-19		27
Daily CSO Inspection Front Street	30128	9-22-19		27
Daily CSO Inspection Front Street	30131	9-23-19		27
Daily CSO Inspection Front Street	30142	9-24-19		27
Daily CSO Inspection Front Street	30159	9-25-19		27
Daily CSO Inspection Front Street	30190	9-26-19		27
Daily CSO Inspection Front Street	30209	9-27-19		27
Daily CSO Inspection Front Street	30253	9-28-19		27
Daily CSO Inspection Front Street	30273	9-29-19		27
Daily CSO Inspection Front Street	30281	9-30-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	30307	10-1-19		27
Daily CSO Inspection Front Street	30367	10-2-19		27
Daily CSO Inspection Front Street	30450	10-3-19		27
Daily CSO Inspection Front Street	30544	10-4-19		27
Daily CSO Inspection Front Street	30567	10-5-19		27
Daily CSO Inspection Front Street	30580	10-6-19		27
Daily CSO Inspection Front Street	30582	10-7-19		27
Daily CSO Inspection Front Street	30598	10-8-19		27
Daily CSO Inspection Front Street	30639	10-9-19		27
Daily CSO Inspection Front Street	30670	10-10-19		27
Daily CSO Inspection Front Street	30710	10-11-19		27
Daily CSO Inspection Front Street	30745	10-12-19		27
Daily CSO Inspection Front Street	31032	10-13-19		27
Daily CSO Inspection Front Street	31035	10-14-19		27
Daily CSO Inspection Front Street	31036	10-15-19		27
Daily CSO Inspection Front Street	31039	10-16-19		27
Daily CSO Inspection Front Street	31042	10-17-19		27
Daily CSO Inspection Front Street	31043	10-18-19		27
Daily CSO Inspection Front Street	31046	10-19-19		27
Daily CSO Inspection Front Street	31052	10-20-19		27
Daily CSO Inspection Front Street	31053	10-21-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	31055	10-22-19		27
Daily CSO Inspection Front Street	31057	10-23-19		27
Daily CSO Inspection Front Street	31060	10-24-19		27
Daily CSO Inspection Front Street	31062	10-25-19		27
Daily CSO Inspection Front Street	31064	10-26-19		27
Daily CSO Inspection Front Street	31068	10-27-19		27
Daily CSO Inspection Front Street	31100	10-29-19		27
Daily CSO Inspection Front Street	31120	10-30-19		27
Daily CSO Inspection Front Street	31090	10-30-19		27
Daily CSO Inspection Front Street	31123	10-31-19		27
Daily CSO Inspection Front Street	31143	11-1-19		27
Daily CSO Inspection Front Street	31183	11-2-19		27
Daily CSO Inspection Front Street	31185	11-3-19		27
Daily CSO Inspection Front Street	31199	11-4-19		27
Daily CSO Inspection Front Street	31226	11-5-19		27
Daily CSO Inspection Front Street	31257	11-6-19		27
Daily CSO Inspection Front Street	31280	11-7-19		27
Daily CSO Inspection Front Street	31295	11-8-19		27
Daily CSO Inspection Front Street	31336	11-9-19		27
Daily CSO Inspection Front Street	31346	11-10-19		27
Daily CSO Inspection Front Street	31349	11-11-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	31367	11-12-19		27
Daily CSO Inspection Front Street	31393	11-13-19		27
Daily CSO Inspection Front Street	31426	11-14-19		27
Daily CSO Inspection Front Street	31452	11-15-19		27
Daily CSO Inspection Front Street	31487	11-16-19		27
Daily CSO Inspection Front Street	31496	11-17-19		27
Daily CSO Inspection Front Street	31517	11-18-19		27
Daily CSO Inspection Front Street	31543	11-19-19		27
Daily CSO Inspection Front Street	31574	11-20-19		27
Daily CSO Inspection Front Street	31602	11-21-19		27
Daily CSO Inspection Front Street	31618	11-22-19		27
Daily CSO Inspection Front Street	31693	11-23-19		27
Daily CSO Inspection Front Street	31698	11-24-19		27
Daily CSO Inspection Front Street	31702	11-25-19		27
Daily CSO Inspection Front Street	31750	11-26-19		27
Daily CSO Inspection Front Street	31757	11-27-19		27
Daily CSO Inspection Front Street	31791	11-28-19		27
Daily CSO Inspection Front Street	31807	11-29-19		27
Daily CSO Inspection Front Street	31809	11-30-19		27
Daily CSO Inspection Front Street	31810	12-1-19		27
Daily CSO Inspection Front Street	31816	12-2-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	31834	12-3-19		27
Daily CSO Inspection Front Street	31880	12-4-19		27
Daily CSO Inspection Front Street	31912	12-5-19		27
Daily CSO Inspection Front Street	31925	12-6-19		27
Daily CSO Inspection Front Street	31945	12-7-19		27
Daily CSO Inspection Front Street	31949	12-8-19		27
Daily CSO Inspection Front Street	31956	12-9-19		27
Daily CSO Inspection Front Street	31970	12-10-19		27
Daily CSO Inspection Front Street	31996	12-11-19		27
Daily CSO Inspection Front Street	32012	12-12-19		27
Daily CSO Inspection Front Street	32039	12-13-19		27
Daily CSO Inspection Front Street	32083	12-14-19		27
Daily CSO Inspection Front Street	32110	12-15-19		27
Daily CSO Inspection Front Street	32112	12-16-19		27
Daily CSO Inspection Front Street	32125	12-17-19		27
Daily CSO Inspection Front Street	32155	12-18-19		27
Daily CSO Inspection Front Street	32182	12-19-19		27
Daily CSO Inspection Front Street	32219	12-20-19		27
Daily CSO Inspection Front Street	32251	12-21-19		27
Daily CSO Inspection Front Street	32265	12-22-19		27
Daily CSO Inspection Front Street	32268	12-23-19		27

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Front Street	32285	12-24-19		27
Daily CSO Inspection Front Street	32329	12-25-19		27
Daily CSO Inspection Front Street	32339	12-26-19		27
Daily CSO Inspection Front Street	32341	12-27-19		27
Daily CSO Inspection Front Street	32346	12-28-19		27
Daily CSO Inspection Front Street	32381	12-29-19		27
Daily CSO Inspection Front Street	32382	12-30-19		27
Daily CSO Inspection Front Street	32399	12-31-19		27
Daily CSO Inspection Paxton Creek	23147	1-1-19		31
Daily CSO Inspection Paxton Creek	23154	1-2-19		31
Daily CSO Inspection Paxton Creek	23173	1-3-19		31
Daily CSO Inspection Paxton Creek	23187	1-4-19		31
Daily CSO Inspection Paxton Creek	23207	1-5-19		31
Daily CSO Inspection Paxton Creek	23235	1-6-19		31
Daily CSO Inspection Paxton Creek	23237	1-7-19		31
Daily CSO Inspection Paxton Creek	23264	1-8-19		31
Daily CSO Inspection Paxton Creek	23281	1-9-19		31
Daily CSO Inspection Paxton Creek	23324	1-10-19		31
Daily CSO Inspection Paxton Creek	23325	1-11-19		31
Daily CSO Inspection Paxton Creek	23351	1-12-19		31
Daily CSO Inspection Paxton Creek	23367	1-13-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	23369	1-14-19		31
Daily CSO Inspection Paxton Creek	23381	1-15-19		31
Daily CSO Inspection Paxton Creek	23414	1-16-19		31
Daily CSO Inspection Paxton Creek	23436	1-17-19		31
Daily CSO Inspection Paxton Creek	23466	1-18-19		31
Daily CSO Inspection Paxton Creek	23495	1-19-19		31
Daily CSO Inspection Paxton Creek	23502	1-20-19		31
Daily CSO Inspection Paxton Creek	23505	1-21-19		31
Daily CSO Inspection Paxton Creek	23510	1-22-19		31
Daily CSO Inspection Paxton Creek	23518	1-23-19		31
Daily CSO Inspection Paxton Creek	23548	1-24-19		31
Daily CSO Inspection Paxton Creek	23569	1-25-19		31
Daily CSO Inspection Paxton Creek	23612	1-26-19		31
Daily CSO Inspection Paxton Creek	23648	1-28-19		31
Daily CSO Inspection Paxton Creek	23635	1-28-19		31
Daily CSO Inspection Paxton Creek	23662	1-29-19		31
Daily CSO Inspection Paxton Creek	23728	1-30-19		31
Daily CSO Inspection Paxton Creek	23773	1-31-19		31
Daily CSO Inspection Paxton Creek	23808	2-1-19		31
Daily CSO Inspection Paxton Creek	23832	2-2-19		31
Daily CSO Inspection Paxton Creek	23843	2-3-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	23848	2-4-19		31
Daily CSO Inspection Paxton Creek	23885	2-5-19		31
Daily CSO Inspection Paxton Creek	23923	2-6-19		31
Daily CSO Inspection Paxton Creek	23957	2-7-19		31
Daily CSO Inspection Paxton Creek	24003	2-8-19		31
Daily CSO Inspection Paxton Creek	24026	2-9-19		31
Daily CSO Inspection Paxton Creek	24031	2-10-19		31
Daily CSO Inspection Paxton Creek	24039	2-11-19		31
Daily CSO Inspection Paxton Creek	24066	2-12-19		31
Daily CSO Inspection Paxton Creek	24091	2-13-19		31
Daily CSO Inspection Paxton Creek	24118	2-14-19		31
Daily CSO Inspection Paxton Creek	24130	2-15-19		31
Daily CSO Inspection Paxton Creek	24169	2-16-19		31
Daily CSO Inspection Paxton Creek	24178	2-17-19		31
Daily CSO Inspection Paxton Creek	24180	2-19-19		31
Daily CSO Inspection Paxton Creek	24199	2-19-19		31
Daily CSO Inspection Paxton Creek	24216	2-20-19		31
Daily CSO Inspection Paxton Creek	24246	2-21-19		31
Daily CSO Inspection Paxton Creek	24299	2-22-19		31
Daily CSO Inspection Paxton Creek	24315	2-23-19		31
Daily CSO Inspection Paxton Creek	24338	2-24-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	24345	2-25-19		31
Daily CSO Inspection Paxton Creek	24352	2-26-19		31
Daily CSO Inspection Paxton Creek	24381	2-27-19		31
Daily CSO Inspection Paxton Creek	24403	2-28-19		31
Daily CSO Inspection Paxton Creek	24435	3-1-19		31
Daily CSO Inspection Paxton Creek	24473	3-2-19		31
Daily CSO Inspection Paxton Creek	24495	3-3-19		31
Daily CSO Inspection Paxton Creek	24506	3-4-19		31
Daily CSO Inspection Paxton Creek	24523	3-5-19		31
Daily CSO Inspection Paxton Creek	24544	3-6-19		31
Daily CSO Inspection Paxton Creek	24556	3-7-19		31
Daily CSO Inspection Paxton Creek	24580	3-8-19		31
Daily CSO Inspection Paxton Creek	24595	3-9-19		31
Daily CSO Inspection Paxton Creek	24614	3-10-19		31
Daily CSO Inspection Paxton Creek	24632	3-11-19		31
Daily CSO Inspection Paxton Creek	24640	3-12-19		31
Daily CSO Inspection Paxton Creek	24790	3-13-19		31
Daily CSO Inspection Paxton Creek	24830	3-14-19		31
Daily CSO Inspection Paxton Creek	24868	3-15-19		31
Daily CSO Inspection Paxton Creek	24923	3-16-19		31
Daily CSO Inspection Paxton Creek	24953	3-17-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	24956	3-18-19		31
Daily CSO Inspection Paxton Creek	24992	3-19-19		31
Daily CSO Inspection Paxton Creek	25029	3-20-19		31
Daily CSO Inspection Paxton Creek	25070	3-21-19		31
Daily CSO Inspection Paxton Creek	25106	3-22-19		31
Daily CSO Inspection Paxton Creek	25131	3-23-19		31
Daily CSO Inspection Paxton Creek	25157	3-24-19		31
Daily CSO Inspection Paxton Creek	25159	3-25-19		31
Daily CSO Inspection Paxton Creek	25178	3-26-19		31
Daily CSO Inspection Paxton Creek	25201	3-27-19		31
Daily CSO Inspection Paxton Creek	25230	3-28-19		31
Daily CSO Inspection Paxton Creek	25257	3-29-19		31
Daily CSO Inspection Paxton Creek	25315	3-30-19		31
Daily CSO Inspection Paxton Creek	25317	3-31-19		31
Daily CSO Inspection Paxton Creek	25322	4-1-19		31
Daily CSO Inspection Paxton Creek	25340	4-2-19		31
Daily CSO Inspection Paxton Creek	25368	4-3-19		31
Daily CSO Inspection Paxton Creek	25423	4-4-19		31
Daily CSO Inspection Paxton Creek	25459	4-5-19		31
Daily CSO Inspection Paxton Creek	25475	4-6-19		31
Daily CSO Inspection Paxton Creek	25499	4-7-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	25509	4-8-19		31
Daily CSO Inspection Paxton Creek	25542	4-9-19		31
Daily CSO Inspection Paxton Creek	25559	4-10-19		31
Daily CSO Inspection Paxton Creek	25592	4-11-19		31
Daily CSO Inspection Paxton Creek	25612	4-12-19		31
Daily CSO Inspection Paxton Creek	25626	4-13-19		31
Daily CSO Inspection Paxton Creek	25631	4-14-19		31
Daily CSO Inspection Paxton Creek	25634	4-15-19		31
Daily CSO Inspection Paxton Creek	25651	4-16-19		31
Daily CSO Inspection Paxton Creek	25685	4-17-19		31
Daily CSO Inspection Paxton Creek	25736	4-18-19		31
Daily CSO Inspection Paxton Creek	25761	4-19-19		31
Daily CSO Inspection Paxton Creek	25773	4-20-19		31
Daily CSO Inspection Paxton Creek	25777	4-21-19		31
Daily CSO Inspection Paxton Creek	25782	4-22-19		31
Daily CSO Inspection Paxton Creek	25800	4-23-19		31
Daily CSO Inspection Paxton Creek	25832	4-24-19		31
Daily CSO Inspection Paxton Creek	25863	4-25-19		31
Daily CSO Inspection Paxton Creek	25876	4-26-19		31
Daily CSO Inspection Paxton Creek	25916	4-27-19		31
Daily CSO Inspection Paxton Creek	25919	4-28-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	25922	4-29-19		31
Daily CSO Inspection Paxton Creek	25958	4-30-19		31
Daily CSO Inspection Paxton Creek	25966	5-1-19		31
Daily CSO Inspection Paxton Creek	25997	5-2-19		31
Daily CSO Inspection Paxton Creek	26032	5-3-19		31
Daily CSO Inspection Paxton Creek	26112	5-4-19		31
Daily CSO Inspection Paxton Creek	26117	5-5-19		31
Daily CSO Inspection Paxton Creek	26202	5-6-19		31
Daily CSO Inspection Paxton Creek	26206	5-7-19		31
Daily CSO Inspection Paxton Creek	26222	5-8-19		31
Daily CSO Inspection Paxton Creek	26253	5-9-19		31
Daily CSO Inspection Paxton Creek	26345	5-10-19		31
Daily CSO Inspection Paxton Creek	26385	5-11-19		31
Daily CSO Inspection Paxton Creek	26397	5-12-19		31
Daily CSO Inspection Paxton Creek	26401	5-13-19		31
Daily CSO Inspection Paxton Creek	26449	5-14-19		31
Daily CSO Inspection Paxton Creek	26475	5-15-19		31
Daily CSO Inspection Paxton Creek	26505	5-16-19		31
Daily CSO Inspection Paxton Creek	26525	5-17-19		31
Daily CSO Inspection Paxton Creek	26546	5-18-19		31
Daily CSO Inspection Paxton Creek	26587	5-19-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	26599	5-20-19		31
Daily CSO Inspection Paxton Creek	26620	5-21-19		31
Daily CSO Inspection Paxton Creek	26638	5-22-19		31
Daily CSO Inspection Paxton Creek	26674	5-23-19		31
Daily CSO Inspection Paxton Creek	26696	5-24-19		31
Daily CSO Inspection Paxton Creek	26722	5-25-19		31
Daily CSO Inspection Paxton Creek	26725	5-26-19		31
Daily CSO Inspection Paxton Creek	26727	5-27-19		31
Daily CSO Inspection Paxton Creek	26728	5-28-19		31
Daily CSO Inspection Paxton Creek	26749	5-29-19		31
Daily CSO Inspection Paxton Creek	26781	5-30-19		31
Daily CSO Inspection Paxton Creek	26794	5-31-19		31
Daily CSO Inspection Paxton Creek	26857	6-1-19		31
Daily CSO Inspection Paxton Creek	26861	6-2-19		31
Daily CSO Inspection Paxton Creek	26870	6-3-19		31
Daily CSO Inspection Paxton Creek	26896	6-4-19		31
Daily CSO Inspection Paxton Creek	26942	6-5-19		31
Daily CSO Inspection Paxton Creek	26964	6-6-19		31
Daily CSO Inspection Paxton Creek	26983	6-7-19		31
Daily CSO Inspection Paxton Creek	27009	6-8-19		31
Daily CSO Inspection Paxton Creek	27024	6-9-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	27034	6-10-19		31
Daily CSO Inspection Paxton Creek	27059	6-11-19		31
Daily CSO Inspection Paxton Creek	27091	6-12-19		31
Daily CSO Inspection Paxton Creek	27165	6-13-19		31
Daily CSO Inspection Paxton Creek	27219	6-14-19		31
Daily CSO Inspection Paxton Creek	27261	6-15-19		31
Daily CSO Inspection Paxton Creek	27270	6-16-19		31
Daily CSO Inspection Paxton Creek	27272	6-17-19		31
Daily CSO Inspection Paxton Creek	27301	6-18-19		31
Daily CSO Inspection Paxton Creek	27333	6-19-19		31
Daily CSO Inspection Paxton Creek	27395	6-20-19		31
Daily CSO Inspection Paxton Creek	27421	6-21-19		31
Daily CSO Inspection Paxton Creek	27435	6-22-19		31
Daily CSO Inspection Paxton Creek	27441	6-23-19		31
Daily CSO Inspection Paxton Creek	27450	6-24-19		31
Daily CSO Inspection Paxton Creek	27489	6-25-19		31
Daily CSO Inspection Paxton Creek	27519	6-26-19		31
Daily CSO Inspection Paxton Creek	27534	6-27-19		31
Daily CSO Inspection Paxton Creek	27553	6-28-19		31
Daily CSO Inspection Paxton Creek	27567	6-29-19		31
Daily CSO Inspection Paxton Creek	27576	6-30-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	27584	7-1-19		31
Daily CSO Inspection Paxton Creek	27611	7-2-19		31
Daily CSO Inspection Paxton Creek	27635	7-3-19		31
Daily CSO Inspection Paxton Creek	27665	7-4-19		31
Daily CSO Inspection Paxton Creek	27673	7-5-19		31
Daily CSO Inspection Paxton Creek	27683	7-6-19		31
Daily CSO Inspection Paxton Creek	27694	7-7-19		31
Daily CSO Inspection Paxton Creek	27728	7-8-19		31
Daily CSO Inspection Paxton Creek	27731	7-9-19		31
Daily CSO Inspection Paxton Creek	27746	7-10-19		31
Daily CSO Inspection Paxton Creek	27789	7-11-19		31
Daily CSO Inspection Paxton Creek	27824	7-12-19		31
Daily CSO Inspection Paxton Creek	27834	7-13-19		31
Daily CSO Inspection Paxton Creek	27883	7-14-19		31
Daily CSO Inspection Paxton Creek	27887	7-15-19		31
Daily CSO Inspection Paxton Creek	27896	7-16-19		31
Daily CSO Inspection Paxton Creek	27925	7-17-19		31
Daily CSO Inspection Paxton Creek	27942	7-18-19		31
Daily CSO Inspection Paxton Creek	27964	7-19-19		31
Daily CSO Inspection Paxton Creek	28014	7-20-19		31
Daily CSO Inspection Paxton Creek	28022	7-21-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	28023	7-22-19		31
Daily CSO Inspection Paxton Creek	28048	7-23-19		31
Daily CSO Inspection Paxton Creek	28075	7-24-19		31
Daily CSO Inspection Paxton Creek	28100	7-25-19		31
Daily CSO Inspection Paxton Creek	28130	7-26-19		31
Daily CSO Inspection Paxton Creek	28147	7-27-19		31
Daily CSO Inspection Paxton Creek	28156	7-28-19		31
Daily CSO Inspection Paxton Creek	28160	7-29-19		31
Daily CSO Inspection Paxton Creek	28200	7-30-19		31
Daily CSO Inspection Paxton Creek	28262	7-31-19		31
Daily CSO Inspection Paxton Creek	28304	8-1-19		31
Daily CSO Inspection Paxton Creek	28330	8-2-19		31
Daily CSO Inspection Paxton Creek	28363	8-3-19		31
Daily CSO Inspection Paxton Creek	28376	8-4-19		31
Daily CSO Inspection Paxton Creek	28380	8-5-19		31
Daily CSO Inspection Paxton Creek	28411	8-6-19		31
Daily CSO Inspection Paxton Creek	28448	8-7-19		31
Daily CSO Inspection Paxton Creek	28477	8-8-19		31
Daily CSO Inspection Paxton Creek	28543	8-9-19		31
Daily CSO Inspection Paxton Creek	28810	8-10-19		31
Daily CSO Inspection Paxton Creek	28962	8-11-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	28967	8-12-19		31
Daily CSO Inspection Paxton Creek	28996	8-13-19		31
Daily CSO Inspection Paxton Creek	29015	8-14-19		31
Daily CSO Inspection Paxton Creek	29050	8-15-19		31
Daily CSO Inspection Paxton Creek	29299	8-16-19		31
Daily CSO Inspection Paxton Creek	29324	8-17-19		31
Daily CSO Inspection Paxton Creek	29335	8-18-19		31
Daily CSO Inspection Paxton Creek	29336	8-19-19		31
Daily CSO Inspection Paxton Creek	29372	8-20-19		31
Daily CSO Inspection Paxton Creek	29384	8-21-19		31
Daily CSO Inspection Paxton Creek	29421	8-22-19		31
Daily CSO Inspection Paxton Creek	29478	8-23-19		31
Daily CSO Inspection Paxton Creek	29537	8-24-19		31
Daily CSO Inspection Paxton Creek	29548	8-25-19		31
Daily CSO Inspection Paxton Creek	29557	8-26-19		31
Daily CSO Inspection Paxton Creek	29577	8-27-19		31
Daily CSO Inspection Paxton Creek	29609	8-28-19		31
Daily CSO Inspection Paxton Creek	29635	8-29-19		31
Daily CSO Inspection Paxton Creek	29664	8-30-19		31
Daily CSO Inspection Paxton Creek	29702	8-31-19		31
Daily CSO Inspection Paxton Creek	29713	9-1-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	29716	9-2-19		31
Daily CSO Inspection Paxton Creek	29719	9-3-19		31
Daily CSO Inspection Paxton Creek	29727	9-4-19		31
Daily CSO Inspection Paxton Creek	29744	9-5-19		31
Daily CSO Inspection Paxton Creek	29760	9-6-19		31
Daily CSO Inspection Paxton Creek	29807	9-7-19		31
Daily CSO Inspection Paxton Creek	29812	9-8-19		31
Daily CSO Inspection Paxton Creek	29818	9-9-19		31
Daily CSO Inspection Paxton Creek	29845	9-10-19		31
Daily CSO Inspection Paxton Creek	29929	9-11-19		31
Daily CSO Inspection Paxton Creek	29948	9-12-19		31
Daily CSO Inspection Paxton Creek	29949	9-13-19		31
Daily CSO Inspection Paxton Creek	29952	9-14-19		31
Daily CSO Inspection Paxton Creek	29959	9-15-19		31
Daily CSO Inspection Paxton Creek	29962	9-16-19		31
Daily CSO Inspection Paxton Creek	29990	9-17-19		31
Daily CSO Inspection Paxton Creek	30013	9-18-19		31
Daily CSO Inspection Paxton Creek	30050	9-19-19		31
Daily CSO Inspection Paxton Creek	30068	9-20-19		31
Daily CSO Inspection Paxton Creek	30110	9-21-19		31
Daily CSO Inspection Paxton Creek	30129	9-22-19		31

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	30130	9-23-19		31
Daily CSO Inspection Paxton Creek	30143	9-24-19		31
Daily CSO Inspection Paxton Creek	30161	9-25-19		31
Daily CSO Inspection Paxton Creek	30191	9-26-19		31
Daily CSO Inspection Paxton Creek	30210	9-27-19		31
Daily CSO Inspection Paxton Creek	30254	9-28-19		31
Daily CSO Inspection Paxton Creek	30274	9-29-19		31
Daily CSO Inspection Paxton Creek	30282	9-30-19		31
Daily CSO Inspection Paxton Creek	30308	10-1-19		31
Daily CSO Inspection Paxton Creek	30368	10-2-19		31
Daily CSO Inspection Paxton Creek	30451	10-3-19		31
Daily CSO Inspection Paxton Creek	30545	10-4-19		31
Daily CSO Inspection Paxton Creek	30568	10-5-19		31
Daily CSO Inspection Paxton Creek	30579	10-6-19		31
Daily CSO Inspection Paxton Creek	30583	10-7-19		31
Daily CSO Inspection Paxton Creek	30599	10-8-19		31
Daily CSO Inspection Paxton Creek	30637	10-9-19		31
Daily CSO Inspection Paxton Creek	30672	10-10-19		31
Daily CSO Inspection Paxton Creek	30711	10-11-19		31
Daily CSO Inspection Paxton Creek	30735	10-12-19		31
Daily CSO Inspection Paxton Creek	31033	10-13-19		31

CAPITAL REGION WATER
Collection System Activity Report
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Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	31034	10-14-19		31
Daily CSO Inspection Paxton Creek	31038	10-15-19		31
Daily CSO Inspection Paxton Creek	31040	10-16-19		31
Daily CSO Inspection Paxton Creek	31041	10-17-19		31
Daily CSO Inspection Paxton Creek	31045	10-18-19		31
Daily CSO Inspection Paxton Creek	31047	10-19-19		31
Daily CSO Inspection Paxton Creek	31049	10-20-19		31
Daily CSO Inspection Paxton Creek	31054	10-21-19		31
Daily CSO Inspection Paxton Creek	31056	10-22-19		31
Daily CSO Inspection Paxton Creek	31058	10-23-19		31
Daily CSO Inspection Paxton Creek	31059	10-24-19		31
Daily CSO Inspection Paxton Creek	31061	10-25-19		31
Daily CSO Inspection Paxton Creek	31066	10-26-19		31
Daily CSO Inspection Paxton Creek	31069	10-27-19		31
Daily CSO Inspection Paxton Creek	31092	10-28-19		31
Daily CSO Inspection Paxton Creek	31101	10-29-19		31
Daily CSO Inspection Paxton Creek	31118	10-30-19		31
Daily CSO Inspection Paxton Creek	31122	10-31-19		31
Daily CSO Inspection Paxton Creek	31142	11-1-19		31
Daily CSO Inspection Paxton Creek	31171	11-2-19		31
Daily CSO Inspection Paxton Creek	31184	11-3-19		31

CAPITAL REGION WATER
Collection System Activity Report
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Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	31200	11-4-19		31
Daily CSO Inspection Paxton Creek	31228	11-5-19		31
Daily CSO Inspection Paxton Creek	31258	11-6-19		31
Daily CSO Inspection Paxton Creek	31279	11-7-19		31
Daily CSO Inspection Paxton Creek	31294	11-8-19		31
Daily CSO Inspection Paxton Creek	31334	11-9-19		31
Daily CSO Inspection Paxton Creek	31345	11-10-19		31
Daily CSO Inspection Paxton Creek	31350	11-11-19		31
Daily CSO Inspection Paxton Creek	31368	11-12-19		31
Daily CSO Inspection Paxton Creek	31396	11-13-19		31
Daily CSO Inspection Paxton Creek	31429	11-14-19		31
Daily CSO Inspection Paxton Creek	31446	11-15-19		31
Daily CSO Inspection Paxton Creek	31486	11-16-19		31
Daily CSO Inspection Paxton Creek	31495	11-17-19		31
Daily CSO Inspection Paxton Creek	31516	11-18-19		31
Daily CSO Inspection Paxton Creek	31542	11-19-19		31
Daily CSO Inspection Paxton Creek	31573	11-20-19		31
Daily CSO Inspection Paxton Creek	31601	11-21-19		31
Daily CSO Inspection Paxton Creek	31616	11-22-19		31
Daily CSO Inspection Paxton Creek	31692	11-23-19		31
Daily CSO Inspection Paxton Creek	31699	11-24-19		31

CAPITAL REGION WATER
Collection System Activity Report
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Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	31701	11-25-19		31
Daily CSO Inspection Paxton Creek	31722	11-26-19		31
Daily CSO Inspection Paxton Creek	31753	11-27-19		31
Daily CSO Inspection Paxton Creek	31792	11-28-19		31
Daily CSO Inspection Paxton Creek	31806	11-29-19		31
Daily CSO Inspection Paxton Creek	31808	11-30-19		31
Daily CSO Inspection Paxton Creek	31811	12-1-19		31
Daily CSO Inspection Paxton Creek	31815	12-2-19		31
Daily CSO Inspection Paxton Creek	31832	12-3-19		31
Daily CSO Inspection Paxton Creek	31879	12-4-19		31
Daily CSO Inspection Paxton Creek	31911	12-5-19		31
Daily CSO Inspection Paxton Creek	31924	12-6-19		31
Daily CSO Inspection Paxton Creek	31944	12-7-19		31
Daily CSO Inspection Paxton Creek	31950	12-8-19		31
Daily CSO Inspection Paxton Creek	31957	12-9-19		31
Daily CSO Inspection Paxton Creek	31969	12-10-19		31
Daily CSO Inspection Paxton Creek	31997	12-11-19		31
Daily CSO Inspection Paxton Creek	32013	12-12-19		31
Daily CSO Inspection Paxton Creek	32040	12-13-19		31
Daily CSO Inspection Paxton Creek	32082	12-14-19		31
Daily CSO Inspection Paxton Creek	32109	12-15-19		31

Description	Work Order Id	Actual Finish	Address	Total Assets
Daily CSO Inspection Paxton Creek	32111	12-16-19		31
Daily CSO Inspection Paxton Creek	32126	12-17-19		31
Daily CSO Inspection Paxton Creek	32156	12-18-19		31
Daily CSO Inspection Paxton Creek	32183	12-19-19		31
Daily CSO Inspection Paxton Creek	32222	12-20-19		31
Daily CSO Inspection Paxton Creek	32250	12-21-19		31
Daily CSO Inspection Paxton Creek	32264	12-22-19		31
Daily CSO Inspection Paxton Creek	32269	12-23-19		31
Daily CSO Inspection Paxton Creek	32284	12-24-19		31
Daily CSO Inspection Paxton Creek	32328	12-25-19		31
Daily CSO Inspection Paxton Creek	32338	12-26-19		31
Daily CSO Inspection Paxton Creek	32340	12-27-19		31
Daily CSO Inspection Paxton Creek	32348	12-28-19		31
Daily CSO Inspection Paxton Creek	32380	12-29-19		31
Daily CSO Inspection Paxton Creek	32383	12-30-19		31
Daily CSO Inspection Paxton Creek	32396	12-31-19		31
Flush Sewer Pipe	23178	1-2-19		1
Flush Sewer Pipe	15584	1-16-19	TENTH ST & SHANNON ST	3
Flush Sewer Pipe	23740	1-29-19	2409 KENSINGTON ST, 17104	2
Flush Sewer Pipe	23974	2-6-19	455 Hale Ave (Rear)	2
Flush Sewer Pipe	24064	2-9-19	2318 BERRYHILL ST	2
Flush Sewer Pipe	24061	2-11-19	2472 MARKET ST	2
Flush Sewer Pipe	24247	2-16-19	Benton St.	1
Flush Sewer Pipe	24213	2-16-19	Derry St.	1
Flush Sewer Pipe	24226	2-16-19	Benton St.	1
Flush Sewer Pipe	24227	2-16-19	Benton St.	1

Description	Work Order Id	Actual Finish	Address	Total Assets
Flush Sewer Pipe	24230	2-16-19	230 HAMILTON ST	1
Flush Sewer Pipe	24207	2-16-19	Derry ST.	1
Flush Sewer Pipe	24208	2-16-19	Derry to Melrose	1
Flush Sewer Pipe	24209	2-16-19	Derry St.	1
Flush Sewer Pipe	24210	2-16-19	23rd	1
Flush Sewer Pipe	24211	2-16-19	23rd	1
Flush Sewer Pipe	24243	2-19-19	Melrose St	1
Flush Sewer Pipe	24231	2-19-19	Greenwood St.	1
Flush Sewer Pipe	24232	2-19-19	Greenwood St.	1
Flush Sewer Pipe	24233	2-19-19	Greenwood St	1
Flush Sewer Pipe	24234	2-19-19	22nd St.	1
Flush Sewer Pipe	24235	2-19-19	22nd St.	1
Flush Sewer Pipe	24237	2-19-19	Woodlawn St.	1
Flush Sewer Pipe	24240	2-19-19	Melrose	1
Flush Sewer Pipe	24450	2-22-19	woodlawn and goodyear	1
Flush Sewer Pipe	24451	2-22-19	Woodlawn St.	1
Flush Sewer Pipe	24454	2-22-19	23rd s. Derry	1
Flush Sewer Pipe	24455	2-22-19	23rd and woodlawn	1
Flush Sewer Pipe	24456	2-22-19	2307 LUCE ST, 17104	1
Flush Sewer Pipe	24457	2-22-19	2327 LUCE ST, 17104	1
Flush Sewer Pipe	24458	2-22-19	2357 LUCE ST, 17104	1
Flush Sewer Pipe	24459	2-22-19	821 ELDER ST, 17111	1
Flush Sewer Pipe	24460	2-22-19	elder S. of Derry	1
Flush Sewer Pipe	24461	2-22-19	2359 WOODLAWN ST, 17104	1
Flush Sewer Pipe	24469	2-25-19	24th Street	1
Flush Sewer Pipe	24464	2-25-19	Benton street	1
Flush Sewer Pipe	24466	2-25-19	Benton Street	1
Flush Sewer Pipe	24467	2-25-19	Benton Street	1
Flush Sewer Pipe	24475	2-26-19	2515 SECOND ST	1
Flush Sewer Pipe	24892	3-14-19	26th & Greenwood	1
Flush Sewer Pipe	24895	3-14-19	26th & Greenwood	1
Flush Sewer Pipe	24898	3-14-19	Brookwood & 25th	1
Flush Sewer Pipe	24886	3-14-19	Greenwood & 27th	1
Flush Sewer Pipe	24887	3-14-19	27th & Greenwood	1
Flush Sewer Pipe	24888	3-14-19	Greenwood & 27th	1
Flush Sewer Pipe	24889	3-14-19	26th	1
Flush Sewer Pipe	25000	3-15-19	BerryHill & Hatton	1
Flush Sewer Pipe	25002	3-15-19	Berryhill	1
Flush Sewer Pipe	25014	3-15-19	25th & Barkley Lane	1
Flush Sewer Pipe	25006	3-15-19	Adrian	1
Flush Sewer Pipe	25008	3-15-19	Adrian & 25th	1
Flush Sewer Pipe	25009	3-15-19	25th & Barkley Lane	1
Flush Sewer Pipe	25010	3-15-19	Barkley Lane (culdasac)	1

CAPITAL REGION WATER
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Description	Work Order Id	Actual Finish	Address	Total Assets
Flush Sewer Pipe	25004	3-15-19	Berryhill & 25th	1
Flush Sewer Pipe	25132	3-18-19	Cameron	1
Flush Sewer Pipe	25133	3-18-19	Cameron & Shanois	1
Flush Sewer Pipe	25125	3-20-19	Mercer	1
Flush Sewer Pipe	25126	3-20-19	Mercer & 25th	1
Flush Sewer Pipe	25127	3-20-19	25th & Mercer	1
Flush Sewer Pipe	25190	3-25-19	29th	1
Flush Sewer Pipe	25191	3-25-19	29th & Brookwood	1
Flush Sewer Pipe	25192	3-25-19	Brookwood & 29th	1
Flush Sewer Pipe	25217	3-25-19	Brookwood	1
Flush Sewer Pipe	25220	3-25-19	Brookwood	1
Flush Sewer Pipe	25221	3-25-19	Brookwood & 25th	1
Flush Sewer Pipe	25271	3-26-19	Brookwood & Immel	1
Flush Sewer Pipe	25216	3-26-19	Brookwood	1
Flush Sewer Pipe	25276	3-27-19	Duke & 26th	1
Flush Sewer Pipe	25272	3-27-19	Duke & Immel	1
Flush Sewer Pipe	25273	3-27-19	Duke & 26th	1
Flush Sewer Pipe	25274	3-27-19	26th & Duke	1
Flush Sewer Pipe	25330	3-29-19	Rolston & Pemberton	1
Flush Sewer Pipe	25331	3-29-19	Rollsten & Pemberton	1
Flush Sewer Pipe	25332	3-29-19	Rollston & Pemberton	1
Flush Sewer Pipe	25328	3-29-19	17th & Market	1
Flush Sewer Pipe	25319	3-29-19	622 DAUPHIN ST, 17102	3
Flush Sewer Pipe	25467	4-3-19	25th Street at harrisburg high schoo	3
Flush Sewer Pipe	25589	4-10-19	24th and Central alley	2
Flush Sewer Pipe	25976	4-30-19	9th and cumberland	1
Flush Sewer Pipe	26265	5-8-19	27th St.	1
Flush Sewer Pipe	26266	5-8-19	27th St.	1
Flush Sewer Pipe	26272	5-8-19	Raleigh St.	1
Flush Sewer Pipe	26269	5-8-19	27th St.	1
Flush Sewer Pipe	26263	5-8-19	28th St.	1
Flush Sewer Pipe	26372	5-9-19	25th to Greenwood	1
Flush Sewer Pipe	26362	5-9-19	26th	1
Flush Sewer Pipe	26365	5-9-19	26th & Woodlawn	1
Flush Sewer Pipe	26366	5-9-19	26th	1
Flush Sewer Pipe	26367	5-9-19	Raleigh	1
Flush Sewer Pipe	26368	5-9-19	Raleigh to 25th	1
Flush Sewer Pipe	26370	5-9-19	25th	1
Flush Sewer Pipe	26403	5-10-19	Brookwood	1
Flush Sewer Pipe	26404	5-10-19	24th	1
Flush Sewer Pipe	26405	5-10-19	24th	1
Flush Sewer Pipe	26400	5-10-19	19th	2
Flush Sewer Pipe	26408	5-10-19	24th Street & Ellerslie & Raleigh	1

CAPITAL REGION WATER
Collection System Activity Report
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Description	Work Order Id	Actual Finish	Address	Total Assets
Flush Sewer Pipe	26411	5-10-19	Raleigh	1
Flush Sewer Pipe	26412	5-10-19	Raleigh	1
Flush Sewer Pipe	26413	5-10-19	Raleigh	1
Flush Sewer Pipe	26414	5-10-19	25th Street	1
Flush Sewer Pipe	26415	5-10-19	Woodlawn Street	1
Flush Sewer Pipe	26416	5-10-19	Woodlawn & 24th Street	1
Flush Sewer Pipe	26787	5-29-19	19th Street & Lenox	2
Flush Sewer Pipe	27501	6-4-19	Brookwood	1
Flush Sewer Pipe	27502	6-4-19	Brookwood & Girard St.	1
Flush Sewer Pipe	27507	6-4-19	Brookwood & 21st	1
Flush Sewer Pipe	27976	7-9-19	21st and Boas	1
Flush Sewer Pipe	27984	7-9-19	21st and Forster st	1
Flush Sewer Pipe	27987	7-9-19	Forster st to Poplar	1
Flush Sewer Pipe	27988	7-9-19	Poplar st	1
Flush Sewer Pipe	27994	7-9-19	Poplar st	1
Flush Sewer Pipe	27995	7-11-19	Briggs st	1
Flush Sewer Pipe	27997	7-11-19	Poplar st	1
Flush Sewer Pipe	27932	7-16-19	22nd & Greenwood	1
Flush Sewer Pipe	28000	7-19-19	North Street	1
Flush Sewer Pipe	28003	7-19-19	North Street	1
Flush Sewer Pipe	28006	7-19-19	Linn Street	1
Flush Sewer Pipe	28081	7-23-19	1255 Kittatinny st	1
Flush Sewer Pipe	28225	7-23-19	Brown st	1
Flush Sewer Pipe	29460	7-24-19	Verbeke st	1
Flush Sewer Pipe	29462	7-25-19	Logan & Clinton	1
Flush Sewer Pipe	29455	7-26-19	York st	1
Flush Sewer Pipe	28227	7-30-19	Poplar st	1
Flush Sewer Pipe	28230	7-30-19	Poplar st	1
Flush Sewer Pipe	28232	7-30-19	Poplar st	1
Flush Sewer Pipe	28236	7-30-19	Poplar st	1
Flush Sewer Pipe	28239	7-30-19	Poplar st	1
Flush Sewer Pipe	28251	7-30-19	Poplar st	1
Flush Sewer Pipe	28253	7-30-19	Poplar and Kunkle	1
Flush Sewer Pipe	28285	7-31-19	verbeke & Capital	1
Flush Sewer Pipe	28286	7-31-19	verbeke	1
Flush Sewer Pipe	28289	7-31-19	Verbeke st	1
Flush Sewer Pipe	28311	7-31-19	20th & primrose st	1
Flush Sewer Pipe	28301	7-31-19	Verbeke (North side of market)	1
Flush Sewer Pipe	28280	7-31-19	Williams & Verbeke	2
Flush Sewer Pipe	28281	7-31-19	Verbeke & Fulton	1
Flush Sewer Pipe	28297	7-31-19	Verbeke st	1
Flush Sewer Pipe	28319	7-31-19	Boas st	1
Flush Sewer Pipe	29486	8-4-19	Duke st	1

CAPITAL REGION WATER
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Description	Work Order Id	Actual Finish	Address	Total Assets
Flush Sewer Pipe	29493	8-4-19	Duke st	1
Flush Sewer Pipe	29451	8-4-19	29th st	1
Flush Sewer Pipe	29452	8-4-19	29th st	1
Flush Sewer Pipe	29474	8-4-19	Brookwood and Immel st	1
Flush Sewer Pipe	28612	8-8-19	Market st	1
Flush Sewer Pipe	28712	8-8-19	market st	1
Flush Sewer Pipe	28721	8-8-19	Market st	1
Flush Sewer Pipe	28495	8-8-19	Linn and Primrose	1
Flush Sewer Pipe	28497	8-8-19	Primrose	1
Flush Sewer Pipe	29508	8-9-19	Kittatinny to 13th	1
Flush Sewer Pipe	29503	8-9-19	Kittatinny st	1
Flush Sewer Pipe	29831	8-10-19	25th	1
Flush Sewer Pipe	29832	8-10-19	25th st	1
Flush Sewer Pipe	29834	8-10-19	Mercer st	1
Flush Sewer Pipe	29838	8-10-19	Greenwood to 26th	1
Flush Sewer Pipe	25012	8-10-19	25th & Barkley Lane	1
Flush Sewer Pipe	29842	8-11-19	Market and 16th st	1
Flush Sewer Pipe	29847	8-12-19	Mulberry st	1
Flush Sewer Pipe	29849	8-12-19	7th St	1
Flush Sewer Pipe	29851	8-13-19	7th st	1
Flush Sewer Pipe	29536	8-14-19	7th st	1
Flush Sewer Pipe	29522	8-14-19	13th & Bailey st	1
Flush Sewer Pipe	29516	8-14-19	13th & Bailey st	1
Flush Sewer Pipe	29281	8-15-19	4th & Reily	1
Flush Sewer Pipe	29523	8-21-19	Briggs st	1
Flush Sewer Pipe	29529	8-21-19	North to 18th st	2
Flush Sewer Pipe	29515	8-21-19	Briggs st	1
Flush Sewer Pipe	29792	8-21-19	Division St.	1
Flush Sewer Pipe	29793	8-21-19	Jefferson St	1
Flush Sewer Pipe	29794	8-21-19	Division St.	1
Flush Sewer Pipe	29471	8-22-19	19th & Primrose st	1
Flush Sewer Pipe	29494	8-23-19	Duke st	1
Flush Sewer Pipe	29497	8-23-19	Hanna to CSO	1
Flush Sewer Pipe	29499	8-23-19	14th and Kittatinny st	1
Flush Sewer Pipe	29790	8-23-19	Clark St.	1
Flush Sewer Pipe	29800	8-23-19	Clark St.	1
Flush Sewer Pipe	29875	8-25-19	Benton st	1
Flush Sewer Pipe	29877	8-27-19	Forester st	1
Flush Sewer Pipe	30083	9-3-19	Geary	1
Flush Sewer Pipe	30079	9-5-19	Jefferson	1
Flush Sewer Pipe	30084	9-6-19		1
Flush Sewer Pipe	30147	9-10-19	Elizabeth Aly	1
Flush Sewer Pipe	29899	9-10-19		1

CAPITAL REGION WATER
Collection System Activity Report
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Description	Work Order Id	Actual Finish	Address	Total Assets
Flush Sewer Pipe	30146	9-11-19	Elizabeth Aly	1
Flush Sewer Pipe	30197	9-25-19	Greenwood st	1
Flush Sewer Pipe	30208	9-26-19	24th st	1
Flush Sewer Pipe	30215	9-26-19	James st	1
Flush Sewer Pipe	30220	9-26-19	James st	1
Flush Sewer Pipe	30226	9-26-19	Derry st	1
Flush Sewer Pipe	30203	9-26-19	24th st	1
Flush Sewer Pipe	30259	9-27-19	State St	1
Flush Sewer Pipe	30261	9-27-19	State St	1
Flush Sewer Pipe	30262	9-27-19	State St	1
Flush Sewer Pipe	30264	9-27-19	State st	1
Flush Sewer Pipe	30266	9-27-19	Lewis st	1
Flush Sewer Pipe	30235	9-27-19	2nd st near North	1
Flush Sewer Pipe	30244	9-27-19	Derry & Kittatinny to 14th	1
Flush Sewer Pipe	30246	9-27-19	15th st	1
Flush Sewer Pipe	30248	9-27-19	Market St (Alexander)	1
Flush Sewer Pipe	30250	9-27-19	State St	1
Flush Sewer Pipe	30425	9-30-19	Girard & Mercer	1
Flush Sewer Pipe	30427	9-30-19	Girard & Mercer	1
Flush Sewer Pipe	30428	9-30-19	Girard & Mercer	1
Flush Sewer Pipe	30509	9-30-19	Girard & Mercer	1
Flush Sewer Pipe	30615	10-2-19	2nd st	1
Flush Sewer Pipe	30630	10-2-19	2ND & MACLAY ST	1
Flush Sewer Pipe	29797	10-2-19	2Nd St.	1
Flush Sewer Pipe	30689	10-10-19	3rd and Blackberry	1
Flush Sewer Pipe	30700	10-10-19	Rolleston st	1
Flush Sewer Pipe	30862	10-17-19	2nd & Cranberry	1
Flush Sewer Pipe	13920	10-17-19	15 & Swatara	1
Flush Sewer Pipe	30948	10-23-19	27th to Woodlawn	1
Flush Sewer Pipe	31134	10-31-19	19th and Bellvue	1
Flush Sewer Pipe	31259	11-2-19	Raleigh st	1
Flush Sewer Pipe	31202	11-3-19	Logan off MaClay st	1
Flush Sewer Pipe	31300	11-12-19	27th and Raleigh	1
Flush Sewer Pipe	31432	11-13-19	Rudy	1
Flush Sewer Pipe	31427	11-14-19	Derry st	1
Flush Sewer Pipe	31310	11-21-19	BENTON & RALEIGH ST	1
Flush Sewer Pipe	31282	11-21-19	TRW	1
Flush Sewer Pipe	31229	11-21-19	Crooked Alley	1
Flush Sewer Pipe	31633	11-21-19	State st	1
Flush Sewer Pipe	31623	11-21-19	State st	1
Flush Sewer Pipe	31624	11-21-19	State st	1
Flush Sewer Pipe	31626	11-21-19	State st	1
Flush Sewer Pipe	31629	11-21-19	State st	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Flush Sewer Pipe	31630	11-21-19	State st	1
Flush Sewer Pipe	31637	11-21-19	State st	1
Flush Sewer Pipe	31638	11-21-19	State st	1
Flush Sewer Pipe	27999	11-21-19	North ST	1
Flush Sewer Pipe	31774	11-22-19	19th st	1
Flush Sewer Pipe	31762	11-22-19	18TH & MILLER STREET	1
Flush Sewer Pipe	31763	11-22-19	LINN & YORK STREET	1
Flush Sewer Pipe	31767	11-22-19	19th and Brown	1
Flush Sewer Pipe	31769	11-22-19	Kunkle	1
Flush Sewer Pipe	31759	11-22-19	LINN & MILLER STREET	1
Flush Sewer Pipe	31771	11-22-19	Boas near Long alley	1
Flush Sewer Pipe	31772	11-22-19	Boas st	1
Flush Sewer Pipe	31754	11-22-19	20th & North Street	1
Flush Sewer Pipe	31736	11-22-19	NORTH & LINN STREET	1
Flush Sewer Pipe	31737	11-22-19	Kunkle	1
Flush Sewer Pipe	31739	11-22-19	Kunkle to 19th	1
Flush Sewer Pipe	31615	11-22-19	Bailey st to Linden	1
Flush Sewer Pipe	31609	11-22-19	Linden to Walnut	1
Flush Sewer Pipe	31694	11-22-19	19TH & YORK STREE	1
Flush Sewer Pipe	31688	11-22-19	REGINA TO 19TH	1
Flush Sewer Pipe	31690	11-22-19	State st	1
Flush Sewer Pipe	31859	11-24-19	19th & Forster St	1
Flush Sewer Pipe	31866	11-30-19	FORSTER TO 18TH ST.	1
Flush Sewer Pipe	31869	11-30-19	York to 18th st	1
Flush Sewer Pipe	31872	11-30-19	Herr to 18th st	1
Flush Sewer Pipe	31874	11-30-19	18th and Forester	1
Flush Sewer Pipe	31876	11-30-19	forester to 17th	1
Flush Sewer Pipe	31878	11-30-19	Forester to 16th	1
Flush Sewer Pipe	31843	11-30-19	York st	1
Flush Sewer Pipe	32053	12-2-19	north 16th street	1
Flush Sewer Pipe	31819	12-2-19	Reily st	1
Flush Sewer Pipe	31821	12-2-19	12th & goodwill dr	1
Flush Sewer Pipe	31835	12-2-19	18th Street	1
Flush Sewer Pipe	31838	12-2-19	18TH & FORSTER	1
Flush Sewer Pipe	31842	12-2-19	19th and York	1
Flush Sewer Pipe	31849	12-2-19	Boas to 18th	1
Flush Sewer Pipe	31850	12-2-19	19th	1
Flush Sewer Pipe	32057	12-3-19	Walnut and Linn Street	1
Flush Sewer Pipe	32059	12-3-19	Walnut and 19th street	1
Flush Sewer Pipe	32062	12-3-19	walnut street (near 18th street)	1
Flush Sewer Pipe	31857	12-3-19	19th and Forester	1
Flush Sewer Pipe	31854	12-3-19	19th st to Forster	1
Flush Sewer Pipe	32027	12-6-19	1518 Naudain St	1

CAPITAL REGION WATER
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Description	Work Order Id	Actual Finish	Address	Total Assets
Flush Sewer Pipe	32075	12-6-19	18th Street (near Regina Street)	1
Flush Sewer Pipe	32077	12-6-19	18th street (near Carnation street)	1
Flush Sewer Pipe	32078	12-6-19	18th street (near walnut street)	1
Flush Sewer Pipe	32063	12-6-19	reservoir street	1
Flush Sewer Pipe	32064	12-6-19	20th and whitehall street	1
Flush Sewer Pipe	32067	12-6-19	20th street (near Park street)	1
Flush Sewer Pipe	32068	12-6-19	20th street (near market street)	1
Flush Sewer Pipe	32071	12-6-19	Regina Street	1
Flush Sewer Pipe	32072	12-6-19	Regina Street	1
Flush Sewer Pipe	32080	12-7-19	Bellevue road (near 20th)	1
Flush Sewer Pipe	32087	12-13-19	Bellevue Road	1
Flush Sewer Pipe	32088	12-13-19	20th street (Between Bellvue and M	1
Flush Sewer Pipe	32162	12-17-19	19th & Walnut st to Lynn st	1
Flush Sewer Pipe	32135	12-17-19	Bellevue & Hillside Road	1
Flush Sewer Pipe	32137	12-17-19	Chestnut St & S 22nd St, Harrisburg,	1
Flush Sewer Pipe	32157	12-17-19	16th & Paxton	1
Flush Sewer Pipe	32139	12-17-19	Chestnut St & S 21st St, Harrisburg,	1
Flush Sewer Pipe	32140	12-17-19	Austin St & S 21st St, Harrisburg, Pe	1
Flush Sewer Pipe	32142	12-17-19	Zarker St & S 21st St, Harrisburg, Pe	1
Flush Sewer Pipe	32145	12-17-19	Market St & S 21st St, Harrisburg, Pe	1
Flush Sewer Pipe	32146	12-17-19	Industrial Rd, Harrisburg, Pennsylva	1
Flush Sewer Pipe	32147	12-17-19	Walnut St & N 20th St, Harrisburg, P	1
Flush Sewer Pipe	32469	12-19-19	3rd and blackberry	1
Flush Sewer Pipe	32203	12-19-19	Regina & Reservoir St.	1
Flush Sewer Pipe	32204	12-19-19	N 18th St & Reservoir Dr, Harrisburg	1
Flush Sewer Pipe	32205	12-19-19	N 20th St & Whitehall St, Harrisburg	1
Flush Sewer Pipe	32206	12-19-19	N 20th St & Ethel St, Harrisburg, Per	1
Flush Sewer Pipe	32207	12-19-19	S 20th St & Market St, Harrisburg, P	1
Flush Sewer Pipe	32208	12-19-19	S 22nd St & Bellevue Rd, Harrisburg,	1
Flush Sewer Pipe	32210	12-19-19	S 20th St & Bellevue Rd, Harrisburg,	1
Flush Sewer Pipe	32211	12-19-19	S 20th St & Bellevue Rd, Harrisburg,	1
Flush Sewer Pipe	32212	12-19-19	Mercer St & Girard St, Harrisburg, P	1
Flush Sewer Pipe	32214	12-19-19	Mercer St & Girard St, Harrisburg, P	1
Flush Sewer Pipe	32216	12-19-19	Mercer St & Girard St, Harrisburg, P	1
Flush Sewer Pipe	32217	12-19-19	Mercer St & Girard St, Harrisburg, P	1
Flush Sewer Pipe	32132	12-19-19	Greenbelt from CRW to Swatara tw	1
Flush Sewer Pipe	32475	12-20-19	Sassafrass to 14th	1
Flush Sewer Pipe	32477	12-20-19	Sassafras	1
Flush Sewer Pipe	32478	12-20-19	Cumberland and Flor	1
Flush Sewer Pipe	32480	12-20-19	Cumberland to 13th	1
Flush Sewer Pipe	32481	12-20-19	14th to Sassafras	1
Flush Sewer Pipe	32483	12-20-19	Cumberland to 14th	1
Flush Sewer Pipe	32252	12-20-19	2407 Kensington St	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Flush Sewer Pipe	32465	12-21-19	Central Alley & 24th	1
Flush Sewer Pipe	32461	12-21-19	Central Alley	1
Flush Sewer Pipe	32443	12-21-19		1
Flush Sewer Pipe	32448	12-21-19	Bob Alley	1
Flush Sewer Pipe	32451	12-21-19	Central Alley	1
Flush Sewer Pipe	32457	12-21-19	Central Alley	1
Grounds Maintenance	25607	4-12-19		1
Grounds Maintenance	25205	5-1-19		10
Grounds Maintenance	27225	6-11-19	North Cameron and South Cumberla	2
Grounds Maintenance	27233	6-12-19	South and North Mulberry and Cam	2
Grounds Maintenance	27237	6-12-19	Cameron & Magnolia	1
Grounds Maintenance	27239	6-12-19	10th and Shannon	1
Grounds Maintenance	29300	8-15-19	Front & Schuylkill	1
Grounds Maintenance	29298	8-16-19		2
Grounds Maintenance Pumping Station	27164	6-7-19	Front St. Pump Station	1
Grounds Maintenance Pumping Station	27167	6-7-19	Market St.	1
Grounds Maintenance Pumping Station	27170	6-11-19	Spring Creek Pump Station	1
Grounds Maintenance Pumping Station	27230	6-27-19	Front St. Pump Station	1
Grounds Maintenance Pumping Station	27554	7-15-19	Spring Creek Pump Station	1
Grounds Maintenance Pumping Station	28135	7-25-19	Spring Creek Pump Station	1
Grounds Maintenance Pumping Station	28134	7-26-19	Front St. Pump Station	1
Grounds Maintenance Pumping Station	29931	8-22-19	Market St.	1
Grounds Maintenance Pumping Station	28142	8-22-19	Front St. Pump Station	1
Grounds Maintenance Pumping Station	27232	8-22-19	Market St.	1
Grounds Maintenance Pumping Station	28136	8-23-19	Spring Creek Pump Station	1
Grounds Maintenance Pumping Station	29487	9-11-19	Spring Creek Pump Station	1
Grounds Maintenance Pumping Station	29480	9-11-19	Front St. Pump Station	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Grounds Maintenance Pumping Station	29936	9-11-19	Market St.	1
Inspect Sewer Lateral	26929	6-4-19	1220 Bailey St	1
Inspect Sewer Manhole Cover	23094	1-18-19	19th St. East	30
Inspect Sewer Manhole Cover	23096	1-18-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	23580	2-26-19	19th St. East	30
Inspect Sewer Manhole Cover	23581	2-26-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	24419	3-27-19	19th St. East	30
Inspect Sewer Manhole Cover	24420	3-27-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	25228	4-15-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	25244	4-15-19	19th St. East	30
Inspect Sewer Manhole Cover	25665	5-16-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	25653	5-16-19	19th St. East	30
Inspect Sewer Manhole Cover	26906	6-19-19	19th St. East	30
Inspect Sewer Manhole Cover	26907	6-19-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	27490	7-18-19	19th St. East	30
Inspect Sewer Manhole Cover	27493	7-18-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	27968	8-21-19	19th St. East	30
Inspect Sewer Manhole Cover	27969	8-21-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	29418	9-9-19	19th St. East	30
Inspect Sewer Manhole Cover	29419	9-9-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	29862	10-25-19	19th St. East	30
Inspect Sewer Manhole Cover	29870	10-25-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Manhole Cover	31075	11-15-19	19th St. East	30
Inspect Sewer Manhole Cover	31076	11-15-19	CAMERON ST & CAMERON PARK DR	24
Inspect Sewer Pipe	9074	3-19-19	30 N. 3rd Street	1
Inspect Sewer Pipe	9075	3-19-19	17 3rd street	1
Lagoon Maintenance - CSO Chamber Cleaning	32191	12-19-19		1
Plate Sinkhole or Pending Work	22780	1-2-19	front and south	1
Plate Sinkhole or Pending Work	19252	1-28-19	1839 SPENCER ST	2
Plate Sinkhole or Pending Work	25457	4-5-19	Muench st	2
Plate Sinkhole or Pending Work	24407	4-22-19	Muench st	2
Plate Sinkhole or Pending Work	11869	5-31-19	Cameron and state CSO	1
Plate Sinkhole or Pending Work	26209	7-12-19	10th and Market	2
Plate Sinkhole or Pending Work	27037	7-23-19	Williams to Verbeke	2
Plate Sinkhole or Pending Work	27630	7-31-19	2nd and Strawberry	2
Plate Sinkhole or Pending Work	29339	8-27-19	4th st near Sayford	2

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Description	Work Order Id	Actual Finish	Address	Total Assets
Plate Sinkhole or Pending Work	19427	9-16-19	21 North 18th st	1
Plate Sinkhole or Pending Work	11834	9-17-19	2043 chestnut	2
Plate Sinkhole or Pending Work	18466	9-27-19	Market st near Whitaker center	1
Plate Sinkhole or Pending Work	27810	10-21-19	159 Royal Terrace	2
Plate Sinkhole or Pending Work	28498	12-9-19	Balm and Walnut	1
Plate Sinkhole or Pending Work	29564	12-12-19	15th and North	2
Plate Sinkhole or Pending Work	29563	12-31-19	15th and North	1
Raise/Lower Sewer Manhole	25275	4-22-19	Sycamore St Between 14th & 15Th	2
Raise/Lower Sewer Manhole	30894	10-23-19	27th to Woodlawn	1
Raise/Lower Sewer Manhole	31317	11-8-19	TWENTY-FIRST ST & MARKET ST, 17:	1
Raise/Lower Sewer Manhole	31378	11-25-19	Jefferson St	1
Raise/Lower Sewer Manhole	13544	12-11-19	McCleaster	1
Repair CSO Chamber	30821	10-23-19	East cameron and walnut	1
Repair CSO Chamber	31174	11-1-19	Walnut & 10th	1
Repair Outfall	25466	4-9-19	shannois St.	1
Repair Sewer Lateral	27306	4-2-19	1607 DERRY ST	1
Repair Sewer Manhole	24511	3-7-19	560 ALRICKS ST	1
Repair Sewer Manhole	24828	3-18-19	Lenox St & South 20th St	1
Repair Sewer Manhole	25897	4-26-19	3rd & Pine	1
Repair Sewer Manhole	14548	5-13-19	THOMAS ST & MARKET ST, 17103	1
Repair Sewer Manhole	26533	5-16-19	2500 N 5th st	1
Repair Sewer Manhole	26594	6-8-19	1736 HERR ST	1
Repair Sewer Manhole	27828	7-12-19	10th and Market	1
Repair Sewer Manhole	27690	7-14-19	Green and Woodbine	1
Repair Sewer Manhole	5103	7-16-19	SUMMIT ST & WALNUT ST	1
Repair Sewer Manhole	28056	7-28-19	2nd and Strawberry	2
Repair Sewer Manhole	28086	8-9-19	Chestnut & 2nd	1
Repair Sewer Manhole	28241	8-9-19	2nd St & Chestnut St	1
Repair Sewer Manhole	28994	8-12-19		1
Repair Sewer Manhole	29367	8-19-19		1
Repair Sewer Manhole	29340	8-24-19	SECOND ST & WICONISCO ST	1
Repair Sewer Manhole	30319	9-30-19	Girard & Mercer	1
Repair Sewer Manhole	30775	10-15-19	Derry st near 14th	2
Repair Sewer Manhole	30854	10-18-19	3rd St & Pine St	1
Repair Sewer Manhole	31026	11-2-19	THIRTEENTH ST & STATE ST	1
Repair Sewer Manhole	16354	11-14-19	Thomas & Market St.	1
Repair Sewer Manhole	21679	12-12-19	Alricks and 6th	1
Repair Sewer Manhole	15324	12-24-19	2700 Rudy Road	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Repair Sewer Pipe	21876	1-11-19	HOLLY ST & CARLISLE ST	2
Repair Sewer Pipe	23478	1-15-19	18th & Derry	1
Repair Sewer Pipe	18408	1-24-19	MEADOWLARK PL	1
Repair Sewer Pipe	19170	2-22-19	1839 SPENCER ST	2
Repair Sewer Pipe	7280	2-26-19	cso64	1
Repair Sewer Pipe	24408	3-8-19	2515 North 2nd st	1
Repair Sewer Pipe	11835	4-3-19	2043 Chestnut st	2
Repair Sewer Pipe	8247	4-23-19	2939 Croyden Rd.	2
Repair Sewer Pipe	23809	4-23-19	muench near 3rd st	1
Repair Sewer Pipe	23170	4-26-19	South & River St	1
Repair Sewer Pipe	11938	4-30-19	1414 Sycamore st	2
Repair Sewer Pipe	25930	5-2-19	Liberty st	1
Repair Sewer Pipe	5934	5-9-19	Buttonwood	2
Repair Sewer Pipe	7969	5-9-19	1525 SYCAMORE ST	2
Repair Sewer Pipe	26690	5-23-19	Rumson dr	1
Repair Sewer Pipe	3043	6-14-19	1400 block Scott st	1
Repair Sewer Pipe	18465	7-10-19	Market st sinkhole	2
Repair Sewer Pipe	26214	7-12-19	10th and Market	2
Repair Sewer Pipe	27038	7-26-19	Williams to Verbeke	2
Repair Sewer Pipe	27044	8-7-19	Verbeke and James st	1
Repair Sewer Pipe	29578	9-5-19	4th st near Sayford	2
Repair Sewer Pipe	30684	10-8-19	Christian St	1
Repair Sewer Pipe	30133	10-15-19	2nd st near North	1
Repair Sewer Pipe	30690	10-15-19	Derry st near 14th	1
Repair Sewer Pipe	30897	10-24-19	Sycamore st	1
Repair Sewer Pipe	29491	12-6-19	Balm and Walnut	1
Repair Sewer Pipe	29566	12-16-19	15th and North	1
Repair Sewer Pipe	32187	12-18-19	1836 State St	1
Replace Sewer Manhole Cover	25600	4-12-19	1015 Front Street	1
Replace Sewer Manhole Cover	26654	5-22-19	Industrial Road	1
Replace Sewer Manhole Cover	24242	12-4-19	Woodlawn Street & Melrose Street	1
Replace Sewer Manhole Cover	31161	12-6-19	cso#18 Flood Chamber	1
Replace Sewer Manhole Cover	24462	12-9-19	2359 WOODLAWN ST, 17104	1
Replace Sewer Pipe	24811	5-24-19	Muench st	2
Semi-Annual PM; CSO Type A	20940	4-2-19	10th & Chestnut	1
Semi-Annual PM; CSO Type A	21065	4-3-19	FRONT & SOUTH	1
Semi-Annual PM; CSO Type A	21095	4-3-19	FRONT & PEFFER	1
Semi-Annual PM; CSO Type A	21096	4-3-19	FRONT & REILY	1
Semi-Annual PM; CSO Type A	21099	4-3-19	FRONT & VERBEKE	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Semi-Annual PM; CSO Type A	21123	4-4-19	CAMERON & SCHUYLKILL	1
Semi-Annual PM; CSO Type A	21082	4-6-19	10TH & MARKET	1
Semi-Annual PM; CSO Type A	21342	4-6-19	9TH & HERR	1
Semi-Annual PM; CSO Type A	20932	4-7-19	S. KITTATINNY & CAMERON	1
Semi-Annual PM; CSO Type A	20982	4-7-19	S. Mulberry & Cameron	1
Semi-Annual PM; CSO Type A	21040	4-7-19	N. KITTATINNY & CAMERON	1
Semi-Annual PM; CSO Type A	21777	4-7-19	S. MARKET & CAMERON	1
Semi-Annual PM; CSO Type A	20979	4-8-19	N. CAMERON & CUMBERLAND	1
Semi-Annual PM; CSO Type A	21064	4-8-19	FRONT & STATE	1
Semi-Annual PM; CSO Type A	21092	4-8-19	FRONT & MARKET	1
Semi-Annual PM; CSO Type A	21129	4-8-19	FRONT & LOCUST	1
Semi-Annual PM; CSO Type A	21063	4-9-19	FRONT & LIBERTY	1
Semi-Annual PM; CSO Type A	21147	4-9-19	FRONT & CUMBERLAND	1
Semi-Annual PM; CSO Type A	21091	4-14-19	FRONT & WALNUT	1
Semi-Annual PM; CSO Type A	21094	4-14-19	FRONT & GEIGER	1
Semi-Annual PM; CSO Type A	20980	4-18-19	E. CAMERON & NORTH	1
Semi-Annual PM; CSO Type A	20981	4-18-19	W. CAMERON & NORTH	1
Semi-Annual PM; CSO Type A	21066	4-22-19	FRONT & PINE	1
Semi-Annual PM; CSO Type A	21097	4-22-19	FRONT & CALDER	1
Semi-Annual PM; CSO Type A	21125	4-22-19	FRONT & LEWIS	1
Semi-Annual PM; CSO Type A	21144	4-22-19	FRONT & SCHUYLKILL	1
Semi-Annual PM; CSO Type A	21350	4-22-19	FRONT & MULBERRY	1
Semi-Annual PM; CSO Type A	21548	4-22-19	Front & Forster	1
Semi-Annual PM; CSO Type A	21346	4-23-19	CAMERON & STATE	1
Semi-Annual PM; CSO Type A	21348	4-23-19	FRONT & HAMILTON	1
Semi-Annual PM; CSO Type A	21457	4-28-19	10TH & SHANNON	1
Semi-Annual PM; CSO Type A	21562	5-1-19	SENECA & SUSQUEHANNA	1
Semi-Annual PM; CSO Type A	21564	5-2-19	WOODBINE & GREEN	1
Semi-Annual PM; CSO Type A	21570	5-4-19	FRONT & MUENCH	1
Semi-Annual PM; CSO Type A	21343	5-4-19	CHERRY & MULBERRY	1
Semi-Annual PM; CSO Type A	25545	7-15-19	FRONT & STATE	1
Semi-Annual PM; CSO Type A	25440	7-15-19	FRONT & PEFFER	1
Semi-Annual PM; CSO Type A	26123	7-15-19	FRONT & MUENCH	1
Semi-Annual PM; CSO Type A	25808	9-4-19	FRONT & SCHUYLKILL	1
Semi-Annual PM; CSO Type A	25515	9-7-19	9TH & HERR	1
Semi-Annual PM; CSO Type A	25533	9-7-19	10TH & MARKET	1
Semi-Annual PM; CSO Type A	25409	9-10-19	10th & Chestnut	1
Semi-Annual PM; CSO Type A	25785	9-10-19	E. CAMERON & NORTH	1
Semi-Annual PM; CSO Type A	27911	9-22-19	FRONT & PEFFER	1
Semi-Annual PM; CSO Type A	25513	10-4-19	CAMERON & SCHUYLKILL	1
Semi-Annual PM; CSO Type A	25531	10-7-19	N. CAMERON & CUMBERLAND	1
Semi-Annual PM; CSO Type A	25786	10-10-19	W. CAMERON & NORTH	1
Semi-Annual PM; CSO Type A	25538	10-13-19	N. KITTATINNY & CAMERON	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Semi-Annual PM; CSO Type A	25541	10-13-19	S. KITTATINNY & CAMERON	1
Semi-Annual PM; CSO Type A	25803	10-16-19	FRONT & LEWIS	1
Semi-Annual PM; CSO Type A	25549	10-18-19	FRONT & LOCUST	1
Semi-Annual PM; CSO Type A	25444	10-18-19	FRONT & SOUTH	1
Semi-Annual PM; CSO Type A	25806	10-18-19	FRONT & PINE	1
Semi-Annual PM; CSO Type A	27912	10-18-19	FRONT & STATE	1
Semi-Annual PM; CSO Type A	25568	10-21-19	FRONT & CUMBERLAND	1
Semi-Annual PM; CSO Type A	25667	10-21-19	FRONT & WALNUT	1
Semi-Annual PM; CSO Type A	25441	10-21-19	FRONT & REILY	1
Semi-Annual PM; CSO Type A	25442	10-21-19	FRONT & VERBEKE	1
Semi-Annual PM; CSO Type A	25805	10-21-19	FRONT & CALDER	1
Semi-Annual PM; CSO Type A	25569	10-23-19	FRONT & LIBERTY	1
Semi-Annual PM; CSO Type A	25666	10-23-19	FRONT & GEIGER	1
Semi-Annual PM; CSO Type A	25518	10-23-19	S. MARKET & CAMERON	1
Semi-Annual PM; CSO Type A	25935	10-26-19	10TH & SHANNON	1
Semi-Annual PM; CSO Type A	25547	10-28-19	FRONT & MARKET	1
Semi-Annual PM; CSO Type A	25804	10-28-19	Front & Forster	1
Semi-Annual PM; CSO Type A	25824	10-28-19	CAMERON & STATE	1
Semi-Annual PM; CSO Type A	26122	10-29-19	CHERRY & MULBERRY	1
Semi-Annual PM; CSO Type A	25809	10-29-19	FRONT & MULBERRY	1
Semi-Annual PM; CSO Type A	25825	10-29-19	FRONT & HAMILTON	1
Semi-Annual PM; CSO Type A	26019	10-30-19	SENECA & SUSQUEHANNA	1
Semi-Annual PM; CSO Type A	26086	10-30-19	WOODBINE & GREEN	1
Semi-Annual PM; CSO Type A	27913	10-30-19	FRONT & MUENCH	1
Semi-Annual PM; CSO Type A	25534	11-15-19	S. Mulberry & Cameron	1
Semi-Annual PM; CSO Type B	20946	4-2-19	W. CAMERON & WALNUT	1
Semi-Annual PM; CSO Type B	21146	4-5-19	FRONT & PAXTON	1
Semi-Annual PM; CSO Type B	21042	4-6-19	9TH & CUMBERLAND	1
Semi-Annual PM; CSO Type B	20941	4-6-19	E. CAMERON & WALNUT	1
Semi-Annual PM; CSO Type B	20938	4-7-19	N.MULBERRY & CAMERON	1
Semi-Annual PM; CSO Type B	20935	4-8-19	S. CAMERON & CUMBERLAND	1
Semi-Annual PM; CSO Type B	21126	4-9-19	FRONT & HANNA	1
Semi-Annual PM; CSO Type B	21128	4-9-19	FRONT & TUSCARORA	1
Semi-Annual PM; CSO Type B	21270	4-18-19	FORREST & CAMERON	1
Semi-Annual PM; CSO Type B	21124	4-22-19	FRONT & VAUGHN	1
Semi-Annual PM; CSO Type B	25516	9-7-19	9TH & CUMBERLAND	1
Semi-Annual PM; CSO Type B	25532	10-7-19	S. CAMERON & CUMBERLAND	1
Semi-Annual PM; CSO Type B	25768	10-7-19	FORREST & CAMERON	1
Semi-Annual PM; CSO Type B	25571	10-9-19	FRONT & TUSCARORA	1
Semi-Annual PM; CSO Type B	25570	10-10-19	FRONT & HANNA	1
Semi-Annual PM; CSO Type B	25550	10-11-19	FRONT & PAXTON	1
Semi-Annual PM; CSO Type B	25517	10-13-19	E. CAMERON & WALNUT	1
Semi-Annual PM; CSO Type B	25410	10-15-19	W. CAMERON & WALNUT	1

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Semi-Annual PM; CSO Type B	25535	10-15-19	N.MULBERRY & CAMERON	1
Semi-Annual PM; CSO Type B	25802	10-16-19	FRONT & VAUGHN	1
Semi-Annual PM; CSO Type C	20943	4-2-19	SHANOIS STREET	1
Semi-Annual PM; CSO Type C	20944	4-2-19	SALMON STREET	1
Semi-Annual PM; CSO Type C	20948	4-2-19	CAMERON & MAGNOLIA	1
Semi-Annual PM; CSO Type C	20949	4-2-19	CAMERON & HANOVER	1
Semi-Annual PM; CSO Type C	21100	4-3-19	FRONT & BOAS	1
Semi-Annual PM; CSO Type C	20931	4-6-19	10TH & SYCAMORE	1
Semi-Annual PM; CSO Type C	21041	4-6-19	HILL CHAMBER T.R.W.	1
Semi-Annual PM; CSO Type C	25573	9-5-19	CAMERON & HANOVER	1
Semi-Annual PM; CSO Type C	25403	9-5-19	CAMERON & MAGNOLIA	1
Semi-Annual PM; CSO Type C	25407	9-5-19	SHANOIS STREET	1
Semi-Annual PM; CSO Type C	25544	9-7-19	10TH & SYCAMORE	1
Semi-Annual PM; CSO Type C	25514	10-10-19	HILL CHAMBER T.R.W.	1
Semi-Annual PM; CSO Type C	25408	10-10-19	SALMON STREET	1
Semi-Annual PM; CSO Type C	25443	10-11-19	FRONT & BOAS	1
Semi-Annual PM; CSO Type D	21060	4-5-19	CAMERON & BERRYHILL	1
Semi-Annual PM; CSO Type D	21061	4-7-19	E. KITTATINNY & CAMERON	1
Semi-Annual PM; CSO Type D	20937	4-7-19	W. MULBERRY & CAMERON	1
Semi-Annual PM; CSO Type D	21062	4-18-19	CAMERON & CALDER	1
Semi-Annual PM; CSO Type D	21344	4-29-19	S. PAXTON STREET	1
Semi-Annual PM; CSO Type D	21345	4-29-19	N. PAXTON STREET	1
Semi-Annual PM; CSO Type D	25770	10-7-19	CAMERON & CALDER	1
Semi-Annual PM; CSO Type D	25539	10-10-19	E. KITTATINNY & CAMERON	1
Semi-Annual PM; CSO Type D	25543	10-10-19	CAMERON & BERRYHILL	1
Semi-Annual PM; CSO Type D	25537	10-15-19	W. MULBERRY & CAMERON	1
Semi-Annual PM; CSO Type D	25936	11-9-19	S. PAXTON STREET	1
Semi-Annual PM; CSO Type D	25937	11-9-19	N. PAXTON STREET	1
Sewer Lateral Failure Notice Served	28028	12-6-19	1255 Kittatinny St	1
Sinkhole Surface Repair	24976	3-18-19	Front & Riely	2
Sinkhole Surface Repair	26846	5-31-19	Cameron and state CSO	1
Sinkhole Surface Repair	27583	7-1-19	SCOTT ST & CLOVERLY TER, 17104	1
Sinkhole Surface Repair	27934	7-16-19	South Mullberry CSO	1
Sinkhole Surface Repair	29004	8-14-19	1424 N 4th St	1
Sinkhole Surface Repair	29476	9-17-19	19 N 18TH ST	1
Street Restoration Sewer Lateral	21106	4-15-19	812 Market Street	1
Street Restoration Sewer Lateral	24516	4-25-19	26 N 10th Street	1
Street Restoration Sewer Lateral	20519	5-1-19	902 S. 16th Street	2
Street Restoration Sewer Lateral	24518	5-2-19	320 Peffer Street	1

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Street Restoration Sewer Lateral	20518	5-21-19	2018 FIFTH ST, 17102, 17102	1
Street Restoration Sewer Lateral	25528	5-24-19	252 Senica Street	2
Street Restoration Sewer Lateral	25560	5-30-19	2200 N 5th St	1
Street Restoration Sewer Lateral	24905	5-30-19	2200 N. 5th Street	1
Street Restoration Sewer Lateral	26836	7-30-19	1433 Walnut Street	1
Street Restoration Sewer Lateral	23107	7-30-19	1525 Catherine Street	1
Street Restoration Sewer Lateral	25851	7-31-19	24 Taylor Blvd	1
Street Restoration Sewer Lateral	24159	7-31-19	2139 North 4th Street	1
Street Restoration Sewer Lateral	20763	7-31-19	3235 Hoffman Street	1
Street Restoration Sewer Lateral	20821	7-31-19	Mulberry Street Building	1
Street Restoration Sewer Lateral	20822	7-31-19	Crescent and Mulberry Streets	1
Street Restoration Sewer Lateral	20823	7-31-19	Thompson and South 13th Streets	1
Street Restoration Sewer Lateral	25977	10-21-19	1253 Kittatiny Street	1
Street Restoration Sewer Lateral	27785	10-23-19	11 South 15th Street	1
Street Restoration Sewer Lateral	32395	12-31-19	2311 Luce Street	1
Street Restoration Sewer Manhole	16419	6-6-19	South Bound Cameron & Mulberry	1
Street Restoration Sewer Manhole	13464	8-1-19	Cameron & Forester	1
Street Restoration Sewer Manhole	28216	9-14-19	2nd and Strawberry	2
Street Restoration Sewer Manhole	30611	10-19-19	SECOND ST & WICONISCO ST	1
Street Restoration Sewer Pipe	24320	4-2-19	1839 SPENCER ST	2
Street Restoration Sewer Pipe	25735	4-16-19	2515 North 2nd st	1
Street Restoration Sewer Pipe	17819	5-7-19	209 Hummel St	2
Street Restoration Sewer Pipe	25733	5-16-19	Susquehanna and Herr st	2
Street Restoration Sewer Pipe	25905	5-16-19	South & River St	1
Street Restoration Sewer Pipe	25790	5-31-19	muench near 3rd st	1
Street Restoration Sewer Pipe	22688	6-7-19	Green and Edward	2
Street Restoration Sewer Pipe	22689	6-7-19	green and edward unknown line	1
Street Restoration Sewer Pipe	23479	6-19-19	18th & Derry	1
Street Restoration Sewer Pipe	25907	9-11-19	Muench st	2
Street Restoration Sewer Pipe	29725	9-17-19	2043 chestnut	2
Street Restoration Sewer Pipe	27830	9-24-19	10th and Market	2
Street Restoration Sewer Pipe	26225	9-27-19	222 Market st	2
Street Restoration Sewer Pipe	28071	10-4-19	Williams to Verbeke	2
Street Restoration Sewer Pipe	28979	10-4-19	Verbeke and James st	1
Street Restoration Sewer Pipe	29724	10-9-19	4th st near Sayford	2
Street Restoration Sewer Pipe	31108	10-30-19	1613 derry	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Update GIS	22605	1-8-19	Yew pl RW	2
Update GIS	22835	1-8-19	Heather Place	3
Update GIS	22978	1-8-19	Heather Place RW	1
Update GIS	23244	1-8-19	Rumson RW	3
Update GIS	23245	1-8-19	MeadowLark RW	2
Update GIS	23246	1-8-19	MeadowLark pl RW	1
Update GIS	23361	1-31-19	Wilson Taylor Park	60
Update GIS	23651	1-31-19	Cresent to Berryhill	2
Update GIS	23761	1-31-19	6th st	2
Update GIS	23765	1-31-19	6th st @ school	1
Update GIS	24444	3-7-19	John Harris parking lot	1
Update GIS	24585	3-7-19	SUSQUEHANNA ST & CUMBERLAND	2
Update GIS	24148	3-7-19		1
Update GIS	24082	3-7-19	Susq and Lewis	2
Update GIS	24083	3-7-19	Susq st	2
Update GIS	24087	3-7-19	Edward and Susq	1
Update GIS	24588	3-8-19	THIRD ST & BLACKBERRY ST	2
Update GIS	24598	3-11-19	CAMERON ST & MARKET ST	1
Update GIS	24600	3-11-19	1198 WALNUT ST	2
Update GIS	24978	3-19-19	Front & Riely	2
Update GIS	25018	3-19-19	Market & Evergreen (West)	3
Update GIS	25023	3-19-19	Market st	2
Update GIS	25261	3-29-19	Market st	2
Update GIS	25262	3-29-19	Market st	2
Update GIS	25458	4-5-19	Muench st	2
Update GIS	25289	4-5-19	Liberty and Church St.	1
Update GIS	24825	4-5-19	2515 N 2nd st	1
Update GIS	25135	4-5-19	Cameron st near Sycamore	1
Update GIS	24053	4-5-19	Penn st	1
Update GIS	24054	4-5-19	Penn to Lewis rd	2
Update GIS	23059	4-5-19	1509 Boas st	4
Update GIS	25981	5-1-19	Logan st	1
Update GIS	25744	5-1-19	Wallace & muench st	1
Update GIS	25656	5-1-19	Wallace & Dauphin st	1
Update GIS	25664	5-1-19	Wallace st	1
Update GIS	26018	5-2-19	4th and Hamilton	6
Update GIS	26241	5-8-19	Front and South CSO	5
Update GIS	26210	5-8-19	10th and Market	2
Update GIS	26212	5-8-19	4th and Hamilton	2
Update GIS	25979	5-8-19	Muench (Rogele)	1
Update GIS	25582	5-8-19	Muench st	2
Update GIS	26621	5-22-19	Geary St, Harrisburg, Pennsylvania, :	2
Update GIS	26618	5-22-19	Forster St & N Front St, Harrisburg, I	2

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Update GIS	26777	5-30-19	Marion to Calder	5
Update GIS	26778	5-30-19	Front & Muench st	1
Update GIS	26779	5-30-19	Green & Verbeke	1
Update GIS	26610	5-30-19	4th and blackberry	2
Update GIS	26611	5-30-19	Market and 4th	1
Update GIS	26613	5-30-19	Forster and Green	2
Update GIS	26601	5-30-19	CSO-041	1
Update GIS	26603	5-30-19	CSO-027	1
Update GIS	26349	5-30-19	CSO 29 to Outfall	1
Update GIS	26374	5-30-19	CSO-029 to Outfall	2
Update GIS	26342	6-12-19	Muench to 6th	1
Update GIS	26352	6-12-19	3rd and Calder	3
Update GIS	25329	6-12-19	Market to 2nd	1
Update GIS	22733	6-12-19	Reservoir park gate house	2
Update GIS	23054	6-12-19	Croyden rd	2
Update GIS	23055	6-12-19	Croyden rd	1
Update GIS	26519	6-13-19	Sycamore St Between 14th & 15Th	2
Update GIS	26375	6-13-19	Cameron and Market to Outfall	3
Update GIS	7571	6-25-19	5th & Aldricks	1
Update GIS	28042	7-22-19	Hamilton st	1
Update GIS	28044	7-22-19	logan and granite	1
Update GIS	28118	7-25-19		1
Update GIS	27711	7-29-19	17th and Elm	2
Update GIS	26812	7-29-19	Evergreen to Mulberry	2
Update GIS	28299	8-1-19	Verbeke (North side of market)	3
Update GIS	28302	8-1-19	Verbeke (North side of market)	3
Update GIS	27274	8-1-19	1400 block Scott st	1
Update GIS	26845	8-1-19	371 Rudy rear	1
Update GIS	26891	8-1-19	Front & Geiger	1
Update GIS	26895	8-1-19	2nd & muench	1
Update GIS	27981	8-2-19	21st and Forster st	1
Update GIS	28226	8-2-19	Brown st	1
Update GIS	28250	8-2-19	Poplar st	2
Update GIS	28257	8-2-19	Boas st (Under HBG Dairies)	1
Update GIS	28296	8-2-19	Verbeke st	3
Update GIS	27588	8-2-19	front and seneca	1
Update GIS	27589	8-2-19	Front and Seneca to river	3
Update GIS	27598	8-2-19	Mayflower	1
Update GIS	27632	8-2-19	2nd and Strawberry	1
Update GIS	27102	8-2-19	15th st to Shoop	1
Update GIS	28252	8-12-19	Poplar and Kunkle	1
Update GIS	28282	8-12-19	Verbeke & Fulton	1
Update GIS	28291	8-12-19	Verbeke st	1

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Update GIS	26544	8-12-19	State St	2
Update GIS	27452	8-30-19	2nd and Barbara st	1
Update GIS	27991	9-3-19	Poplar and Primrose	1
Update GIS	28228	9-3-19	Poplar st	1
Update GIS	29518	9-4-19	13th & Bailey st	1
Update GIS	29527	9-4-19	Kittatinny st	1
Update GIS	29528	9-4-19	14th and Kittatinny st	1
Update GIS	29531	9-4-19	4th st near Sayford	1
Update GIS	29534	9-4-19	4th & Reily	1
Update GIS	29453	9-4-19	29th st	3
Update GIS	29465	9-4-19	Primrose	2
Update GIS	29447	9-4-19	29th st	1
Update GIS	28500	9-4-19	Balm and Walnut	1
Update GIS	28237	9-4-19	Poplar st	1
Update GIS	27712	9-4-19	17th and Elm	1
Update GIS	27516	9-4-19	5th & Aldricks	1
Update GIS	27480	9-4-19	susquehanna & reily	1
Update GIS	29441	9-9-19	Sycamore	1
Update GIS	29449	9-9-19	29th st	1
Update GIS	27590	9-9-19	Mayflower alley	1
Update GIS	27420	9-9-19	Market st to 15th	1
Update GIS	27469	9-9-19	Calder and Fulton	1
Update GIS	29846	9-12-19	Walnut and aberdeen	1
Update GIS	29855	9-12-19	23rd st	2
Update GIS	27177	9-12-19	River and Strawberry alley	1
Update GIS	26542	9-12-19	State st	1
Update GIS	29878	9-13-19	Forester st	1
Update GIS	28007	9-13-19	North 19th and Primrose Street	2
Update GIS	27505	9-13-19	Forster to James st	1
Update GIS	30206	9-30-19	24th st	3
Update GIS	30011	9-30-19	Derry st	4
Update GIS	30221	9-30-19	James st	1
Update GIS	30217	9-30-19	James st	1
Update GIS	30212	9-30-19	24th st	2
Update GIS	30292	10-1-19	Market st	3
Update GIS	30236	10-1-19	2nd st near North	1
Update GIS	29530	10-2-19	4th st near Sayford	2
Update GIS	29469	10-2-19	Long & Primrose	3
Update GIS	27039	10-2-19	Williams to Verbeke	2
Update GIS	22496	10-2-19	n 12th st	1
Update GIS	30510	10-3-19	2ND & MACLAY ST	2
Update GIS	27510	10-9-19	Susquehanna & Reily	2
Update GIS	30512	10-15-19	2ND & MACLAY ST	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Update GIS	30707	10-15-19	Cream Alley	1
Update GIS	28233	10-17-19	Poplar st	1
Update GIS	30892	10-21-19	Sycamore st	1
Update GIS	30893	10-21-19	Sycamore st	2
Update GIS	12234	10-21-19	Market and court	4
Update GIS	30885	10-23-19	Verbeke & Fulton	2
Update GIS	30950	10-23-19	27th to Woodlawn	2
Update GIS	30991	10-25-19	Market st	3
Update GIS	31135	11-1-19	19th and Bellvue	3
Update GIS	31175	11-1-19	23rd st	3
Update GIS	31028	11-1-19	Capital and Pear	1
Update GIS	31176	11-4-19	Hershey creamery	2
Update GIS	31230	11-7-19	Crooked Alley	3
Update GIS	31369	11-12-19	7th st to Radnor	4
Update GIS	31388	11-13-19	Paxton st storm	3
Update GIS	31397	11-14-19	Melrose	1
Update GIS	31632	11-21-19	State st	1
Update GIS	31610	11-21-19	Linden to Walnut	1
Update GIS	31613	11-21-19	Bailey st to Linden	1
Update GIS	31621	11-21-19	State st	1
Update GIS	31773	11-27-19	Boas st	1
Update GIS	31770	11-27-19	Kunkle	2
Update GIS	31634	12-3-19	State st	1
Update GIS	31855	12-3-19	19th and Forester	1
Update GIS	32026	12-13-19	15th and North	1
Update GIS	32074	12-16-19	19th to 18th & walnut st	1
Update GIS	32061	12-16-19	21st to Market	1
Update GIS	32158	12-18-19	21st st	7
Update GIS	32161	12-18-19	19th & Walnut st to Lynn st	3
Update GIS	32028	12-19-19	WW plant	1
Vactor Sewer Manhole	23343	1-11-19	State st for Flow Assessment	1
Vactor Sewer Manhole	24229	2-16-19		1
Vactor Sewer Manhole	24215	2-16-19	Derry & Benton	1
Vactor Sewer Manhole	24245	2-19-19	Melrose St.	1
Vactor Sewer Manhole	24470	2-25-19	24th Street	1
Vactor Sewer Manhole	24468	2-25-19	Benton Street	1
Vactor Sewer Manhole	14549	2-27-19	Thomas & Market St.	1
Vactor Sewer Manhole	24894	3-14-19	26th & Zook St.	1
Vactor Sewer Manhole	24890	3-14-19	26th	1
Vactor Sewer Manhole	25269	3-25-19	Brookwood & 25th	1
Vactor Sewer Manhole	25270	3-25-19	Brookwood & Immel	1
Vactor Sewer Manhole	18245	4-18-19	Calder & Cameron	1

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Vactor Sewer Manhole	26792	5-29-19	19th Street & Lenox	1
Vactor Sewer Manhole	27508	6-4-19	Brookwood & 21st	1
Vactor Sewer Manhole	27504	6-4-19	Brookwood & Girard St.	1
Vactor Sewer Manhole	27599	6-28-19	CSO-039	1
Vactor Sewer Manhole	27601	6-28-19	Cumberland CSO	1
Vactor Sewer Manhole	27816	7-11-19	20th & Briggs	1
Vactor Sewer Manhole	27817	7-11-19	20th & Primrose	1
Vactor Sewer Manhole	27818	7-11-19	20th & Brown	1
Vactor Sewer Manhole	27908	7-12-19	Boas street and North 19th	1
Vactor Sewer Manhole	27910	7-12-19	North 19th And Kunkel	1
Vactor Sewer Manhole	27867	7-12-19	forster street	1
Vactor Sewer Manhole	27868	7-12-19	York Street	1
Vactor Sewer Manhole	27869	7-12-19	York and Linn Street	1
Vactor Sewer Manhole	28320	7-12-19	Boas st	1
Vactor Sewer Manhole	28728	8-8-19	SECOND ST, 17101	1
Vactor Sewer Manhole	30320	9-30-19	Girard & Mercer	1
Vactor Sewer Manhole	30323	9-30-19	Girad & Berryhill	1
Vactor Sewer Manhole	30640	10-7-19	3rd & Wiconisco	1
Vactor Sewer Manhole	31691	11-22-19	North 18th street	1
Vactor Sewer Manhole	31761	11-23-19	17th and Forester Street	1
Vactor Sewer Manhole	31758	11-23-19	17th and Briggs	1
Vactor Sewer Manhole	31756	11-23-19	16th and herr	1
Vactor Sewer Manhole	31760	11-26-19	boas st	1
Vactor Sewer Manhole	32055	12-2-19	16th and forester street	1
Vactor Sewer Manhole	32079	12-6-19	Bellevue road	1
Vactor Sewer Manhole	32081	12-7-19	21st and Bellvue Road	1
Vactor Sewer Manhole	32086	12-13-19	Bellvue Road (Near 21st street)	1
Vactor Sewer Manhole	32148	12-17-19	Walnut St & N 20th St, Harrisburg, P	1
Vactor Sewer Manhole	32138	12-17-19	Chestnut St & S 21st St, Harrisburg,	1
Vactor Sewer Manhole	32136	12-17-19	Chestnut St & S 22nd St, Harrisburg,	1
Vactor Sewer Manhole	32467	12-21-19	Central Alley	1
Vactor Sewer Manhole	32459	12-21-19	Central Alley	1
Vactor Sewer Manhole	32462	12-21-19	Central and 24th	1
Wkly Hotspot Manhole Inspections	23087	1-2-19		39
Wkly Hotspot Manhole Inspections	23090	1-2-19		2
Wkly Hotspot Manhole Inspections	23146	1-4-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	23206	1-7-19	2132 Kensington St.	3

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Wkly Hotspot Manhole Inspections	23180	1-9-19		39
Wkly Hotspot Manhole Inspections	23175	1-9-19		2
Wkly Hotspot Manhole Inspections	23266	1-11-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	23353	1-14-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	23306	1-16-19		2
Wkly Hotspot Manhole Inspections	23307	1-16-19		39
Wkly Hotspot Manhole Inspections	23383	1-18-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	23496	1-22-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	23471	1-23-19		2
Wkly Hotspot Manhole Inspections	23472	1-23-19		39
Wkly Hotspot Manhole Inspections	23539	1-25-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	23560	1-29-19		2
Wkly Hotspot Manhole Inspections	23561	1-29-19		39
Wkly Hotspot Manhole Inspections	23625	2-1-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	23834	2-4-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	23736	2-7-19		2
Wkly Hotspot Manhole Inspections	23737	2-7-19		39
Wkly Hotspot Manhole Inspections	23886	2-8-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24028	2-11-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	23996	2-13-19		39
Wkly Hotspot Manhole Inspections	23997	2-13-19		2

Description	Work Order Id	Actual Finish	Address	Total Assets
Wkly Hotspot Manhole Inspections	24067	2-15-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24121	2-19-19		39
Wkly Hotspot Manhole Inspections	24122	2-19-19		2
Wkly Hotspot Manhole Inspections	24191	2-19-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24307	2-22-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24316	2-25-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24217	2-26-19		2
Wkly Hotspot Manhole Inspections	24212	2-26-19		39
Wkly Hotspot Manhole Inspections	24354	3-1-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24481	3-4-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24476	3-6-19		39
Wkly Hotspot Manhole Inspections	24478	3-6-19		2
Wkly Hotspot Manhole Inspections	24526	3-8-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24642	3-11-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24561	3-12-19		2
Wkly Hotspot Manhole Inspections	24562	3-12-19		39
Wkly Hotspot Manhole Inspections	24643	3-15-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24925	3-18-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	24814	3-20-19		2
Wkly Hotspot Manhole Inspections	24815	3-20-19		39
Wkly Hotspot Manhole Inspections	24994	3-22-19	2132 Kensington St.	3

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Description	Work Order Id	Actual Finish	Address	Total Assets
Wkly Hotspot Manhole Inspections	25130	3-25-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	25073	3-27-19		39
Wkly Hotspot Manhole Inspections	25074	3-27-19		2
Wkly Hotspot Manhole Inspections	25241	4-3-19		39
Wkly Hotspot Manhole Inspections	25239	4-4-19		2
Wkly Hotspot Manhole Inspections	25176	4-5-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	25491	4-8-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	25460	4-10-19		2
Wkly Hotspot Manhole Inspections	25490	4-10-19		39
Wkly Hotspot Manhole Inspections	25548	4-12-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	25629	4-15-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	25590	4-17-19		39
Wkly Hotspot Manhole Inspections	25588	4-18-19		2
Wkly Hotspot Manhole Inspections	25654	4-18-19	2132 Kensington St.	3
Wkly Hotspot Manhole Inspections	25763	4-22-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	25745	4-24-19		13
Wkly Hotspot Manhole Inspections	25771	4-24-19		2
Wkly Hotspot Manhole Inspections	25801	4-26-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	25913	4-29-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	25858	5-1-19		13
Wkly Hotspot Manhole Inspections	25886	5-1-19		2

Description	Work Order Id	Actual Finish	Address	Total Assets
Wkly Hotspot Manhole Inspections	25967	5-3-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	26114	5-7-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	25999	5-8-19		13
Wkly Hotspot Manhole Inspections	26001	5-8-19		2
Wkly Hotspot Manhole Inspections	26262	5-13-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	26260	5-15-19		13
Wkly Hotspot Manhole Inspections	26261	5-15-19		2
Wkly Hotspot Manhole Inspections	26447	5-17-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	26448	5-20-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	26508	5-22-19		13
Wkly Hotspot Manhole Inspections	26509	5-22-19		2
Wkly Hotspot Manhole Inspections	26617	5-24-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	26723	5-28-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	26666	5-29-19		2
Wkly Hotspot Manhole Inspections	26667	5-29-19		13
Wkly Hotspot Manhole Inspections	26746	6-3-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	26771	6-3-19		13
Wkly Hotspot Manhole Inspections	26772	6-3-19		2
Wkly Hotspot Manhole Inspections	26898	6-7-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	27010	6-10-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	26899	6-12-19		2

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Description	Work Order Id	Actual Finish	Address	Total Assets
Wkly Hotspot Manhole Inspections	26900	6-12-19		13
Wkly Hotspot Manhole Inspections	27222	6-14-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	27262	6-17-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	27172	6-20-19		13
Wkly Hotspot Manhole Inspections	27302	6-24-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	27423	6-25-19		13
Wkly Hotspot Manhole Inspections	27171	6-25-19		2
Wkly Hotspot Manhole Inspections	27494	6-28-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	27521	7-3-19		13
Wkly Hotspot Manhole Inspections	27574	7-3-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	27663	7-10-19		13
Wkly Hotspot Manhole Inspections	27522	7-10-19		2
Wkly Hotspot Manhole Inspections	27662	7-12-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	27836	7-15-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	27787	7-17-19		13
Wkly Hotspot Manhole Inspections	27897	7-19-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	27951	7-24-19		13
Wkly Hotspot Manhole Inspections	28016	7-29-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	28110	7-30-19		13
Wkly Hotspot Manhole Inspections	27786	7-30-19		2
Wkly Hotspot Manhole Inspections	28195	8-2-19	2132 Kensington St.	2

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Description	Work Order Id	Actual Finish	Address	Total Assets
Wkly Hotspot Manhole Inspections	28369	8-5-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	28264	8-7-19		13
Wkly Hotspot Manhole Inspections	28412	8-9-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	28828	8-12-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	28490	8-14-19		13
Wkly Hotspot Manhole Inspections	28265	8-14-19		2
Wkly Hotspot Manhole Inspections	28999	8-19-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	29274	8-21-19		13
Wkly Hotspot Manhole Inspections	29275	8-21-19		2
Wkly Hotspot Manhole Inspections	29373	8-23-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	29416	8-28-19		13
Wkly Hotspot Manhole Inspections	29538	8-30-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	29417	9-4-19		2
Wkly Hotspot Manhole Inspections	29636	9-4-19		13
Wkly Hotspot Manhole Inspections	29707	9-6-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	29804	9-9-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	29755	9-10-19		13
Wkly Hotspot Manhole Inspections	29752	9-10-19		2
Wkly Hotspot Manhole Inspections	29897	9-16-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	29900	9-18-19		13
Wkly Hotspot Manhole Inspections	29898	9-18-19		2

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Description	Work Order Id	Actual Finish	Address	Total Assets
Wkly Hotspot Manhole Inspections	29991	9-20-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	30111	9-23-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	30055	9-26-19		13
Wkly Hotspot Manhole Inspections	30054	9-27-19		2
Wkly Hotspot Manhole Inspections	30144	9-27-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	30256	10-2-19		2
Wkly Hotspot Manhole Inspections	30228	10-2-19		13
Wkly Hotspot Manhole Inspections	30515	10-7-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	30258	10-7-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	30517	10-9-19		2
Wkly Hotspot Manhole Inspections	30516	10-10-19		13
Wkly Hotspot Manhole Inspections	30830	10-11-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	30832	10-15-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	30728	10-16-19		2
Wkly Hotspot Manhole Inspections	30709	10-17-19		13
Wkly Hotspot Manhole Inspections	30833	10-18-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	30834	10-23-19		2
Wkly Hotspot Manhole Inspections	30852	10-23-19		13
Wkly Hotspot Manhole Inspections	30873	10-28-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	30963	10-30-19		2
Wkly Hotspot Manhole Inspections	30964	10-30-19		13

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Description	Work Order Id	Actual Finish	Address	Total Assets
Wkly Hotspot Manhole Inspections	31070	11-1-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31172	11-4-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31114	11-6-19		13
Wkly Hotspot Manhole Inspections	31115	11-6-19		2
Wkly Hotspot Manhole Inspections	31225	11-8-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31337	11-12-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31276	11-13-19		14
Wkly Hotspot Manhole Inspections	31277	11-13-19		2
Wkly Hotspot Manhole Inspections	31468	11-15-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31492	11-18-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31430	11-20-19		14
Wkly Hotspot Manhole Inspections	31467	11-20-19		2
Wkly Hotspot Manhole Inspections	31547	11-22-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31696	11-25-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31603	11-27-19		14
Wkly Hotspot Manhole Inspections	31604	11-27-19		2
Wkly Hotspot Manhole Inspections	31724	12-2-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31788	12-4-19		2
Wkly Hotspot Manhole Inspections	31789	12-4-19		14
Wkly Hotspot Manhole Inspections	31881	12-6-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	31946	12-9-19	2132 Kensington St.	2

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Description	Work Order Id	Actual Finish	Address	Total Assets
Wkly Hotspot Manhole Inspections	31908	12-11-19		14
Wkly Hotspot Manhole Inspections	31909	12-11-19		2
Wkly Hotspot Manhole Inspections	31971	12-13-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	32084	12-16-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	32019	12-18-19		14
Wkly Hotspot Manhole Inspections	32020	12-18-19		2
Wkly Hotspot Manhole Inspections	32127	12-23-19	2132 Kensington St.	2
Wkly Hotspot Manhole Inspections	32189	12-24-19		2
Wkly Hotspot Manhole Inspections	32190	12-24-19		14
Wkly Hotspot Manhole Inspections	32286	12-27-19	2132 Kensington St.	2

STORM

Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Storm Sewer Pipe	23189	1-3-19	Holly st repair	1
CCTV Storm Sewer Pipe	23229	1-6-19	2nd st to Seneca	1
CCTV Storm Sewer Pipe	23230	1-6-19	2nd st to Seneca	1
CCTV Storm Sewer Pipe	23247	1-7-19	7th	1
CCTV Storm Sewer Pipe	23248	1-7-19	7TH	1
CCTV Storm Sewer Pipe	23250	1-7-19	7TH	1
CCTV Storm Sewer Pipe	23252	1-7-19	7th	1
CCTV Storm Sewer Pipe	23253	1-7-19	7TH	1
CCTV Storm Sewer Pipe	23254	1-7-19	7TH	1
CCTV Storm Sewer Pipe	4921	1-14-19	Dauphin st	1
CCTV Storm Sewer Pipe	23384	1-16-19	18th and Derry "Unknown line"	1
CCTV Storm Sewer Pipe	23522	1-22-19	22nd & Mcleaster	1
CCTV Storm Sewer Pipe	23525	1-22-19	22nd	1
CCTV Storm Sewer Pipe	23527	1-22-19	22nd & kensington	1
CCTV Storm Sewer Pipe	23528	1-22-19	Kensington	1
CCTV Storm Sewer Pipe	23530	1-22-19	21st RW	1
CCTV Storm Sewer Pipe	23531	1-22-19	21st st RW	1
CCTV Storm Sewer Pipe	23532	1-22-19	21st to berryhill	1
CCTV Storm Sewer Pipe	23588	1-25-19	13th street	1
CCTV Storm Sewer Pipe	23591	1-25-19	13th	1
CCTV Storm Sewer Pipe	23593	1-25-19	13th	1
CCTV Storm Sewer Pipe	23643	1-27-19	Dewberry st	1
CCTV Storm Sewer Pipe	23644	1-27-19	Dewberry pl	1
CCTV Storm Sewer Pipe	23657	1-28-19	Green and Shamokin	1
CCTV Storm Sewer Pipe	23659	1-28-19	Green to Division	1
CCTV Storm Sewer Pipe	23660	1-28-19	2nd st to Division	1
CCTV Storm Sewer Pipe	23661	1-28-19	2nd st to Shamokin	1
CCTV Storm Sewer Pipe	23875	2-4-19	Race st RW	1
CCTV Storm Sewer Pipe	23877	2-4-19	Race st RW	1
CCTV Storm Sewer Pipe	23878	2-4-19	Race st	1
CCTV Storm Sewer Pipe	23884	2-4-19	Race and Tuscarara st	1
CCTV Storm Sewer Pipe	23887	2-4-19	Race st curbline	1
CCTV Storm Sewer Pipe	23888	2-4-19	Race st	1
CCTV Storm Sewer Pipe	24035	2-9-19	Chestnut st	1
CCTV Storm Sewer Pipe	24103	2-13-19	Scott St	1
CCTV Storm Sewer Pipe	24116	2-13-19	kline village	1
CCTV Storm Sewer Pipe	24133	2-14-19	kline plaza	1
CCTV Storm Sewer Pipe	24376	3-4-19	Muench st	1
CCTV Storm Sewer Pipe	24826	3-14-19	16th & liberty st	1
CCTV Storm Sewer Pipe	24829	3-14-19	16th & liberty	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Storm Sewer Pipe	24968	3-17-19	Industrial rd	1
CCTV Storm Sewer Pipe	24982	3-18-19	1160 South Cameron st	1
CCTV Storm Sewer Pipe	25032	3-19-19	23rd and Burma	1
CCTV Storm Sewer Pipe	25061	3-20-19	Burma	1
CCTV Storm Sewer Pipe	25150	3-23-19	Division st	1
CCTV Storm Sewer Pipe	25151	3-23-19	Division st	1
CCTV Storm Sewer Pipe	25152	3-23-19	Division st	1
CCTV Storm Sewer Pipe	25051	4-1-19	Mercer & Melrose st	1
CCTV Storm Sewer Pipe	25055	4-1-19	Melrose & Mercer st	1
CCTV Storm Sewer Pipe	25058	4-1-19	Burma & Melrose st	1
CCTV Storm Sewer Pipe	24987	4-2-19	1162 South Cameron st	1
CCTV Storm Sewer Pipe	25053	4-2-19	Melrose & Mercer st	1
CCTV Storm Sewer Pipe	25153	4-2-19	Market st	1
CCTV Storm Sewer Pipe	25605	4-11-19	Johnson st "post CCTV"	1
CCTV Storm Sewer Pipe	25608	4-11-19	Johnson st Post CCTV	1
CCTV Storm Sewer Pipe	25686	4-16-19	State and Adams alley	1
CCTV Storm Sewer Pipe	26042	5-2-19	Woodlawn st	1
CCTV Storm Sewer Pipe	26021	5-2-19	4th and Granite	1
CCTV Storm Sewer Pipe	26025	5-2-19	Hamilton and Harris	1
CCTV Storm Sewer Pipe	26029	5-2-19	3rd st to Calder st	1
CCTV Storm Sewer Pipe	26034	5-2-19	Woodlawn st	1
CCTV Storm Sewer Pipe	25154	5-8-19	2nd st	1
CCTV Storm Sewer Pipe	26467	5-14-19	Front & Nagel	1
CCTV Storm Sewer Pipe	26653	5-22-19	Woodbine and Susq	2
CCTV Storm Sewer Pipe	26887	6-3-19	18th and Chestnut	1
CCTV Storm Sewer Pipe	27194	6-13-19	5th & Lewis	1
CCTV Storm Sewer Pipe	27197	6-13-19	5th & Lewis	1
CCTV Storm Sewer Pipe	27201	6-13-19	5th & Lewis	1
CCTV Storm Sewer Pipe	27203	6-13-19	5th & Lewis	1
CCTV Storm Sewer Pipe	27204	6-13-19	5th & Lewis	1
CCTV Storm Sewer Pipe	27205	6-13-19	5th & Lewis	1
CCTV Storm Sewer Pipe	27207	6-13-19	5th & Lewis	1
CCTV Storm Sewer Pipe	27210	6-13-19	5th st	1
CCTV Storm Sewer Pipe	27211	6-13-19	5th st	1
CCTV Storm Sewer Pipe	27212	6-13-19	5th & Lewis	1
CCTV Storm Sewer Pipe	27214	6-13-19	5th & Lewis	1
CCTV Storm Sewer Pipe	27356	6-19-19	REILLY TO ARMORY	1
CCTV Storm Sewer Pipe	27365	6-19-19	REILLY	1
CCTV Storm Sewer Pipe	27344	6-19-19	Green Street	1
CCTV Storm Sewer Pipe	27349	6-19-19	GREEN STREET	1
CCTV Storm Sewer Pipe	27352	6-19-19	GREEN TO VAUGH ST.	1
CCTV Storm Sewer Pipe	25764	6-24-19	Swatara & Hale st	1
CCTV Storm Sewer Pipe	27350	6-24-19	GREEN STREET	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Storm Sewer Pipe	27427	6-24-19	THIRD ST & BOAS ST	1
CCTV Storm Sewer Pipe	27430	6-24-19	THIRD ST & PINE ST	1
CCTV Storm Sewer Pipe	27675	7-5-19	Green and Woodbine	1
CCTV Storm Sewer Pipe	27680	7-8-19	17th and Elm	2
CCTV Storm Sewer Pipe	27734	7-19-19	21st and Boas	1
CCTV Storm Sewer Pipe	27735	7-19-19	Boas st	1
CCTV Storm Sewer Pipe	27741	7-19-19	Poplar st	1
CCTV Storm Sewer Pipe	27743	7-19-19	Poplar RW	1
CCTV Storm Sewer Pipe	27806	7-19-19	Royal Terrace	2
CCTV Storm Sewer Pipe	27809	7-19-19	Royal Terrace	1
CCTV Storm Sewer Pipe	27820	7-19-19	Poplar st	1
CCTV Storm Sewer Pipe	27821	7-19-19	Poplar st	1
CCTV Storm Sewer Pipe	27850	7-30-19	Forster st	1
CCTV Storm Sewer Pipe	27851	7-30-19	Forster st	1
CCTV Storm Sewer Pipe	27855	7-30-19	Poplar st R/W	1
CCTV Storm Sewer Pipe	27870	7-30-19	Poplar st	1
CCTV Storm Sewer Pipe	27871	7-30-19	Poplar st	1
CCTV Storm Sewer Pipe	27872	7-30-19	Poplar st	1
CCTV Storm Sewer Pipe	27873	7-30-19	Poplar st	1
CCTV Storm Sewer Pipe	27874	7-30-19	Poplar st R/W	1
CCTV Storm Sewer Pipe	27879	7-31-19	Boas st	1
CCTV Storm Sewer Pipe	27881	7-31-19	Briggs st	1
CCTV Storm Sewer Pipe	27882	7-31-19	Briggs st	1
CCTV Storm Sewer Pipe	27885	7-31-19	Briggs st	1
CCTV Storm Sewer Pipe	28161	7-31-19	Verbeke st	1
CCTV Storm Sewer Pipe	28162	7-31-19	Verbeke st	1
CCTV Storm Sewer Pipe	28385	8-4-19	29th st	1
CCTV Storm Sewer Pipe	28386	8-4-19	29th st	1
CCTV Storm Sewer Pipe	28387	8-4-19	29th st	1
CCTV Storm Sewer Pipe	28388	8-4-19	29th and Brookwood	1
CCTV Storm Sewer Pipe	28389	8-4-19	Brookwood	1
CCTV Storm Sewer Pipe	29551	8-25-19	15th and North	2
CCTV Storm Sewer Pipe	30028	9-30-19	TWENTIETH ST & ELLSWORTH ALY	1
CCTV Storm Sewer Pipe	30276	9-30-19	Market st sidewalk	1
CCTV Storm Sewer Pipe	30453	10-2-19	2ND ST	1
CCTV Storm Sewer Pipe	30431	10-8-19	2nd & Delaware	1
CCTV Storm Sewer Pipe	30432	10-8-19	2ND & DELAWRE ST	1
CCTV Storm Sewer Pipe	30436	10-8-19	2ND & DELAWARE ST	1
CCTV Storm Sewer Pipe	30437	10-8-19	2ND & DELAWARE ST	1
CCTV Storm Sewer Pipe	30445	10-8-19	2ND & DELAWARE ST	1
CCTV Storm Sewer Pipe	30452	10-8-19	2ND ST	1
CCTV Storm Sewer Pipe	30532	10-16-19	12th & allison st	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
CCTV Storm Sewer Pipe	30535	10-16-19	12TH & ALLISON ST	1
CCTV Storm Sewer Pipe	30540	10-16-19	13TH ST	1
CCTV Storm Sewer Pipe	30543	10-16-19	13TH ST	1
CCTV Storm Sewer Pipe	30546	10-16-19	12th & Magnolia st	1
CCTV Storm Sewer Pipe	30547	10-16-19	12TH & MAGNOLIA ST	1
CCTV Storm Sewer Pipe	30548	10-16-19	12TH & HANOVER ST	1
CCTV Storm Sewer Pipe	30549	10-16-19	12TH & HANOVER ST	1
CCTV Storm Sewer Pipe	30551	10-16-19	12TH & HANOVER ST	1
CCTV Storm Sewer Pipe	30890	10-25-19	27th st	1
CCTV Storm Sewer Pipe	29782	11-1-19	Cameron and Kittatinny	1
CCTV Storm Sewer Pipe	29796	11-1-19	Cameron st near Hershey	1
CCTV Storm Sewer Pipe	31353	11-10-19	Cumberland to CSO	1
CCTV Storm Sewer Pipe	31438	11-14-19	Bailey and summit	1
CCTV Storm Sewer Pipe	31440	11-14-19	Bailey and Summit	1
CCTV Storm Sewer Pipe	31707	11-24-19	19th st	1
CCTV Storm Sewer Pipe	31207	11-25-19	1816 susquehanna	1
CCTV Storm Sewer Pipe	31352	11-26-19	Cumberland to Cameron	1
CCTV Storm Sewer Pipe	31461	11-26-19	13th and Bailey	1
CCTV Storm Sewer Pipe	32093	12-19-19	18th st	1
CCTV Storm Sewer Pipe	32094	12-19-19	18th st	1
CCTV Storm Sewer Pipe	32095	12-19-19	18th st	1
CCTV Storm Sewer Pipe	32096	12-19-19	18th st	1
CCTV Storm Sewer Pipe	32097	12-19-19	Parkway	1
CCTV Storm Sewer Pipe	32098	12-19-19	Parkway	1
CCTV Storm Sewer Pipe	32099	12-19-19	Parkway	1
CCTV Storm Sewer Pipe	32100	12-19-19	Parkway	1
CCTV Storm Sewer Pipe	32101	12-19-19	Parkway	1
CCTV Storm Sewer Pipe	32102	12-19-19	Parkway	1
Clean Storm Manhole	31125	10-24-19	Market st	1
Clean Storm Pipe	23287	1-7-19	13th St	2
Clean Storm Pipe	23268	1-7-19	13th St.	1
Clean Storm Pipe	23359	1-11-19	2020 BERRYHILL ST	1
Clean Storm Pipe	22865	3-13-19	BOAS ST & BARTINE ST, 17102	1
Clean Storm Pipe	25724	4-15-19	3001 SEVENTH ST, 17110	1
Connectivity Investigation	32172	12-18-19	21st st	1
Connectivity Investigation	32174	12-18-19	21st st	1
Connectivity Investigation	32175	12-18-19	21st st	1
Connectivity Investigation	32176	12-18-19	21st st	1
Flush Storm Pipe	24844	3-13-19	601 N 16TH ST	2

CAPITAL REGION WATER
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Description	Work Order Id	Actual Finish	Address	Total Assets
Flush Storm Pipe	25047	3-19-19	2255 BERRYHILL ST	1
Flush Storm Pipe	25995	4-30-19	Paxton Street	1
Flush Storm Pipe	26002	4-30-19	Paxton St.	1
Flush Storm Pipe	26003	4-30-19	Paxton St.	1
Flush Storm Pipe	26004	4-30-19	Paxton St.	1
Flush Storm Pipe	27977	7-9-19	21st and Boas	1
Flush Storm Pipe	27978	7-9-19	Boas st	1
Flush Storm Pipe	27979	7-9-19	Poplar st	1
Flush Storm Pipe	27980	7-9-19	Poplar RW	1
Flush Storm Pipe	28001	7-19-19	20th & North Street	1
Flush Storm Pipe	28002	7-19-19	20th & North Street	1
Flush Storm Pipe	28249	7-30-19	Poplar st	1
Flush Storm Pipe	28275	7-30-19	Boas st	1
Flush Storm Pipe	28276	7-31-19	Briggs st	1
Flush Storm Pipe	30298	9-30-19	TWENTIETH ST & ELLSWORTH ALY	1
Flush Storm Pipe	30625	10-2-19	2ND & DELAWARE ST	1
Flush Storm Pipe	30627	10-2-19	2ND & DELAWARE ST	1
Flush Storm Pipe	30628	10-2-19	2ND & DELAWARE ST	1
Flush Storm Pipe	30634	10-2-19	2ND ST	1
Flush Storm Pipe	30612	10-2-19	2ND ST	1
Flush Storm Pipe	30618	10-2-19	2nd & Delaware	1
Flush Storm Pipe	30620	10-2-19	2ND & DELAWRE ST	1
Flush Storm Pipe	30822	10-3-19	12th & allison st	1
Grounds Maintenance	24877	4-4-19	Front St Interceptor	1
Inspect Inlet	27990	7-22-19	TENTH ST & SHANNON ST, 17104	3
Install Storm Pipe	21874	7-18-19	1000 S CAMERON ST	2
Lagoon Maintenance - Inlet Debris	32442	12-19-19		1
MS4 Investigation	29457	8-22-19	3211 Front St.	4
MS4 Investigation	29464	8-22-19	2nd & Vaughn	3
MS4 Investigation	29467	8-22-19	3316 Green Street	4
MS4 Investigation	29470	8-22-19	Front & Lewis	3
Plate Inlet	24512	3-7-19	560 ALRICKS ST	1
Plate Inlet	24508	3-8-19	TWENTY-THIRD ST & DERRY ST, 17104	1
Plate Inlet	24045	3-25-19	Chestnut east of Dewberry	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Plate Inlet	20928	4-4-19	1513 N CAMERON ST	1
Plate Inlet	26503	5-22-19	SEVENTH ST & HERR ST, 17102	1
Plate Inlet	29048	9-7-19	7th across from Oxford	1
Plate Inlet	29766	9-11-19	1521 MAYFLOWER ST	1
Plate Inlet	25912	11-21-19	2524 WOODLAWN ST	2
Plate Inlet	31745	12-9-19	720 Market St	2
Plate Inlet	32043	12-15-19	200 Boas St	1
Plate Storm Sewer Pipe	28985	8-15-19	3rd and vaughn	2
Raise/Lower Storm Manhole	16279	2-26-19	3rd	1
Raise/Lower Storm Manhole	22379	11-7-19	19th	2
Repair Storm Inlet	11402	1-8-19	17th & Hunter Street	1
Repair Storm Inlet	23224	1-8-19	holly & carlisle	1
Repair Storm Inlet	19892	1-9-19	20th & Boas	1
Repair Storm Inlet	4953	1-27-19	William St.	1
Repair Storm Inlet	11127	1-29-19	Derry & Dunkle Street	1
Repair Storm Inlet	23121	2-3-19	jefferson and oak	1
Repair Storm Inlet	10759	2-7-19	19th & zarker	2
Repair Storm Inlet	19743	2-7-19	Bellevue and Briarcliff	1
Repair Storm Inlet	23946	2-7-19	SIXTEENTH ST & CATHERINE ST, 17104	1
Repair Storm Inlet	18731	2-8-19	24th & Kensington	1
Repair Storm Inlet	23941	2-11-19	18th & Derry St	1
Repair Storm Inlet	18095	2-15-19	Central St.	1
Repair Storm Inlet	14567	2-19-19	Brookwood & Zerby	1
Repair Storm Inlet	24228	2-20-19	WOODBINE & 7TH ST	1
Repair Storm Inlet	2713	2-27-19	third and lewis	1
Repair Storm Inlet	2712	3-15-19	third and lewis	1
Repair Storm Inlet	2714	3-15-19	third and lewis	1
Repair Storm Inlet	24822	3-15-19	Herr St.	1
Repair Storm Inlet	24198	3-16-19	SEVENTEENTH ST & HERR ST, 17103	1
Repair Storm Inlet	13043	3-18-19	1400 HERR ST	1
Repair Storm Inlet	17405	3-19-19	2nd St	1
Repair Storm Inlet	20199	3-19-19	712 N 17TH ST	1
Repair Storm Inlet	24276	3-19-19	WOODBINE & 7TH ST	1
Repair Storm Inlet	25066	3-20-19	THOMPSON ST & CROOKED ST, 17104	1
Repair Storm Inlet	23854	3-22-19	Liberty & Willow	2
Repair Storm Inlet	19127	3-25-19	Chestnut east of Dewberry	1
Repair Storm Inlet	25067	3-25-19	Summit & Mulberry	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Repair Storm Inlet	21644	3-26-19	2034 KENSINGTON ST	1
Repair Storm Inlet	25112	3-26-19	HOWARD ST & CROOKED ST	1
Repair Storm Inlet	5175	3-27-19	THIRTEENTH ST & SYCAMORE ST	1
Repair Storm Inlet	17609	3-28-19	15th & sycamore st	1
Repair Storm Inlet	25287	3-29-19	418 HARRIS ST	2
Repair Storm Inlet	20667	3-30-19	18th & Sycamore	2
Repair Storm Inlet	13137	4-3-19	Muench & Moltke Aly	1
Repair Storm Inlet	18306	4-4-19	Curtin & Brensinger Aly	1
Repair Storm Inlet	5097	4-6-19	THIRTEENTH ST & SYCAMORE ST	1
Repair Storm Inlet	12520	4-8-19	14th & Apricot Alley	1
Repair Storm Inlet	18407	4-8-19	1513 N CAMERON ST	1
Repair Storm Inlet	21140	4-8-19	10th & Market	4
Repair Storm Inlet	20574	4-8-19	17th & Miller	1
Repair Storm Inlet	9907	4-9-19	Kittatinny & Nectarine Sts.	2
Repair Storm Inlet	12539	4-10-19	17th & Carnation	2
Repair Storm Inlet	18232	4-10-19	Curtin & Turner Aly	1
Repair Storm Inlet	19963	4-16-19	4th & Martina	2
Repair Storm Inlet	25750	4-17-19	SECOND ST & BOAS ST, 17102	1
Repair Storm Inlet	25649	4-18-19	Berryhill & Hummel	1
Repair Storm Inlet	25471	4-22-19	2492 RUDY RD	1
Repair Storm Inlet	19115	4-23-19	24th and Berryhill	1
Repair Storm Inlet	9919	4-24-19	FIFTEENTH ST & BERRYHILL ST	2
Repair Storm Inlet	9920	4-24-19	14th and berryhill	2
Repair Storm Inlet	11180	4-25-19	1745 Derry & 1720 Berryhill	2
Repair Storm Inlet	11331	4-25-19	18th & Berryhill Street	1
Repair Storm Inlet	25855	4-25-19	15th & Herr	1
Repair Storm Inlet	13546	5-3-19	420 South 13th Street	2
Repair Storm Inlet	25885	5-3-19	SUSQUEHANNA ST & GRANITE ST, 17102	2
Repair Storm Inlet	25911	5-3-19	2524 WOODLAWN ST	1
Repair Storm Inlet	15513	5-6-19	Intersection of 12th and 13th Street	1
Repair Storm Inlet	10548	5-7-19	NINETEENTH ST & KELLY ST	1
Repair Storm Inlet	24823	5-9-19	12th & Herr	2
Repair Storm Inlet	5286	5-9-19	Sumner St	2
Repair Storm Inlet	4463	5-10-19	1400 BLOCK FIFTEENTH ST	2
Repair Storm Inlet	24391	5-14-19	3rd & Pine	1
Repair Storm Inlet	5340	5-15-19	TWENTIETH ST & ZARKER ST	1
Repair Storm Inlet	8519	5-16-19	Meadowlark Place	1
Repair Storm Inlet	4757	5-17-19	20th & Beaver St.	1
Repair Storm Inlet	14434	5-20-19	S.Brookwood & 17th	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Repair Storm Inlet	23856	5-21-19	Liberty & Church	1
Repair Storm Inlet	26457	5-22-19	1901 N CAMERON ST	1
Repair Storm Inlet	26271	5-22-19	Cumberland & Monroe	2
Repair Storm Inlet	25362	5-23-19	Herr St.	1
Repair Storm Inlet	26274	5-24-19	Monoroe & Verbeke	2
Repair Storm Inlet	26773	5-31-19	GREEN ST & REILY ST	1
Repair Storm Inlet	25904	6-3-19	20 S 21ST ST	1
Repair Storm Inlet	26879	6-3-19	Verbeke & William	1
Repair Storm Inlet	9583	6-6-19	Hale Ave. & Harris Terrace	1
Repair Storm Inlet	9651	6-7-19	FOURTEENTH ST & KITTATINNY ST	3
Repair Storm Inlet	25749	6-12-19	563 CAMP ST	1
Repair Storm Inlet	26940	6-15-19	Verbeke	1
Repair Storm Inlet	27247	6-17-19	Front and Tuscarora Street	1
Repair Storm Inlet	27331	6-18-19	Brookwood & Bolton	1
Repair Storm Inlet	9734	6-19-19	FIFTEENTH ST & WAYNE ST	1
Repair Storm Inlet	22607	6-20-19	17 & North	1
Repair Storm Inlet	20155	6-21-19	18th st fosreter st	1
Repair Storm Inlet	26834	6-21-19	1803 BOAS ST	2
Repair Storm Inlet	27440	6-21-19	18th and North street	1
Repair Storm Inlet	21677	6-24-19	6TH & Graham	1
Repair Storm Inlet	19702	6-24-19	6th & Graham	3
Repair Storm Inlet	24859	6-24-19	Cranberry & Court	1
Repair Storm Inlet	27471	6-24-19	Brookwood & Norwood	1
Repair Storm Inlet	5241	6-24-19	2151 GREENWOOD ST	1
Repair Storm Inlet	5242	6-24-19	2151 GREENWOOD ST	1
Repair Storm Inlet	19715	6-28-19	Graham at Joseph & 7th	3
Repair Storm Inlet	27532	6-28-19	Graham at Pennwood/Jefferson	1
Repair Storm Inlet	27585	6-28-19	1518 GREEN ST	1
Repair Storm Inlet	27461	6-28-19	Graham at Pennwood/Jefferson	2
Repair Storm Inlet	4760	6-28-19	EIGHTEENTH ST & DERRY ST	1
Repair Storm Inlet	27621	7-2-19	1901 MANADA ST	1
Repair Storm Inlet	26527	7-3-19	2151 GREENWOOD ST, 17104	1
Repair Storm Inlet	25884	7-3-19	COLUMBIA ST & AGATE ST, 17110	1
Repair Storm Inlet	27645	7-3-19	1421 JAMES ST	1
Repair Storm Inlet	27654	7-3-19	CHESTNUT ST & FRONT ST, 17101	1
Repair Storm Inlet	20662	7-6-19	3101 N 6TH ST	1
Repair Storm Inlet	4630	7-9-19	TWENTIETH ST & DERRY ST	2
Repair Storm Inlet	26017	7-11-19	CRANBERRY ST, 17101	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Repair Storm Inlet	26912	7-12-19	TWELFTH ST & MAGNOLIA ST, 17104	1
Repair Storm Inlet	10901	7-15-19	river ally and chestnut st.	1
Repair Storm Inlet	13140	7-16-19	Munench @ Wallace Street	2
Repair Storm Inlet	24156	7-16-19	mulberry and summit	1
Repair Storm Inlet	19642	7-19-19	Kemp alley (Off Hoffman Street)	4
Repair Storm Inlet	27972	7-19-19	1000 S CAMERON ST	1
Repair Storm Inlet	26350	7-23-19	2431 Derry Street	1
Repair Storm Inlet	7972	7-23-19	1424 Derry Street	1
Repair Storm Inlet	28072	7-25-19	Brookwood & Melrose	1
Repair Storm Inlet	28152	7-31-19	Ethel & Brose	2
Repair Storm Inlet	28331	8-2-19	23rd & Brookwood	1
Repair Storm Inlet	26808	8-7-19	Summit	1
Repair Storm Inlet	4652	8-10-19	TWENTIETH ST & DERRY ST	1
Repair Storm Inlet	10401	8-12-19	6th @ Herr Street	1
Repair Storm Inlet	13411	8-12-19	Peffer & 5th	2
Repair Storm Inlet	20666	8-12-19	NORTH ST & CHURCH ST	1
Repair Storm Inlet	23686	8-12-19	4th	1
Repair Storm Inlet	28978	8-12-19	Bartine & Sayford	1
Repair Storm Inlet	9931	8-12-19	16th and Ella	1
Repair Storm Inlet	29005	8-13-19	Brookwood & Hatton	3
Repair Storm Inlet	29006	8-14-19	Wharton & 5th St	1
Repair Storm Inlet	29293	8-16-19	Reily & 4th S. side	1
Repair Storm Inlet	29032	8-17-19	N 2ND & MARKET STS 17101	1
Repair Storm Inlet	8653	8-19-19	SIXTH ST & REILY ST	1
Repair Storm Inlet	13031	8-22-19	Reily @ Lawton Street	1
Repair Storm Inlet	9925	8-22-19	15th and swatara	3
Repair Storm Inlet	25903	8-26-19	WHITEHALL ST & REGINA ST	1
Repair Storm Inlet	27384	8-26-19	REEL ST & WICONISCO ST, 17110	1
Repair Storm Inlet	29379	8-27-19	620 PEFFER ST	1
Repair Storm Inlet	9802	8-27-19	1303 Seventh Street	3
Repair Storm Inlet	18098	8-28-19	Central St.	1
Repair Storm Inlet	13601	8-30-19	EIGHTEENTH ST & PARK ST	4
Repair Storm Inlet	23371	8-30-19	SIXTEENTH ST & CATHERINE ST, 17104	1
Repair Storm Inlet	16115	8-31-19	2nd & walnut	1
Repair Storm Inlet	16136	9-3-19	RIVER ALY & SOUTH ST	1
Repair Storm Inlet	29754	9-5-19	Logan & Dauphin	1
Repair Storm Inlet	29047	9-6-19	7th across from Oxford	1
Repair Storm Inlet	29777	9-6-19	7th & Seneca	1
Repair Storm Inlet	16137	9-11-19	107 South St	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Repair Storm Inlet	15382	9-11-19	18th & Holly	3
Repair Storm Inlet	20633	9-11-19	3101 N 6TH ST	1
Repair Storm Inlet	29765	9-11-19	1521 MAYFLOWER ST	1
Repair Storm Inlet	16781	9-12-19	15th & naudaine st	1
Repair Storm Inlet	19805	9-12-19	!5th & Derry	1
Repair Storm Inlet	29939	9-12-19	15th & naudine	1
Repair Storm Inlet	28165	9-12-19	Industrial Rd.	1
Repair Storm Inlet	18100	9-17-19	Croyden	1
Repair Storm Inlet	18950	9-17-19	Rudy & Yew Place	1
Repair Storm Inlet	18727	9-18-19	KITTATINY & FISHEL ALY	1
Repair Storm Inlet	30062	9-19-19	1900 DERRY ST	1
Repair Storm Inlet	20237	9-20-19	EIGHTEENTH ST & FORSTER ST, 17103	1
Repair Storm Inlet	24667	9-20-19	2444 RUDY RD	1
Repair Storm Inlet	18912	9-26-19	29th & Wilson Parkway	2
Repair Storm Inlet	30237	9-27-19	Emerald St	1
Repair Storm Inlet	18418	9-29-19	FOURTEENTH ST & MARKET ST, 17103	1
Repair Storm Inlet	18972	9-30-19	Wilson Parkway	1
Repair Storm Inlet	23858	10-1-19	North	1
Repair Storm Inlet	18931	10-10-19	wilson parkway and rumson dr.	1
Repair Storm Inlet	24390	10-15-19	1113 JONESTOWN RD, 17103	1
Repair Storm Inlet	30772	10-16-19	14th & Sycamore	1
Repair Storm Inlet	9965	10-16-19	1814 MARKET ST	1
Repair Storm Inlet	19772	10-17-19	Pentwater & Briarcliff	1
Repair Storm Inlet	30802	10-17-19	3rd st near Forester	1
Repair Storm Inlet	14570	10-19-19	Inlet is located opposite 601 25th street	1
Repair Storm Inlet	18971	10-21-19	Rudy & Un named Aly	1
Repair Storm Inlet	18593	10-23-19	25th and Greenwood	1
Repair Storm Inlet	24412	10-23-19	Hanover & 14th	2
Repair Storm Inlet	22858	10-24-19	Hillside/Vineyard & Holly	1
Repair Storm Inlet	14451	10-26-19	17th & Brookwood	2
Repair Storm Inlet	20629	10-28-19	Rolleston & Hanover	2
Repair Storm Inlet	30995	10-28-19	Royal Terrace	1
Repair Storm Inlet	29997	10-30-19	19th & Derry	1
Repair Storm Inlet	30912	10-30-19	Royal Terrace	2
Repair Storm Inlet	17110	10-31-19	SAYFORD ST & BARTINE ST	1
Repair Storm Inlet	13603	11-4-19	2209 SEVENTH ST	1
Repair Storm Inlet	17612	11-5-19	Emerald & Moltke	1
Repair Storm Inlet	18225	11-5-19	Wiconisco & 5th	3

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Description	Work Order Id	Actual Finish	Address	Total Assets
Repair Storm Inlet	20684	11-8-19	DEAN ST & PEMBERTON ST, 17104	2
Repair Storm Inlet	17955	11-10-19	Seneca and 7th	1
Repair Storm Inlet	31466	11-18-19	S 14th St & Market St	1
Repair Storm Inlet	10463	11-21-19	WAYNE ST & EIGHTEENTH ST	3
Repair Storm Inlet	19430	11-25-19	Rudy	1
Repair Storm Inlet	25048	11-26-19	Melrose & Berryhill	1
Repair Storm Inlet	16042	11-27-19	North Second & South Street	1
Repair Storm Inlet	20759	11-27-19	Rolleston & Dean	2
Repair Storm Inlet	31746	12-3-19	720 Market St	2
Repair Storm Inlet	31894	12-5-19	Walnut & Balm	1
Repair Storm Inlet	32041	12-12-19	Turner St	1
Repair Storm Inlet	32042	12-12-19	Logan St & Lewis St	1
Repair Storm Inlet	32090	12-13-19	Columbia Ave & Agate St	1
Repair Storm Inlet	32045	12-15-19	200 Boas St	1
Repair Storm Inlet	13680	12-23-19	Fillmore @ Hatton Street	1
Repair Storm Inlet	31948	12-23-19	Green and Geiger	1
Repair Storm Inlet	32024	12-27-19	1900 walnut street	1
Repair Storm Inlet	32342	12-27-19	S 2nd St & Cranberry Aly	1
Repair Storm Manhole	25766	4-27-19	Woodlawn & Elder	1
Repair Storm Manhole	18170	8-28-19	industrial rd	1
Repair Storm Manhole	30954	12-31-19	GREENWOOD ST & ZERBY ST	1
Repair Storm Pipe	22372	1-14-19	Pemberton st	1
Repair Storm Pipe	5553	2-8-19	EIGHTEENTH ST & DERRY ST	1
Repair Storm Pipe	24558	3-6-19		1
Repair Storm Pipe	21458	3-18-19	25th st RW rear house(s)	1
Repair Storm Pipe	10544	3-19-19	1716 N 3RD ST REAR	1
Repair Storm Pipe	27474	6-24-19	Graham at Joseph & 7th	1
Repair Storm Pipe	29315	8-21-19	3rd and vaughn	2
Repair Storm Pipe	26756	8-29-19	Woodbine and Susq	2
Repair Storm Pipe	28993	10-22-19	Royal Terrace	2
Repair Storm Pipe	29565	12-13-19	15th and North	2
Replace Storm Inlet	17124	2-27-19	Maclay & 3rd	1
Replace Storm Inlet	23988	2-28-19	25th st RW rear house(s)	1
Replace Storm Inlet	4982	5-7-19	13th & Bailey St.	1
Replace Storm Inlet	29886	9-10-19	25th & Brookwood	4
Replace Storm Inlet	29887	9-10-19	18th & brookwood	2
Replace Storm Inlet	29901	9-11-19	Berryhill & Crescent	1
Replace Storm Inlet	30003	9-17-19	2nd & radnor	1
Replace Storm Inlet	30004	9-17-19	Dauphin & Logan	3

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Description	Work Order Id	Actual Finish	Address	Total Assets
Replace Storm Inlet	30134	10-16-19	2nd st near North	1
Replace Storm Inlet	26084	11-21-19	2524 WOODLAWN ST	1
Replace Storm Manhole	24357	3-8-19	TWENTY-THIRD ST & DERRY ST, 17104	1
Replace Storm Pipe	28367	8-16-19	3rd and vaughn	2
Replace Storm Pipe	26038	11-21-19	2524 WOODLAWN ST	3
Street Restoration Storm Pipe	21459	5-8-19	19th and park	2
Street Restoration Storm Pipe	23298	5-30-19	HOLLY ST & CARLISLE ST	2
Street Restoration Storm Pipe	22950	5-30-19	2500 N 5th st	1
Street Restoration Storm Pipe	24949	6-7-19	25th st RW rear house(s)	1
Street Restoration Storm Pipe	21465	6-11-19	1901 N CAMERON ST	1
Street Restoration Storm Pipe	23981	6-19-19	EIGHTEENTH ST & DERRY ST	1
Street Restoration Storm Pipe	27945	9-19-19	Salmon & Hemlock	2
Street Restoration Storm Pipe	29668	9-25-19	Woodbine and Susq	2
Street Restoration Storm Pipe	29303	9-30-19	3rd and vaughn	2
Surface Clean Inlet	23271	1-7-19	16th and paxton street	1
Surface Clean Inlet	23372	1-11-19	228 S 14TH ST	2
Surface Clean Inlet	25743	4-17-19	15th and compass alley	3
Surface Clean Inlet	25789	4-18-19	Front and Schuylkill Street	2
Surface Clean Inlet	26348	5-9-19	2431 Derry Street	1
Surface Clean Inlet	27020	6-7-19	FIFTH ST & RADNOR ST, 17110	3
Surface Clean Inlet	27417	6-17-19	Woodbine and green	4
Surface Clean Inlet	28629	8-9-19	Duke st	2
Surface Clean Inlet	30148	9-24-19	Jefferson St.	5
Surface Clean Inlet	30196	9-24-19	Herr and James Street	2
Surface Clean Inlet	30194	9-25-19	14th and kittanity	2
Surface Clean Inlet	30234	9-26-19	14th and Derry Street	2
Surface Clean Inlet	31727	11-25-19	16th and paxton street	1
Surface Clean Inlet	32185	12-17-19	16th and paxton	1
Surface Clean Inlet	32192	12-18-19	Railroad Barscreen	1
Update GIS	23269	1-8-19	7th and delaware	1
Update GIS	23262	1-8-19	7th	1
Update GIS	23744	1-31-19	Dewberry st	1
Update GIS	23787	1-31-19	Green to Division	1
Update GIS	23782	1-31-19	Green and Shamokin	2
Update GIS	24488	3-7-19	Muench st	1
Update GIS	24490	3-7-19	Muench st	2
Update GIS	24491	3-7-19	Muench st	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Update GIS	24517	3-7-19	Muench st	2
Update GIS	24599	3-11-19	2459 DERRY ST	1
Update GIS	24800	3-13-19	25th st RW rear house(s)	3
Update GIS	25263	3-29-19	Mercer & Melrose st	2
Update GIS	25264	3-29-19	Melrose & Mercer st	1
Update GIS	25265	3-29-19	Melrose & Mercer st	5
Update GIS	25266	3-29-19	Burma & Melrose st	1
Update GIS	24845	3-29-19	BOAS ST & BARTINE ST, 17102	2
Update GIS	24847	3-29-19	BOAS ST & BARTINE ST, 17102	2
Update GIS	25013	3-29-19	1160 South Cameron st	2
Update GIS	23908	5-1-19	Race st	2
Update GIS	24004	5-1-19	Race st RW	2
Update GIS	24007	5-1-19	Race st RW	3
Update GIS	24009	5-1-19	Race st	1
Update GIS	24012	5-1-19	Race and Tuscarara st	1
Update GIS	24014	5-1-19	Race st curbline	3
Update GIS	27385	8-1-19	5th & Lewis	1
Update GIS	27386	8-1-19	5th & Lewis	1
Update GIS	27389	8-1-19	5th & Lewis	1
Update GIS	27390	8-1-19	5th st	2
Update GIS	27391	8-1-19	5th st	1
Update GIS	27476	8-1-19	REILLY TO ARMORY	1
Update GIS	27459	8-1-19	THIRD ST & PINE ST	1
Update GIS	28292	8-1-19	Verbeke st	1
Update GIS	28293	8-1-19	Verbeke st	3
Update GIS	26347	8-1-19	Woodlawn st	1
Update GIS	25929	8-1-19	State and Adams alley	2
Update GIS	27473	8-2-19	REILLY	1
Update GIS	27813	8-2-19	Royal Terrace	2
Update GIS	28243	8-2-19	Forster st	1
Update GIS	28248	8-2-19	Poplar st	2
Update GIS	27946	8-12-19	1000 S CAMERON ST	1
Update GIS	28246	8-12-19	Poplar st R/W	1
Update GIS	28008	8-12-19	Royal Terrace	1
Update GIS	26911	8-12-19	Woodbine and Susq	2
Update GIS	26343	8-12-19	Woodlawn st	1
Update GIS	29368	9-4-19	3rd and vaughn	4
Update GIS	29375	9-4-19	SIXTH ST & REILY ST	1
Update GIS	27998	9-4-19	Royal Terrace	1
Update GIS	29854	9-13-19	15th and North	2
Update GIS	29767	9-13-19	1521 MAYFLOWER ST	2
Update GIS	5224	9-18-19	20th & Ellsworth	1
Update GIS	30297	10-1-19	Market st sidewalk	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Update GIS	30299	10-2-19	TWENTIETH ST & ELLSWORTH ALY	2
Update GIS	30514	10-4-19	2ND & DELAWARE ST	1
Update GIS	20101	10-9-19	Arsenal blvd	5
Update GIS	30621	10-10-19	2ND & DELAWRE ST	1
Update GIS	20767	10-10-19	7th and North Dr going North	3
Update GIS	30827	10-22-19	13TH ST	1
Update GIS	30831	10-22-19	13TH ST	2
Update GIS	31003	10-28-19	27th st	1
Update GIS	31181	11-1-19	Cameron and Kittatinny	3
Update GIS	20769	11-1-19	7th st to North st brick line	1
Update GIS	31640	11-21-19	2524 WOODLAWN ST	1
Update GIS	31852	12-3-19	19th st	1
Update GIS	29473	12-9-19	3201 Front Street	3
Update GIS	31765	12-9-19	13th and Bailey	1
Update GIS	32085	12-16-19		1
Vactor Inlet	23021	1-3-19	Front & Verbeke	3
Vactor Inlet	23022	1-3-19	Verbeke & Bartine	1
Vactor Inlet	23023	1-3-19	Verbeke & 2nd	2
Vactor Inlet	23024	1-4-19	Verbeke & Penn	2
Vactor Inlet	23025	1-4-19	Verbeke & Susquehanna	2
Vactor Inlet	22914	1-4-19	7th	1
Vactor Inlet	23017	1-6-19	Front & Cumberland	2
Vactor Inlet	23019	1-6-19	Sassafras & Green	2
Vactor Inlet	23020	1-6-19	Front	1
Vactor Inlet	23027	1-6-19	Herr & Capital	1
Vactor Inlet	23028	1-6-19	Herr & Green	1
Vactor Inlet	20991	1-7-19	Juniper & Apricot	1
Vactor Inlet	23213	1-7-19	13th St	3
Vactor Inlet	23214	1-7-19	13th St.	3
Vactor Inlet	23218	1-7-19	16th & Paxton	1
Vactor Inlet	22840	1-7-19	Commonwealth	1
Vactor Inlet	23131	1-7-19	3rd and Vaghn	1
Vactor Inlet	23240	1-7-19	Front and Cumberland	1
Vactor Inlet	23202	1-8-19	13th	3
Vactor Inlet	23203	1-8-19	13th St	1
Vactor Inlet	23212	1-8-19	13th St.	2
Vactor Inlet	22898	1-10-19	Front & Graham	3
Vactor Inlet	22904	1-10-19	Front & Manor	3
Vactor Inlet	23303	1-11-19	2020 BERRYHILL ST	3
Vactor Inlet	23242	1-17-19	Capital & Herr	1
Vactor Inlet	23468	1-17-19	1220 FOURTEENTH ST	1

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Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	23480	1-17-19	Commonwealth and Forster	1
Vactor Inlet	18294	1-18-19	Delaware & Rhoads Aly	1
Vactor Inlet	23489	1-25-19	Atlas Alley	1
Vactor Inlet	23490	1-25-19	Atlas Alley	5
Vactor Inlet	23491	1-25-19	5th & Forrest	3
Vactor Inlet	23615	1-25-19	James	3
Vactor Inlet	23693	1-28-19	4th and Clinton	1
Vactor Inlet	23603	1-28-19	Boyd & 2nd	2
Vactor Inlet	23604	1-28-19	Boyd & Penn	2
Vactor Inlet	23606	1-28-19	Boyd & Green	4
Vactor Inlet	23607	1-28-19	Boyd & Susquehanna	2
Vactor Inlet	23616	1-28-19	4th	1
Vactor Inlet	23617	1-28-19	Marion St.	2
Vactor Inlet	23619	1-28-19	Susquehanna & Basin	1
Vactor Inlet	23624	1-28-19	Sayford & James	2
Vactor Inlet	23783	2-3-19	North & 3rd	1
Vactor Inlet	23784	2-3-19	North	2
Vactor Inlet	23697	2-3-19	North & Prince Aly	1
Vactor Inlet	23840	2-3-19	2nd & Blackberyy	1
Vactor Inlet	23747	2-3-19	Liberty & Church	2
Vactor Inlet	23748	2-3-19	Liberty & Willow	3
Vactor Inlet	23601	2-4-19	Clinton & 4th	3
Vactor Inlet	23608	2-5-19	Boyd & Fulton	2
Vactor Inlet	23622	2-5-19	Willaim & Sayford	4
Vactor Inlet	23626	2-5-19	Marion & Sayford	2
Vactor Inlet	23627	2-5-19	Fulton & Sayford	2
Vactor Inlet	23628	2-5-19	Sayford & Renaissance St.	2
Vactor Inlet	23026	2-6-19	Cumberland & Susquehanna	2
Vactor Inlet	23698	2-6-19	Sayford & James	1
Vactor Inlet	23609	2-6-19	Fulton & Kelker Aly	1
Vactor Inlet	23610	2-6-19	5th & Boyd	2
Vactor Inlet	23018	2-7-19	Sassafras & Bartine	3
Vactor Inlet	22841	2-7-19	Commonwealth & Forster	2
Vactor Inlet	23679	2-7-19	2nd @ Union	1
Vactor Inlet	23621	2-7-19	Basin & Penn	2
Vactor Inlet	22838	2-8-19	Boas	1
Vactor Inlet	18493	2-8-19	Between Rudy & Emerald Ct	1
Vactor Inlet	23602	2-8-19	Clinton	2
Vactor Inlet	24076	2-8-19	Thompson St	1
Vactor Inlet	24155	2-14-19	mulberry and summit	1
Vactor Inlet	23596	2-14-19	Clinton & Green	3
Vactor Inlet	23597	2-14-19	Clinton & Susquehanna	2
Vactor Inlet	21360	2-19-19	Evergreen & Haehlen	2

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Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	21361	2-19-19	Hummel & Mulberry	1
Vactor Inlet	21369	2-19-19	Mulberry & Sylvan Ter	1
Vactor Inlet	23098	2-19-19	Thompson St.	1
Vactor Inlet	23669	2-19-19	Front St	2
Vactor Inlet	23670	2-19-19	North & Front	2
Vactor Inlet	23675	2-19-19	Front & Forster	2
Vactor Inlet	23595	2-19-19	Front & Clinton	3
Vactor Inlet	24219	2-19-19	front and liberty	2
Vactor Inlet	18495	2-25-19	Aly's	5
Vactor Inlet	24360	2-25-19	greenwood and davis	4
Vactor Inlet	23667	2-25-19	Liberty & Front	2
Vactor Inlet	23681	2-25-19	Front St.	2
Vactor Inlet	24365	2-26-19	Cloverly Ter. & 14th	2
Vactor Inlet	24366	2-26-19	Cloverly Ter. & Scott St.	1
Vactor Inlet	24367	2-26-19	Scott St	3
Vactor Inlet	24368	2-26-19	Hanover St.	2
Vactor Inlet	24363	2-27-19	Agnew	3
Vactor Inlet	24364	2-27-19	Cloverly Ter. & Agnew	1
Vactor Inlet	24369	2-27-19	Hanover & 14th	6
Vactor Inlet	24370	2-28-19	14th St.	2
Vactor Inlet	24371	2-28-19	13th St.	1
Vactor Inlet	18620	3-11-19	Cranberry & River Aly	1
Vactor Inlet	18622	3-11-19	Cranberry & Court	2
Vactor Inlet	24644	3-12-19	Goodwilll Dr.	1
Vactor Inlet	24645	3-12-19	Goodwill & 12th	1
Vactor Inlet	24646	3-12-19	12th	3
Vactor Inlet	24647	3-12-19	Herr St	3
Vactor Inlet	24649	3-12-19	Herr St.	2
Vactor Inlet	24656	3-12-19	George St.	4
Vactor Inlet	24658	3-12-19	Kelker St.	1
Vactor Inlet	24659	3-12-19	Kelker & George St.	2
Vactor Inlet	24660	3-12-19	Kelker St.	2
Vactor Inlet	24661	3-12-19	9th & Cumberland	2
Vactor Inlet	24554	3-12-19	19th & 83 Interchange	4
Vactor Inlet	24670	3-12-19	Muench & Julia	2
Vactor Inlet	24673	3-12-19	Delaware & Gilmer	3
Vactor Inlet	24802	3-13-19	7th	2
Vactor Inlet	24806	3-13-19	7th	2
Vactor Inlet	24807	3-13-19	7th	2
Vactor Inlet	24808	3-13-19	7th	1
Vactor Inlet	24866	3-13-19	Julia St.	2
Vactor Inlet	24860	3-14-19	7th & North Street	2
Vactor Inlet	24927	3-15-19	Salmon & Sycamore	3

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Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	13042	3-16-19	1400 HERR ST	1
Vactor Inlet	24909	3-16-19	Cameron St	1
Vactor Inlet	24910	3-16-19	Cameron St.	3
Vactor Inlet	24912	3-16-19	Cameron & Magnolia	1
Vactor Inlet	24914	3-16-19	Cameron St.	1
Vactor Inlet	24915	3-16-19	Camreon & Hanover	3
Vactor Inlet	24916	3-16-19	Cameron St.	2
Vactor Inlet	24918	3-16-19	Cameron St.	1
Vactor Inlet	24919	3-16-19	Cameron St.	1
Vactor Inlet	24920	3-16-19	Cameron & Shanois St.	5
Vactor Inlet	24921	3-16-19	Cameron St.	1
Vactor Inlet	24922	3-16-19	Cameron St.	1
Vactor Inlet	24926	3-16-19	Cameron St.	1
Vactor Inlet	24928	3-16-19	Cameron St.	2
Vactor Inlet	24929	3-16-19	Cameron St.	1
Vactor Inlet	24930	3-16-19	Cameron St.	1
Vactor Inlet	24932	3-16-19	Cameron & Hemlock	1
Vactor Inlet	24934	3-16-19	Cameron St.	1
Vactor Inlet	24937	3-16-19	Cameron & Shannon St.	1
Vactor Inlet	24938	3-16-19	Cameron & Hanna St.	3
Vactor Inlet	24939	3-16-19	Cameron St.	3
Vactor Inlet	24940	3-16-19	Cameron St.	2
Vactor Inlet	24941	3-16-19	Cameron St	1
Vactor Inlet	24942	3-16-19	Cameron & Paxton	2
Vactor Inlet	24977	3-16-19	Market & Evergreen	2
Vactor Inlet	21759	3-17-19	South & Court/Susquehanna	2
Vactor Inlet	23199	3-17-19	Dewberry St	1
Vactor Inlet	18818	3-17-19	234 SOUTH ST	1
Vactor Inlet	18621	3-17-19	Cranberry west of 2nd	1
Vactor Inlet	18624	3-17-19	Pine & 2nd	1
Vactor Inlet	24652	3-19-19	12th & Reily	2
Vactor Inlet	23805	3-19-19	Melrose & Berryhill	1
Vactor Inlet	25046	3-19-19	2255 BERRYHILL ST	1
Vactor Inlet	25049	3-19-19	EIGHTEENTH ST & BELLEVUE RD, 17104	2
Vactor Inlet	21754	3-22-19	South & Front	3
Vactor Inlet	21757	3-22-19	South west of Court	2
Vactor Inlet	21760	3-22-19	Barbara & Front	3
Vactor Inlet	25064	3-24-19	2nd & Chestnut	2
Vactor Inlet	25065	3-24-19	Front & Chestnut	3
Vactor Inlet	25292	3-30-19	Cameron & Paxton	2
Vactor Inlet	25296	3-30-19	Cameron St.	2
Vactor Inlet	25297	3-30-19	Cameron St.	3

Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	25299	3-30-19	Cameron St.	2
Vactor Inlet	25300	3-30-19	Cameron St.	2
Vactor Inlet	25301	3-30-19	Cameron St.	2
Vactor Inlet	25302	3-30-19	Cameron St.	2
Vactor Inlet	25303	3-30-19	Cameron St.	2
Vactor Inlet	25304	3-30-19	Cameron St.	2
Vactor Inlet	25305	3-30-19	Cameron St.	2
Vactor Inlet	25342	3-30-19	HERR ST, 17102, 17102	2
Vactor Inlet	24651	4-4-19	Reily Rd.	2
Vactor Inlet	24653	4-4-19	12th & Hillside Vlg.	3
Vactor Inlet	24654	4-4-19	12th	2
Vactor Inlet	24911	4-4-19	Cameron & 13th St.	1
Vactor Inlet	23215	4-9-19	Paxton St	2
Vactor Inlet	23216	4-9-19	Paxton St.	2
Vactor Inlet	23217	4-9-19	Paxton St	4
Vactor Inlet	24427	4-9-19	Cameron & Jonestown	2
Vactor Inlet	24430	4-9-19	Jonestown Rd.	4
Vactor Inlet	24431	4-9-19	Jonestown Rd.	4
Vactor Inlet	25586	4-9-19	Jonestown Rd	1
Vactor Inlet	25306	4-9-19	Cameron St.	1
Vactor Inlet	25307	4-9-19	Cameron St.	4
Vactor Inlet	25309	4-9-19	Cameron St.	2
Vactor Inlet	25310	4-9-19	Cameron St.	2
Vactor Inlet	25311	4-9-19	Cameron St.	2
Vactor Inlet	25312	4-9-19	Cameron St.	2
Vactor Inlet	25613	4-10-19	342 HARRIS ST	2
Vactor Inlet	24422	4-11-19	Bailey	2
Vactor Inlet	24424	4-11-19	12th & Shrub	2
Vactor Inlet	25294	4-13-19	Cameron St.	3
Vactor Inlet	25657	4-13-19	98 S. Cameron St.	3
Vactor Inlet	25658	4-13-19	206-34 S. cameron Street	3
Vactor Inlet	25660	4-13-19	436 S. Cameron St.	4
Vactor Inlet	25661	4-13-19	1000 Paxton St.	5
Vactor Inlet	25638	4-13-19	Cameron Street	1
Vactor Inlet	23677	4-15-19	Union & Bartine	2
Vactor Inlet	21510	4-16-19	Kittatinny west of Crescent	1
Vactor Inlet	21214	4-16-19	Hetrick St	1
Vactor Inlet	24423	4-16-19	Bailey & Linden	1
Vactor Inlet	24425	4-16-19	Shrub & Summit	2
Vactor Inlet	24426	4-16-19	Shrub & Balm	2
Vactor Inlet	25691	4-16-19	fulton and geiger	1
Vactor Inlet	22934	4-22-19	Geiger St.	2
Vactor Inlet	22921	4-25-19	7th	5

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Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	25103	4-25-19	15th & Herr st	1
Vactor Inlet	25869	4-25-19	7th	1
Vactor Inlet	25871	4-25-19	7th	4
Vactor Inlet	25872	4-25-19	7th	2
Vactor Inlet	25823	4-25-19	Paxton St.	3
Vactor Inlet	25878	4-27-19	Cameron & Herr	4
Vactor Inlet	25879	4-27-19	Herr & Florence	1
Vactor Inlet	25880	4-27-19	Cameron & Herr	2
Vactor Inlet	25881	4-27-19	Cameron & 10th	5
Vactor Inlet	25882	4-27-19	Cameron & Herr	1
Vactor Inlet	25883	4-27-19	Cameron St.	1
Vactor Inlet	25829	4-27-19	Cameron St.	2
Vactor Inlet	25848	4-27-19	Cameron St	1
Vactor Inlet	25943	4-27-19	12th & Herr	1
Vactor Inlet	25822	4-30-19	Paxton St.	6
Vactor Inlet	24805	5-1-19	7th	1
Vactor Inlet	25045	5-1-19	WOODBINE & 7TH ST	1
Vactor Inlet	25994	5-1-19	City Island	2
Vactor Inlet	24672	5-2-19	Julia & Delaware	1
Vactor Inlet	24810	5-3-19	7th	2
Vactor Inlet	24812	5-3-19	7th	2
Vactor Inlet	26155	5-8-19	Monoroe & Verbeke	3
Vactor Inlet	26156	5-8-19	12th & Cumberland	1
Vactor Inlet	26157	5-8-19	Cumberland & Monroe	2
Vactor Inlet	26158	5-9-19	Cumberland	2
Vactor Inlet	25873	5-11-19	Cameron St.	2
Vactor Inlet	25875	5-11-19	Cameron St.	2
Vactor Inlet	25827	5-11-19	Cameron St.	3
Vactor Inlet	25831	5-11-19	Cameron St	4
Vactor Inlet	25845	5-11-19	Cameron & State	1
Vactor Inlet	25846	5-11-19	Cameron St.	2
Vactor Inlet	25849	5-11-19	Cameron & Goodwill	3
Vactor Inlet	25941	5-11-19	Cameron Str	2
Vactor Inlet	26159	5-11-19	Cameron St.	5
Vactor Inlet	26160	5-11-19	Cameron St.	5
Vactor Inlet	26377	5-11-19	Cameron St.	3
Vactor Inlet	26378	5-11-19	Cameron St.	2
Vactor Inlet	26451	5-11-19	East Side Cameron Street	4
Vactor Inlet	26663	5-11-19	Cameron Street East Side	2
Vactor Inlet	26668	5-11-19	Cameron St.	2
Vactor Inlet	26529	5-16-19	CAPITAL ST & PEAR ST, 17102	1
Vactor Inlet	26530	5-16-19	JEFFERSON ST & WOODBINE ST, 17110	2

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Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	26526	5-16-19	2151 GREENWOOD ST, 17104	4
Vactor Inlet	25102	5-17-19	SEVENTEENTH ST & DERRY ST, 17104	1
Vactor Inlet	25856	5-17-19	Market St	2
Vactor Inlet	26565	5-17-19	532 SCHUYLKILL ST	3
Vactor Inlet	26567	5-17-19	SIXTEENTH ST & HERR ST, 17103	2
Vactor Inlet	26686	5-22-19	Industrial Rd.	6
Vactor Inlet	25035	5-28-19	Front & Mary	2
Vactor Inlet	25039	5-28-19	Front St.	2
Vactor Inlet	25104	5-28-19	18th & Derry st	2
Vactor Inlet	25037	5-29-19	2nd & Washington	2
Vactor Inlet	25036	5-30-19	Mary & 2nd	1
Vactor Inlet	25040	5-30-19	2nd	2
Vactor Inlet	26798	5-30-19	Chestnut & Evergreen	2
Vactor Inlet	26827	5-31-19	Chestnut and Evergreen Street	1
Vactor Inlet	26802	5-31-19	Thompson - Evergreen & Linden	3
Vactor Inlet	26803	5-31-19	13th & Thompson	1
Vactor Inlet	26804	5-31-19	Thompson & Crooked	2
Vactor Inlet	23785	6-1-19	North	2
Vactor Inlet	23786	6-1-19	North	3
Vactor Inlet	23789	6-1-19	North	2
Vactor Inlet	23791	6-1-19	Commonwealth & North	1
Vactor Inlet	26841	6-1-19	3Rd ST.	2
Vactor Inlet	26842	6-1-19	3Rd. St.	2
Vactor Inlet	26810	6-1-19	Market & 5th	1
Vactor Inlet	26814	6-1-19	Market St.	1
Vactor Inlet	18717	6-2-19	400 MARKET ST	2
Vactor Inlet	24813	6-2-19	7th	3
Vactor Inlet	26809	6-2-19	Market St	2
Vactor Inlet	21362	6-3-19	Derry & Christian	1
Vactor Inlet	23201	6-3-19	4th n. of Chestnut	1
Vactor Inlet	23275	6-3-19	Commonwealth Ave	1
Vactor Inlet	23665	6-3-19	Liberty & Buttonwood	2
Vactor Inlet	25034	6-3-19	18th & Bellevue	1
Vactor Inlet	26793	6-3-19	Briarcliff	2
Vactor Inlet	26795	6-3-19	Whitehall St.	2
Vactor Inlet	26744	6-3-19	Penn St.	1
Vactor Inlet	26991	6-6-19	SECOND ST & GRAHAM ST, 17110	1
Vactor Inlet	27014	6-7-19	542 S 19TH ST	1

Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	27015	6-7-19	NINETEENTH ST & BELLEVUE RD, 17104	1
Vactor Inlet	27016	6-7-19	HERR ST & PENN ST, 17102	1
Vactor Inlet	27017	6-7-19	THIRD ST & VAUGHN ST	2
Vactor Inlet	27019	6-7-19	329 S FRONT ST	1
Vactor Inlet	26921	6-10-19	Brensinger Aly	1
Vactor Inlet	26979	6-10-19	2nd St.	1
Vactor Inlet	26980	6-10-19	2nd St.	1
Vactor Inlet	22908	6-11-19	Reels & Turner	1
Vactor Inlet	25038	6-11-19	Washington & River	2
Vactor Inlet	27074	6-11-19	4th	1
Vactor Inlet	27075	6-11-19	Logan & Delaware	4
Vactor Inlet	26922	6-11-19	Atlas St.	1
Vactor Inlet	26923	6-11-19	3rd St.	2
Vactor Inlet	26973	6-11-19	Paxton St.	1
Vactor Inlet	26974	6-11-19	Tuscarora St.	1
Vactor Inlet	26976	6-11-19	2nd & Paxton St.	2
Vactor Inlet	26978	6-11-19	2nd Street	1
Vactor Inlet	18386	6-12-19	1339 S. 18th	2
Vactor Inlet	27101	6-12-19	17th & Helen	1
Vactor Inlet	27105	6-12-19	18th & Miller	1
Vactor Inlet	27106	6-12-19	Carlisle St.	2
Vactor Inlet	27013	6-12-19	Mulberry	2
Vactor Inlet	27221	6-14-19	Forster	1
Vactor Inlet	27226	6-14-19	Green & Forster	2
Vactor Inlet	27236	6-14-19	Green & Sayford	3
Vactor Inlet	27238	6-14-19	Sayford & Penn	4
Vactor Inlet	25828	6-15-19	Cameron St.	2
Vactor Inlet	27123	6-15-19	Cameron St.	1
Vactor Inlet	27128	6-15-19	Cameron & Calder	2
Vactor Inlet	27129	6-15-19	Cameron & Calder	1
Vactor Inlet	27143	6-15-19	Cameron St.	1
Vactor Inlet	27130	6-15-19	Cameron & Reily	2
Vactor Inlet	27131	6-15-19	Cameron & Reily	1
Vactor Inlet	27132	6-15-19	Cameron St.	2
Vactor Inlet	27133	6-15-19	Cameron St.	1
Vactor Inlet	27134	6-15-19	Cameron St.	3
Vactor Inlet	27136	6-15-19	Cameron St.	3
Vactor Inlet	27137	6-15-19	Cameron St	2
Vactor Inlet	25939	6-16-19	Herr & Cameron	1
Vactor Inlet	27140	6-16-19	Cameron St.	1
Vactor Inlet	27141	6-16-19	Cameron St.	3
Vactor Inlet	27144	6-16-19	Cameron & Arsenal	2

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	27135	6-16-19	Cameron St	2
Vactor Inlet	27138	6-16-19	Cameron & Kelker	3
Vactor Inlet	27139	6-16-19	Cameron St.	2
Vactor Inlet	24944	6-17-19	Hatton	4
Vactor Inlet	27278	6-17-19	Berryhill St.	1
Vactor Inlet	27279	6-17-19	Johnson St	2
Vactor Inlet	27281	6-17-19	Melrose & Mercer	1
Vactor Inlet	27282	6-17-19	Mercer St.	1
Vactor Inlet	27292	6-18-19	Unamed Aly between Rudy & Harris Terrace	6
Vactor Inlet	27294	6-18-19	25th @ Kline Village	2
Vactor Inlet	27229	6-18-19	3rd St.	1
Vactor Inlet	27231	6-18-19	Capital St.	2
Vactor Inlet	27234	6-18-19	Capital St.	2
Vactor Inlet	27316	6-19-19	17th & Manada	4
Vactor Inlet	27317	6-19-19	Manada St.	4
Vactor Inlet	27418	6-20-19	1504 MARKET ST, 17103	1
Vactor Inlet	27318	6-20-19	18th & Paxton	3
Vactor Inlet	27319	6-20-19	Paxton & Rolleston	1
Vactor Inlet	27320	6-20-19	Paxton St.	2
Vactor Inlet	27321	6-20-19	Randolph St.	1
Vactor Inlet	27216	6-22-19	Forster St.	4
Vactor Inlet	27218	6-22-19	6th	1
Vactor Inlet	27223	6-22-19	Forster	2
Vactor Inlet	27224	6-22-19	Forster	2
Vactor Inlet	27227	6-22-19	3rd St.	1
Vactor Inlet	27148	6-24-19	Maclay St.	6
Vactor Inlet	27145	6-26-19	Arsenal Blvd	3
Vactor Inlet	15279	6-27-19	Crooked St.	1
Vactor Inlet	27154	6-27-19	Industrial Rd & Alumni Dr.	2
Vactor Inlet	27185	6-27-19	Industrial Rd.	1
Vactor Inlet	27186	6-27-19	Industrial Rd	2
Vactor Inlet	27192	6-27-19	Industrial Rd.	1
Vactor Inlet	19129	6-29-19	Behind 351 Chestnut Street	1
Vactor Inlet	26838	6-29-19	Front & State	2
Vactor Inlet	26840	6-29-19	State St.	2
Vactor Inlet	26843	6-29-19	State	2
Vactor Inlet	26815	6-29-19	Market St	4
Vactor Inlet	26816	6-29-19	Blackberry & 3rd	1
Vactor Inlet	26817	6-29-19	Blackberry & Court	4
Vactor Inlet	26822	6-29-19	Market & 2nd	4
Vactor Inlet	26823	6-29-19	Strawberry & River Aly	2
Vactor Inlet	26824	6-29-19	Court & Market	1

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CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	26825	6-29-19	Strawberry	2
Vactor Inlet	27196	6-29-19	7th St	2
Vactor Inlet	27166	6-29-19	2nd St.	1
Vactor Inlet	14182	7-1-19	3320 Industrial Rd.	2
Vactor Inlet	27160	7-1-19	Industrial Rd	1
Vactor Inlet	27187	7-1-19	Industrial Rd.	2
Vactor Inlet	27189	7-1-19	Industrial Rd.	2
Vactor Inlet	27190	7-1-19	Industrial Rd.	3
Vactor Inlet	27191	7-1-19	Industrial Rd.	1
Vactor Inlet	27689	7-5-19	1946 MANADA ST	2
Vactor Inlet	27819	7-11-19	Front & Chestnut	1
Vactor Inlet	22687	7-25-19	19th so of Sycamore	1
Vactor Inlet	24429	7-25-19	Jonestown Rd.	1
Vactor Inlet	25826	7-25-19	Cameron St.	1
Vactor Inlet	27127	7-25-19	Calder St.	1
Vactor Inlet	27077	7-26-19	Ethel & Brose	1
Vactor Inlet	27209	7-27-19	Forster	3
Vactor Inlet	27151	7-27-19	Maclay St	5
Vactor Inlet	27152	7-27-19	Industrial Rd.	1
Vactor Inlet	27155	7-27-19	Industrial Rd.	1
Vactor Inlet	27156	7-27-19	Industrial Rd. & service Dr.	1
Vactor Inlet	27159	7-27-19	Industrial Rd.	2
Vactor Inlet	27182	7-27-19	Industrial Rd.	1
Vactor Inlet	27184	7-27-19	Industrial Rd	1
Vactor Inlet	27188	7-27-19	Industrial Rd.	2
Vactor Inlet	27297	7-27-19	Forester Street South Side	1
Vactor Inlet	27215	7-27-19	Forster	3
Vactor Inlet	27220	7-27-19	Forster	3
Vactor Inlet	27146	7-28-19	Cameron St.	3
Vactor Inlet	27195	7-29-19	7th St	3
Vactor Inlet	27193	7-29-19	7th	1
Vactor Inlet	18817	7-30-19	Mount Pleasant Aly & Honey St.	1
Vactor Inlet	28176	7-30-19	Penn St.	2
Vactor Inlet	28177	7-30-19	Penn & Seneca	1
Vactor Inlet	28185	7-30-19	Hamilton & Wood	1
Vactor Inlet	28270	7-31-19	Allet between 5th & Fulton off Hamilton	1
Vactor Inlet	28272	7-31-19	Hamilton & Susquehanna	1
Vactor Inlet	28179	7-31-19	James St	2
Vactor Inlet	28182	7-31-19	4th & Hamilton	1
Vactor Inlet	28183	7-31-19	4th & Fulton	2
Vactor Inlet	28184	7-31-19	Hamilton & 5th	3

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	28186	7-31-19	4th & Delaware	3
Vactor Inlet	28187	7-31-19	Muench St.	1
Vactor Inlet	19795	8-3-19	Herr & 20th	2
Vactor Inlet	27150	8-3-19	Maclay St	2
Vactor Inlet	28188	8-3-19	Commonwealth Ave.	9
Vactor Inlet	28189	8-3-19	North Dr.	1
Vactor Inlet	27355	8-3-19	Cameron & State	1
Vactor Inlet	28336	8-3-19	Herr St.	3
Vactor Inlet	26796	8-5-19	Summit	1
Vactor Inlet	28422	8-5-19	BRIGGS ST & SUSQUEHANNA ST	1
Vactor Inlet	28426	8-5-19	SUSQUEHANNA ST, 17101	2
Vactor Inlet	26247	8-6-19	225 BUCKTHORN ST	1
Vactor Inlet	26800	8-6-19	Thompson & Honey	1
Vactor Inlet	26839	8-15-19	State St.	1
Vactor Inlet	26844	8-15-19	State & Buttonwood	1
Vactor Inlet	28269	8-22-19	Alley Between 4th & Fulton off Hamilton	1
Vactor Inlet	28173	8-22-19	Charles & Penn	2
Vactor Inlet	28180	8-22-19	William St.	1
Vactor Inlet	22870	8-23-19	Grand Street & Boas	1
Vactor Inlet	28178	8-23-19	Calder	1
Vactor Inlet	29316	8-23-19	6th	2
Vactor Inlet	21368	8-24-19	Crescent & Mulberry	1
Vactor Inlet	27208	8-24-19	7th	2
Vactor Inlet	26984	8-24-19	Front St.	1
Vactor Inlet	28546	8-24-19	North St.	1
Vactor Inlet	28172	8-24-19	2nd & Charles	4
Vactor Inlet	28175	8-24-19	Front & Delaware	3
Vactor Inlet	22769	8-26-19	Industrial Rd.	2
Vactor Inlet	17954	8-26-19	Seneca and 7th	1
Vactor Inlet	27153	8-26-19	Industrial Rd.	1
Vactor Inlet	28544	8-26-19	2nd St	1
Vactor Inlet	18021	8-27-19	Central St.	1
Vactor Inlet	27103	8-27-19	Liberty & helena Aly	2
Vactor Inlet	27277	8-27-19	Home St & Central St.	1
Vactor Inlet	27284	8-27-19	Unamed Aly	1
Vactor Inlet	28454	8-28-19	5th & Wharton	1
Vactor Inlet	21034	8-30-19	9th & Walunt	1
Vactor Inlet	26268	8-30-19	12th and Cumberland	1
Vactor Inlet	29667	9-4-19	17th & North	1
Vactor Inlet	29688	9-11-19	1233 THIRD ST	1
Vactor Inlet	29690	9-11-19	FOURTH ST & SAYFORD ST	1
Vactor Inlet	29691	9-11-19	1233 THIRD ST	1

CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	30104	9-12-19	Cloverly Heights	15
Vactor Inlet	29922	9-17-19	500 CALDER ST, 17102	2
Vactor Inlet	30042	9-19-19	2444 RUDY RD	1
Vactor Inlet	29488	9-19-19	Granite	2
Vactor Inlet	30069	9-20-19	17th & Sumner	3
Vactor Inlet	30070	9-20-19	17th	4
Vactor Inlet	30071	9-20-19	17th & Hanover Rd.	1
Vactor Inlet	30072	9-20-19	Hanover Rd	2
Vactor Inlet	30073	9-20-19	Hanover Rd.	2
Vactor Inlet	30075	9-20-19	Wharton Aly	1
Vactor Inlet	30077	9-20-19	Turner & Sprague	1
Vactor Inlet	30074	9-23-19	Hanover Rd.	2
Vactor Inlet	30087	9-23-19	Ibex & Revere	1
Vactor Inlet	30090	9-23-19	Hanover & Pigeon	1
Vactor Inlet	20085	9-26-19	Augusta	2
Vactor Inlet	30204	9-26-19	25th & Duke	2
Vactor Inlet	30231	9-26-19	Bolton St.	1
Vactor Inlet	30078	9-26-19	Mayflower & 15th	1
Vactor Inlet	30081	9-26-19	McCleaster & 24th	1
Vactor Inlet	30085	9-26-19	Parkway Dr.	1
Vactor Inlet	30088	9-26-19	City Island	1
Vactor Inlet	30089	9-26-19	City Island	1
Vactor Inlet	30098	9-26-19	Cloverly Terrace	1
Vactor Inlet	22919	9-27-19	Emerald St	1
Vactor Inlet	26806	9-27-19	Derry St.	1
Vactor Inlet	30265	9-27-19	14th & Market	1
Vactor Inlet	29622	9-27-19	Holly & 18Th	2
Vactor Inlet	23860	9-28-19	North and 3rd Street, South Side	1
Vactor Inlet	27322	9-28-19	Cameron St	1
Vactor Inlet	30513	10-2-19	North 2nd and Delaware	2
Vactor Inlet	21755	10-5-19	South & River Aly	1
Vactor Inlet	29998	10-25-19	19th & Derry	1
Vactor Inlet	31077	10-29-19	17th & Brookwood St.	2
Vactor Inlet	31119	10-31-19	12th & Hanover	3
Vactor Inlet	21035	11-22-19	9th St.	2
Vactor Inlet	16073	11-22-19	Geiger & Penn	1
Vactor Inlet	27240	11-22-19	2nd St.	1
Vactor Inlet	30977	11-22-19	Bailey & Baum	3
Vactor Inlet	30979	11-22-19	Bailey & Summit	2
Vactor Inlet	30980	11-22-19	Bailey & 13th	1
Vactor Inlet	31889	11-22-19	Summit & Jonestown	2
Vactor Inlet	31891	11-22-19	Summit & King St.	2

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CAPITAL REGION WATER
Collection System Activity Report
01-01-2019 to 12-31-2019

Description	Work Order Id	Actual Finish	Address	Total Assets
Vactor Inlet	31929	12-5-19	Balm and walnut	1
Vactor Inlet	31947	12-6-19	3rd and boas street	2
Vactor Inlet	32022	12-11-19	1900 walnut street	1

Appendix K

APPENDIX K-1

WEIR REHABILITATION REPORT

Weir Rehabilitation Report

CSO Number	Date	Location	Weir Type	Old Weir Height	Adjustment Amount	New Weir Height	Comments
005	9/7/1991	Front & Lewis	Straight	6.13	5.25	11.38	Raised weir with a redwood cap.
006	9/7/1991	Front & Geiger	Curved	6.13	5.25	11.38	Raised weir with a redwood cap.
006	10/2/2002	Front & Geiger	Curved	11.38	5.62	17.00	Raised weir with a concrete lintel.
007	9/9/1991	Front & Peffer	Curved	5.50	5.25	10.75	Raised weir with a redwood cap.
008	9/7/1991	Front & Muench	Straight	12.00	5.25	17.50	Raised weir with a redwood cap.
008	6/12/2001	Front & Muench	Straight	17.50	2.00	19.50	Raised weir with a concrete lintel.
009	9/8/1991	Front & Hamilton	Straight	9.00	5.25	14.25	Raised weir with a redwood cap.
010	9/10/1991	Front & Reilly	Curved	2.50	5.25	7.75	Raised weir with a redwood cap.
011	9/8/1991	Front & Calder	Curved	12.00	5.25	17.25	Raised weir with a redwood cap.
012	11/7/2002	Front & Verbeke	Straight	3.00	12.00	15.00	Raised weir with a concrete lintel.
013	9/8/1991	Front & Cumberland	Curved	9.25	5.25	14.50	Raised weir with a redwood cap.
014	6/4/2001	Front & Boas	Curved	13.50	5.00	18.50	Raised weir with a concrete lintel.
015	4/3/2001	Front & Forster	Straight	13.50	5.00	18.50	Raised weir with a concrete lintel.
017	6/12/2001	Front & Market	Curved	6.50	8.00	14.50	Raised weir with a concrete lintel.
021	1/14/2010	Cameron & Schuylkill	Straight	11.50	4.50	16.00	Replaced with concrete lintels
023	6/28/2001	Cameron & Calder	Curved	3.50	7.00	10.50	Raised weir with two layers of brick.
026	4/22/1994	Cameron & Cumberland	Straight	2.50	2.50	5.00	Raised weir with plastic.
026	6/26/2001	Cameron & Cumberland	Straight	5.00	16.00	21.00	Raised weir with a concrete lintel.
031	10/10/2003	Cameron & State	Straight	7.00	5.75	12.75	Raised weir with a concrete lintel.
033	6/22/2001	Cameron & Walnut (East	Straight	8.25	5.25	13.50	Raised weir with a redwood cap.
043	9/13/2001	Kittatinny & Cameron (N	Straight	8.75	8.00	16.75	Raised weir with a concrete lintel.
048	8/21/2003	Tenth & Shannon	Straight	11.00	15.00	26.00	Raised weir with concret lintels.
049	9/7/1991	Front & Schuylkill	Straight	6.50	5.25	11.75	Raised weir with a redwood cap.
049	6/1/2001	Front & Schuylkill	Straight	11.75	8.00	19.75	Raised weir with a concrete lintel.
050	9/7/1991	Seneca & Susquehanna	Curved	8.00	5.25	13.25	Raised weir with a redwood cap.
050	5/4/2001	Seneca & Susquehanna	Curved	13.25	2.00	15.25	Raised weir with a concrete lintel.
051	9/7/1991	Woodbine & Green	Straight	5.25	5.25	10.50	Raised weir with a redwood cap.
052	8/19/1991	Front & State	Straight	4.00	1.50	5.50	Raised weir with a redwood cap.
053	6/4/2001	Front & South	Curved	12.50	8.00	20.50	Raised weir with a concrete lintel.
056	5/30/2001	Front & Walnut	Curved	8.00	8.00	16.00	Raised weir with a concrete lintel.
061	10/2/2003	Tenth & Sycamore (059/	Curved	7.00	6.88	13.88	Raised weir with a concrete lintel.
062	5/31/2001	Shanois Street	Straight	3.50	2.00	5.50	Raised weir with aluminum plate.

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APPENDIX K-2

PREVENTIVE MAINTENANCE REPORT

CAPITAL REGION WATER
CSO Preventative Maintenance Report
01-01-2019 to 12-31-2019

Asset Id	Work Order Id	Description	Actual Finish	Address
CSO-004	21124	Semi-Annual PM; CSO Type B	04-22-19	FRONT & VAUGHN
CSO-004	25802	Semi-Annual PM; CSO Type B	10-16-19	FRONT & VAUGHN
CSO-005	21125	Semi-Annual PM; CSO Type A	04-22-19	FRONT & LEWIS
CSO-005	25803	Semi-Annual PM; CSO Type A	10-16-19	FRONT & LEWIS
CSO-006	21094	Semi-Annual PM; CSO Type A	04-14-19	FRONT & GEIGER
CSO-006	25666	Semi-Annual PM; CSO Type A	10-23-19	FRONT & GEIGER
CSO-007	21095	Semi-Annual PM; CSO Type A	04-03-19	FRONT & PEFFER
CSO-007	28114	Clean CSO Site	07-15-19	Front and Peffer Street
CSO-007	28114	Clean CSO Site	07-15-19	Front and Peffer Street
CSO-007	27911	Semi-Annual PM; CSO Type A	09-22-19	FRONT & PEFFER
CSO-008	21570	Semi-Annual PM; CSO Type A	05-04-19	FRONT & MUENCH
CSO-008	28116	Clean CSO Site	07-25-19	Front and Muench
CSO-008	27913	Semi-Annual PM; CSO Type A	10-30-19	FRONT & MUENCH
CSO-009	21348	Semi-Annual PM; CSO Type A	04-23-19	FRONT & HAMILTON
CSO-009	25825	Semi-Annual PM; CSO Type A	10-29-19	FRONT & HAMILTON
CSO-010	21096	Semi-Annual PM; CSO Type A	04-03-19	FRONT & REILY
CSO-010	25441	Semi-Annual PM; CSO Type A	10-21-19	FRONT & REILY
CSO-011	21097	Semi-Annual PM; CSO Type A	04-22-19	FRONT & CALDER
CSO-011	29570	Clean CSO Site	08-18-19	Front and calder
CSO-011	25805	Semi-Annual PM; CSO Type A	10-21-19	FRONT & CALDER
CSO-012	21099	Semi-Annual PM; CSO Type A	04-03-19	FRONT & VERBEKE
CSO-012	25442	Semi-Annual PM; CSO Type A	10-21-19	FRONT & VERBEKE
CSO-013	21147	Semi-Annual PM; CSO Type A	04-09-19	FRONT & CUMBERLAND
CSO-013	25568	Semi-Annual PM; CSO Type A	10-21-19	FRONT & CUMBERLAND
CSO-014	21100	Semi-Annual PM; CSO Type C	04-03-19	FRONT & BOAS
CSO-014	25443	Semi-Annual PM; CSO Type C	10-11-19	FRONT & BOAS
CSO-015	21548	Semi-Annual PM; CSO Type A	04-22-19	Front & Forster
CSO-015	25804	Semi-Annual PM; CSO Type A	10-28-19	Front & Forster
CSO-016	21063	Semi-Annual PM; CSO Type A	04-09-19	FRONT & LIBERTY
CSO-016	25569	Semi-Annual PM; CSO Type A	10-23-19	FRONT & LIBERTY
CSO-017	21092	Semi-Annual PM; CSO Type A	04-08-19	FRONT & MARKET
CSO-017	25547	Semi-Annual PM; CSO Type A	10-28-19	FRONT & MARKET
CSO-018	21350	Semi-Annual PM; CSO Type A	04-22-19	FRONT & MULBERRY
CSO-018	25809	Semi-Annual PM; CSO Type A	10-29-19	FRONT & MULBERRY
CSO-019	21146	Semi-Annual PM; CSO Type B	04-05-19	FRONT & PAXTON
CSO-019	25550	Semi-Annual PM; CSO Type B	10-11-19	FRONT & PAXTON
CSO-020	21126	Semi-Annual PM; CSO Type B	04-09-19	FRONT & HANNA
CSO-020	25570	Semi-Annual PM; CSO Type B	10-10-19	FRONT & HANNA
CSO-021	21123	Semi-Annual PM; CSO Type A	04-04-19	CAMERON & SCHUYLKILL
CSO-021	25513	Semi-Annual PM; CSO Type A	10-04-19	CAMERON & SCHUYLKILL
CSO-022	21270	Semi-Annual PM; CSO Type B	04-18-19	FORREST & CAMERON
CSO-022	25768	Semi-Annual PM; CSO Type B	10-07-19	FORREST & CAMERON
CSO-023	21062	Semi-Annual PM; CSO Type D	04-18-19	CAMERON & CALDER
CSO-023	29540	Clean CSO Site	08-18-19	Cameron and calder
CSO-023	29540	Clean CSO Site	08-18-19	Cameron and calder

CAPITAL REGION WATER
CSO Preventative Maintenance Report
01-01-2019 to 12-31-2019

Asset Id	Work Order Id	Description	Actual Finish	Address
CSO-023	25770	Semi-Annual PM; CSO Type D	10-07-19	CAMERON & CALDER
CSO-024	21041	Semi-Annual PM; CSO Type C	04-06-19	HILL CHAMBER T.R.W.
CSO-024	29539	Clean CSO Site	08-18-19	Hill chamber (TRW)
CSO-024	25514	Semi-Annual PM; CSO Type C	10-10-19	HILL CHAMBER T.R.W.
CSO-025	20979	Semi-Annual PM; CSO Type A	04-08-19	N. CAMERON & CUMBERLAND
CSO-025	25531	Semi-Annual PM; CSO Type A	10-07-19	N. CAMERON & CUMBERLAND
CSO-026	20935	Semi-Annual PM; CSO Type B	04-08-19	S. CAMERON & CUMBERLAND
CSO-026	29526	Clean CSO Site	08-18-19	South cumberland and cameron
CSO-026	29526	Clean CSO Site	08-18-19	South cumberland and cameron
CSO-026	25532	Semi-Annual PM; CSO Type B	10-07-19	S. CAMERON & CUMBERLAND
CSO-027	21042	Semi-Annual PM; CSO Type B	04-06-19	9TH & CUMBERLAND
CSO-027	25516	Semi-Annual PM; CSO Type B	09-07-19	9TH & CUMBERLAND
CSO-028	21342	Semi-Annual PM; CSO Type A	04-06-19	9TH & HERR
CSO-028	25515	Semi-Annual PM; CSO Type A	09-07-19	9TH & HERR
CSO-029	20980	Semi-Annual PM; CSO Type A	04-18-19	E. CAMERON & NORTH
CSO-029	29524	Clean CSO Site	08-19-19	East Cameron and North
CSO-029	25785	Semi-Annual PM; CSO Type A	09-10-19	E. CAMERON & NORTH
CSO-030	20981	Semi-Annual PM; CSO Type A	04-18-19	W. CAMERON & NORTH
CSO-030	25786	Semi-Annual PM; CSO Type A	10-10-19	W. CAMERON & NORTH
CSO-031	21346	Semi-Annual PM; CSO Type A	04-23-19	CAMERON & STATE
CSO-031	25824	Semi-Annual PM; CSO Type A	10-28-19	CAMERON & STATE
CSO-032	20946	Semi-Annual PM; CSO Type B	04-02-19	W. CAMERON & WALNUT
CSO-032	25410	Semi-Annual PM; CSO Type B	10-15-19	W. CAMERON & WALNUT
CSO-033	20941	Semi-Annual PM; CSO Type B	04-06-19	E. CAMERON & WALNUT
CSO-033	25517	Semi-Annual PM; CSO Type B	10-13-19	E. CAMERON & WALNUT
CSO-034	21777	Semi-Annual PM; CSO Type A	04-07-19	S. MARKET & CAMERON
CSO-034	29520	Clean CSO Site	08-18-19	South market and cameron
CSO-034	25518	Semi-Annual PM; CSO Type A	10-23-19	S. MARKET & CAMERON
CSO-037	21082	Semi-Annual PM; CSO Type A	04-06-19	10TH & MARKET
CSO-037	25533	Semi-Annual PM; CSO Type A	09-07-19	10TH & MARKET
CSO-038	20940	Semi-Annual PM; CSO Type A	04-02-19	10th & Chestnut
CSO-038	29517	Clean CSO Site	08-18-19	Tenth and Chestnut
CSO-038	29517	Clean CSO Site	08-18-19	Tenth and Chestnut
CSO-038	25409	Semi-Annual PM; CSO Type A	09-10-19	10th & Chestnut
CSO-039	20982	Semi-Annual PM; CSO Type A	04-07-19	S. Mulberry & Cameron
CSO-039	29490	Clean CSO Site	08-16-19	South Mulberry and Cameron
CSO-039	29501	Clean CSO Site	08-19-19	South mulberry and cameron
CSO-039	25534	Semi-Annual PM; CSO Type A	11-15-19	S. Mulberry & Cameron
CSO-040	20938	Semi-Annual PM; CSO Type B	04-07-19	N.MULBERRY & CAMERON
CSO-040	25535	Semi-Annual PM; CSO Type B	10-15-19	N.MULBERRY & CAMERON
CSO-041	20937	Semi-Annual PM; CSO Type D	04-07-19	W. MULBERRY & CAMERON
CSO-041	25537	Semi-Annual PM; CSO Type D	10-15-19	W. MULBERRY & CAMERON
CSO-042	21040	Semi-Annual PM; CSO Type A	04-07-19	N. KITTATINNY & CAMERON
CSO-042	25538	Semi-Annual PM; CSO Type A	10-13-19	N. KITTATINNY & CAMERON
CSO-043	20932	Semi-Annual PM; CSO Type A	04-07-19	S. KITTATINNY & CAMERON

CAPITAL REGION WATER
CSO Preventative Maintenance Report
01-01-2019 to 12-31-2019

Asset Id	Work Order Id	Description	Actual Finish	Address
CSO-043	25541	Semi-Annual PM; CSO Type A	10-13-19	S. KITTATINNY & CAMERON
CSO-044	21060	Semi-Annual PM; CSO Type D	04-05-19	CAMERON & BERRYHILL
CSO-044	25543	Semi-Annual PM; CSO Type D	10-10-19	CAMERON & BERRYHILL
CSO-045	21344	Semi-Annual PM; CSO Type D	04-29-19	S. PAXTON STREET
CSO-045	25936	Semi-Annual PM; CSO Type D	11-09-19	S. PAXTON STREET
CSO-046	21345	Semi-Annual PM; CSO Type D	04-29-19	N. PAXTON STREET
CSO-046	25937	Semi-Annual PM; CSO Type D	11-09-19	N. PAXTON STREET
CSO-048	21457	Semi-Annual PM; CSO Type A	04-28-19	10TH & SHANNON
CSO-048	29513	Clean CSO Site	08-18-19	10th and Shannon street
CSO-048	25935	Semi-Annual PM; CSO Type A	10-26-19	10TH & SHANNON
CSO-049	21144	Semi-Annual PM; CSO Type A	04-22-19	FRONT & SCHUYLKILL
CSO-049	25808	Semi-Annual PM; CSO Type A	09-04-19	FRONT & SCHUYLKILL
CSO-050	21562	Semi-Annual PM; CSO Type A	05-01-19	SENECA & SUSQUEHANNA
CSO-050	26019	Semi-Annual PM; CSO Type A	10-30-19	SENECA & SUSQUEHANNA
CSO-051	21564	Semi-Annual PM; CSO Type A	05-02-19	WOODBINE & GREEN
CSO-051	26086	Semi-Annual PM; CSO Type A	10-30-19	WOODBINE & GREEN
CSO-052	21064	Semi-Annual PM; CSO Type A	04-08-19	FRONT & STATE
CSO-052	28115	Clean CSO Site	07-15-19	Front and State
CSO-052	28115	Clean CSO Site	07-15-19	Front and State
CSO-052	28115	Clean CSO Site	07-15-19	Front and State
CSO-052	27912	Semi-Annual PM; CSO Type A	10-18-19	FRONT & STATE
CSO-053	21065	Semi-Annual PM; CSO Type A	04-03-19	FRONT & SOUTH
CSO-053	25444	Semi-Annual PM; CSO Type A	10-18-19	FRONT & SOUTH
CSO-053	32354	Clean CSO Site	12-27-19	Front and South
CSO-054	21066	Semi-Annual PM; CSO Type A	04-22-19	FRONT & PINE
CSO-054	25806	Semi-Annual PM; CSO Type A	10-18-19	FRONT & PINE
CSO-055	21129	Semi-Annual PM; CSO Type A	04-08-19	FRONT & LOCUST
CSO-055	25549	Semi-Annual PM; CSO Type A	10-18-19	FRONT & LOCUST
CSO-056	21091	Semi-Annual PM; CSO Type A	04-14-19	FRONT & WALNUT
CSO-056	25667	Semi-Annual PM; CSO Type A	10-21-19	FRONT & WALNUT
CSO-057	21343	Semi-Annual PM; CSO Type A	05-04-19	CHERRY & MULBERRY
CSO-057	26122	Semi-Annual PM; CSO Type A	10-29-19	CHERRY & MULBERRY
CSO-058	21128	Semi-Annual PM; CSO Type B	04-09-19	FRONT & TUSCARORA
CSO-058	30322	Clean CSO Site	09-30-19	Front & Tuscarora
CSO-058	25571	Semi-Annual PM; CSO Type B	10-09-19	FRONT & TUSCARORA
CSO-059	21061	Semi-Annual PM; CSO Type D	04-07-19	E. KITTATINNY & CAMERON
CSO-059	25539	Semi-Annual PM; CSO Type D	10-10-19	E. KITTATINNY & CAMERON
CSO-060	20944	Semi-Annual PM; CSO Type C	04-02-19	SALMON STREET
CSO-060	29510	Clean CSO Site	08-19-19	Salmon Street
CSO-060	25408	Semi-Annual PM; CSO Type C	10-10-19	SALMON STREET
CSO-061	20931	Semi-Annual PM; CSO Type C	04-06-19	10TH & SYCAMORE
CSO-061	29506	Clean CSO Site	08-19-19	Tenth and Sycamore
CSO-061	25544	Semi-Annual PM; CSO Type C	09-07-19	10TH & SYCAMORE
CSO-062	20943	Semi-Annual PM; CSO Type C	04-02-19	SHANOIS STREET
CSO-062	29495	Clean CSO Site	08-19-19	Shanois street

CAPITAL REGION WATER

CSO Preventative Maintenance Report

01-01-2019 to 12-31-2019

Asset Id	Work Order Id	Description	Actual Finish	Address
CSO-062	25407	Semi-Annual PM; CSO Type C	09-05-19	SHANOIS STREET
CSO-063	20949	Semi-Annual PM; CSO Type C	04-02-19	CAMERON & HANOVER
CSO-063	25573	Semi-Annual PM; CSO Type C	09-05-19	CAMERON & HANOVER
CSO-064	20948	Semi-Annual PM; CSO Type C	04-02-19	CAMERON & MAGNOLIA
CSO-064	25403	Semi-Annual PM; CSO Type C	09-05-19	CAMERON & MAGNOLIA

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APPENDIX K-3

COMBINED SEWER OVERFLOW REPORT

APPENDIX K-3A

COMBINED SEWER OVERFLOW REPORT BY OUTFALLS
FIELD OBSERVATIONS

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - Field Observations
01/01/2019 - 12/31/2019

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
CSO 004 (FRONT & VAUGHN)					
88595	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89072	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
89817	Daily CSO Default 3-4	01/20/2019 12:00	23501	Wooden Block	Rain
90197	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90251	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91201	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
91711	Daily CSO Default 3-4	02/15/2019 12:00	24132	Wooden Block	Rain
91795	Daily CSO Default 3-4	02/16/2019 12:00	24170	Wooden Block	Rain
91855	Daily CSO Default 3-4	02/17/2019 12:00	24179	Wooden Block	Rain
94099	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94145	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97042	Daily CSO Default 3-4	04/08/2019 12:00	25510	Wooden Block	Rain
97414	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97534	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98104	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98424	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98503	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98571	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99153	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99090	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99521	Daily CSO Default 3-4	05/12/2019 12:00	26398	Wooden Block	Rain
99565	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99628	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
100021	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100272	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100564	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100652	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100712	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100868	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
100968	Daily CSO Default 3-4	06/02/2019 12:00	26860	Wooden Block	Rain
101363	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101876	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101967	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102029	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102216	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102392	Daily CSO Default 3-4	06/19/2019 12:00	27335	Wooden Block	Rain
102473	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102556	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102847	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103179	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103723	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103762	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104034	Daily CSO Default 3-4	07/12/2019 12:00	27823	Wooden Block	Rain
104352	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104810	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105176	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105307	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105834	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105905	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106474	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106924	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107610	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107707	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
108379	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108529	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
109558	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
110199	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110314	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111028	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111437	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111691	Daily CSO Site Inspection	10/27/2019 12:00	31068	Wooden Block	Rain
111757	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111986	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112057	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
113666	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114226	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
115072	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115140	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115222	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116229	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 005 (FRONT & LEWIS)					
88594	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88903	Daily CSO Default 3-4	01/06/2019 09:00	23236	Wooden Block	Rain
89071	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
90195	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90252	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91198	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
91272	Daily CSO Default 7 Inflow	02/10/2019 07:44	24030	Wooden Block	Inflow from Creek/River
92296	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93337	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94100	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94144	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97413	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97533	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98103	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98422	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98502	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98570	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99152	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99089	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99520	Daily CSO Default 3-4	05/12/2019 12:00	26398	Wooden Block	Rain
99564	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99627	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99985	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100020	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100563	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100651	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100711	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100869	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
100967	Daily CSO Default 3-4	06/02/2019 12:00	26860	Wooden Block	Rain
101362	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101877	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
102026	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102215	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102472	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102555	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102846	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103178	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103722	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103761	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104035	Daily CSO Default 3-4	07/12/2019 12:00	27823	Wooden Block	Rain
104351	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104390	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104809	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105175	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105833	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105904	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106473	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106923	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107402	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107613	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107708	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107912	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108378	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108528	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
109559	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
110198	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110313	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111023	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
111436	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111692	Daily CSO Site Inspection	10/27/2019 12:00	31068	Wooden Block	Rain
111756	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111983	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112052	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
112488	Daily CSO Default 3-4	11/08/2019 12:00	31295	Wooden Block	Rain
113668	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
115073	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115138	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115221	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116230	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO-006 (FRONT & GEIGER)					
88591	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89836	Daily CSO Site Inspection	01/20/2019 12:00	23501	Active CSO	Rain
90193	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90248	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91396	Daily CSO Default 7 Inflow	02/11/2019 12:00	24038	Wooden Block	Inflow from Creek/River
92293	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93011	Daily CSO Default 3-4	03/05/2019 12:00	24525	Wooden Block	Rain
97772	Daily CSO Site Inspection	03/10/2019 12:00	24615	Active CSO	Rain
93411	Daily CSO Default 3-4	03/11/2019 12:19	24628	Wooden Block	Rain
94102	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94141	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97410	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97530	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98100	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98567	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99086	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99149	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99517	Daily CSO Default 3-4	05/12/2019 12:00	26398	Wooden Block	Rain
99561	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99604	Daily CSO Default 7 Inflow	05/14/2019 13:30	26422	Wooden Block	Inflow from Creek/River
99692	Daily CSO Default 7 Inflow	05/15/2019 12:00	26472	Wooden Block	Inflow from Creek/River
99732	Daily CSO Default 7 Inflow	05/16/2019 12:00	26506	Wooden Block	Inflow from Creek/River
99983	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100017	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100560	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100648	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100708	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100865	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
100965	Daily CSO Default 3-4	06/02/2019 12:00	26860	Wooden Block	Rain
101359	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101873	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
102213	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102334	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102552	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102671	Daily CSO Default 7 Inflow	06/23/2019 12:00	27442	Wooden Block	Inflow from Creek/River
102843	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103277	Daily CSO Default 3-4	06/30/2019 12:00	27575	Wooden Block	Rain
103719	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103758	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
103823	Daily CSO Default 3-4	07/09/2019 12:00	27732	Wooden Block	Rain
104348	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104387	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
105173	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105474	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105830	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105901	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106470	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106589	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106985	Daily CSO Default 3-4	08/24/2019 08:30	29535	Wooden Block	Rain
107400	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107640	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107704	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
108375	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
108525	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110200	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110315	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111026	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111433	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111695	Daily CSO Site Inspection	10/27/2019 12:00	31068	Wooden Block	Rain
111753	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111981	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112061	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113663	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114767	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115135	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115220	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116220	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 007 (FRONT & PETTER)					
88590	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89068	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
90192	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90247	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91200	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
93333	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94097	Daily CSO Default 3-4	03/21/2019 12:00	25071	Wooden Block	Rain
94140	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97409	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97528	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98099	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98566	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99085	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99148	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99516	Daily CSO Default 3-4	05/12/2019 12:00	26398	Wooden Block	Rain
99560	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99624	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99691	Daily CSO Default 7 Inflow	05/15/2019 12:00	26472	Wooden Block	Inflow from Creek/River
99982	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100016	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100541	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100647	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100707	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100864	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
100964	Daily CSO Default 3-4	06/02/2019 12:00	26860	Wooden Block	Rain
101357	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101871	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
102212	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102551	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102842	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103551	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103718	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103757	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104347	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104386	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
105305	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105472	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105829	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105900	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106469	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106586	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106986	Daily CSO Default 3-4	08/24/2019 08:30	29535	Wooden Block	Rain
107399	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107641	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107703	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
108374	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108524	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
109556	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
110203	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110310	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
111024	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111432	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111696	Daily CSO Site Inspection	10/27/2019 12:00	31068	Wooden Block	Rain
111755	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111984	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112056	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113662	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
115134	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115217	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116224	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 008 (FRONT & MUENCH)					
88589	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89067	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
89835	Daily CSO Site Inspection	01/20/2019 12:00	23501	Active CSO	Rain
90191	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90246	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91195	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
91209	Daily CSO Default 7 Inflow	02/09/2019 07:39	24027	Wooden Block	Inflow from Creek/River
91271	Daily CSO Default 7 Inflow	02/10/2019 07:44	24030	Wooden Block	Inflow from Creek/River
91395	Daily CSO Default 7 Inflow	02/11/2019 12:00	24038	Wooden Block	Inflow from Creek/River
92292	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
92827	Daily CSO Default 3-4	03/02/2019 11:00	24474	Wooden Block	Rain
93010	Daily CSO Default 3-4	03/05/2019 12:00	24525	Wooden Block	Rain
97770	Daily CSO Site Inspection	03/10/2019 12:00	24615	Active CSO	Rain
93408	Daily CSO Default 3-4	03/11/2019 12:19	24628	Wooden Block	Rain
94103	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94139	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
94404	Daily CSO Default 3-4	03/26/2019 12:00	25177	Wooden Block	Rain
97415	Daily CSO Site Inspection	04/13/2019 12:00	25625	Active CSO	Rain
97529	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98098	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98499	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98565	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
98669	Daily CSO Default 3-4	04/29/2019 12:00	25921	Wooden Block	Rain
99037	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99084	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99146	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99468	Daily CSO Default 3-4	05/11/2019 12:00	26386	Wooden Block	Rain
99514	Daily CSO Default 3-4	05/12/2019 12:00	26398	Wooden Block	Rain
99559	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99605	Daily CSO Default 7 Inflow	05/14/2019 13:30	26422	Wooden Block	Inflow from Creek/River
99690	Daily CSO Default 7 Inflow	05/15/2019 12:00	26472	Wooden Block	Inflow from Creek/River
99872	Daily CSO Default 7 Inflow	05/16/2019 12:00	26506	Wooden Block	Inflow from Creek/River
99981	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100023	Daily CSO Site Inspection	05/20/2019 12:00	26600	Active CSO	Rain
100271	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100559	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100626	Daily CSO Site Inspection	05/29/2019 12:00	26750	Active CSO	Rain
100706	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100963	Daily CSO Default 3-4	06/02/2019 12:00	26860	Wooden Block	Rain
101358	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101872	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101964	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102211	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102333	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102550	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102841	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103550	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103717	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103739	Daily CSO Site Inspection	07/08/2019 12:00	27729	Wooden Block	Rain
104033	Daily CSO Default 3-4	07/12/2019 12:00	27823	Wooden Block	Rain
104346	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104385	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104806	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105304	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
105473	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105828	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105881	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106448	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106922	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
106987	Daily CSO Default 3-4	08/24/2019 08:30	29535	Wooden Block	Rain
107396	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107642	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107682	Daily CSO Site Inspection	09/03/2019 12:00	29720	Wooden Block	Rain
107910	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108373	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108523	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110205	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110309	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111022	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111431	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111697	Daily CSO Site Inspection	10/27/2019 12:00	31068	Wooden Block	Rain
111751	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111979	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112054	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113664	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114229	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114766	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115069	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115133	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
116222	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 009 (FRONT & HAMILTON)					
88588	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88848	Daily CSO Default 3-4	01/05/2019 09:00	23210	Wooden Block	Rain
89066	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
89815	Daily CSO Default 3-4	01/20/2019 12:00	23501	Wooden Block	Rain
90190	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90245	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91117	Daily CSO Default 3-4	02/07/2019 12:00	23959	Wooden Block	Rain
91196	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92291	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93331	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94104	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94138	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97408	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97527	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98097	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98421	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98498	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98564	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
98783	Daily CSO Default 3-4	04/29/2019 12:00	25921	Wooden Block	Rain
99035	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99098	Daily CSO Site Inspection	05/05/2019 12:00	26118	Active CSO	Rain
99147	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99539	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99558	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99622	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99980	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100015	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100270	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100558	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100646	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100705	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100863	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101356	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101870	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101965	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102028	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102210	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102332	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
102549	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102840	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103174	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103603	Daily CSO Default 3-4	07/06/2019 12:00	27685	Wooden Block	Rain
103716	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103756	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
103901	Daily CSO Default 3-4	07/11/2019 12:00	27788	Wooden Block	Rain
104345	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104384	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104805	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105303	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105471	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105827	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105899	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106468	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106587	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106919	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107397	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107643	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107701	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107909	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108372	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108522	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110206	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
111021	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111430	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111717	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111750	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111977	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112053	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113661	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
113745	Daily CSO Default 3-4	11/25/2019 12:00	31702	Wooden Block	Rain
114228	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114769	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115068	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115216	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116219	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CS9-010 (FRONT & RSLV)					
88587	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88847	Daily CSO Default 3-4	01/05/2019 09:00	23210	Wooden Block	Rain
89065	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
89814	Daily CSO Default 3-4	01/20/2019 12:00	23501	Wooden Block	Rain
90189	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90244	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91192	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92290	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93012	Daily CSO Default 3-4	03/05/2019 12:00	24525	Wooden Block	Rain
93330	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94105	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94403	Daily CSO Default 3-4	03/26/2019 12:00	25177	Wooden Block	Rain
97407	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97526	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98096	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98419	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98497	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98563	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
98980	Daily CSO Default 3-4	05/02/2019 12:00	25998	Wooden Block	Rain
99036	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99083	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99145	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99538	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99557	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99623	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99979	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100014	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
100268	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100557	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100645	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100704	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100862	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101355	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101869	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101962	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102024	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102331	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102548	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102839	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103173	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103549	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103715	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103755	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104344	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104383	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104804	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105302	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105470	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105826	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105898	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106467	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106585	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106920	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107398	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107644	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107700	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107908	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108371	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108521	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
109555	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
110202	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110302	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111018	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111325	Daily CSO Default 3-4	10/22/2019 12:00	31055	Wooden Block	Rain
111429	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111713	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111978	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112060	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
112768	Daily CSO Default 3-4	11/12/2019 12:00	31367	Wooden Block	Rain
114232	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114225	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114765	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115067	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115139	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115224	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116227	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 011 (FRONT & CALDER)					
88586	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88845	Daily CSO Default 3-4	01/05/2019 09:00	23210	Wooden Block	Rain
89064	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
89812	Daily CSO Default 3-4	01/20/2019 12:00	23501	Wooden Block	Rain
90188	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90243	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91193	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92289	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93329	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94106	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94137	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97406	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97525	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98095	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98420	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
98496	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98562	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99034	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99097	Daily CSO Site Inspection	05/05/2019 12:00	26118	Active CSO	Rain
99144	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99537	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99556	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99621	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99978	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100013	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100556	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100644	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100703	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100861	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101354	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101791	Daily CSO Default 3-4	06/10/2019 12:00	27033	Wooden Block	Rain
101868	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101961	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102023	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102209	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102330	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102547	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102838	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103547	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103601	Daily CSO Default 3-4	07/06/2019 12:00	27685	Wooden Block	Rain
103714	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103754	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
103899	Daily CSO Default 3-4	07/11/2019 12:00	27788	Wooden Block	Rain
104343	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104382	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104803	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105172	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105301	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105469	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105825	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105897	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106466	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106588	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106918	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107395	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107645	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107702	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
108370	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108520	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110204	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110301	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111019	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111428	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111716	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111976	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112051	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
115066	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115132	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115215	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116221	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 012 (FRONT & VERBECK)					
88585	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
90187	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90242	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91194	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92287	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93328	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94107	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94136	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97405	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
97524	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98094	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98418	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98495	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98561	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99082	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99143	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99515	Daily CSO Default 3-4	05/12/2019 12:00	26398	Wooden Block	Rain
99555	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99619	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99977	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100012	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100269	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100554	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100643	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100702	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100860	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101353	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101788	Daily CSO Default 3-4	06/10/2019 12:00	27033	Wooden Block	Rain
101867	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
102022	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102208	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102329	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102546	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102837	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103172	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103599	Daily CSO Default 3-4	07/06/2019 12:00	27685	Wooden Block	Rain
103713	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103753	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
103900	Daily CSO Default 3-4	07/11/2019 12:00	27788	Wooden Block	Rain
104342	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104381	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104802	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105171	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105300	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105468	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105824	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105896	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106465	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106584	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106917	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107393	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107596	Daily CSO Default 3-4	09/02/2019 12:00	29715	Wooden Block	Rain
107699	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
108383	Daily CSO Default 3-4	09/05/2019 12:00	29745	Wooden Block	Rain
108369	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108519	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
109554	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
110197	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110305	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111017	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111427	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111715	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111974	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112049	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113659	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114222	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114764	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115063	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115131	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115214	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116226	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 018 (FRONT & CUMBERLAND)					
88584	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
90186	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
90241	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
90719	Daily CSO Site Inspection	02/01/2019 12:30	23810	Active CSO	Rain
91191	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92288	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93327	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
93409	Daily CSO Default 3-4	03/11/2019 12:19	24628	Wooden Block	Rain
94108	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94135	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97404	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97523	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98093	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98416	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98494	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98560	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99081	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99142	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99536	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99554	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99620	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99976	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100011	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100553	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100642	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100701	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100859	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101352	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101866	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
102390	Daily CSO Default 3-4	06/19/2019 12:00	27335	Wooden Block	Rain
102545	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102836	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103171	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103546	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103602	Daily CSO Default 3-4	07/06/2019 12:00	27685	Wooden Block	Rain
103712	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103752	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104341	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104380	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104801	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105158	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105299	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105467	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105823	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105895	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106208	Daily CSO Site Inspection	08/13/2019 12:00	28997	Wooden Block	Rain
106464	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106583	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106916	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107392	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107646	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107684	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107906	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108368	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108518	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110195	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110304	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111016	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111426	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111714	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111749	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111975	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112058	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113658	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
115130	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
116217	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO-014 (FRONT & BOAS)					

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
88583	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88901	Daily CSO Default 3-4	01/06/2019 09:00	23236	Wooden Block	Rain
89063	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
89810	Daily CSO Default 3-4	01/20/2019 12:00	23501	Wooden Block	Rain
90185	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90239	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91190	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92286	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93326	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94109	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94134	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
94401	Daily CSO Default 3-4	03/26/2019 12:00	25177	Wooden Block	Rain
97403	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97522	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98092	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98415	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98493	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98559	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99033	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99080	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99141	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99535	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99553	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99618	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99974	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100010	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100267	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100555	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100641	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100700	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100858	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101350	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101792	Daily CSO Default 3-4	06/10/2019 12:00	27033	Wooden Block	Rain
101865	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101963	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102021	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102207	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102328	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102471	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102544	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102835	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103170	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103548	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103711	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103751	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
103898	Daily CSO Default 3-4	07/11/2019 12:00	27788	Wooden Block	Rain
104031	Daily CSO Default 3-4	07/12/2019 12:00	27823	Wooden Block	Rain
104340	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104377	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104800	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105169	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105298	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105466	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105822	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105894	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106463	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106582	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106915	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
106984	Daily CSO Default 3-4	08/24/2019 08:30	29535	Wooden Block	Rain
107412	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107649	Daily CSO Default 3-4	09/02/2019 12:00	29715	Wooden Block	Rain
107697	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107905	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108367	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108515	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
109553	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
110194	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110307	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111020	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111324	Daily CSO Default 3-4	10/22/2019 12:00	31055	Wooden Block	Rain
111425	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111712	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111743	Daily CSO Default 3-4	10/28/2019 10:00	31090	Wooden Block	Rain
111980	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112045	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113656	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114223	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114763	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115070	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115129	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115212	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116223	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CS9-015 (FRONT & FORSTER)					
88582	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89062	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
89811	Daily CSO Default 3-4	01/20/2019 12:00	23501	Wooden Block	Rain
90184	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90240	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91189	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92285	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
92826	Daily CSO Default 3-4	03/02/2019 11:00	24474	Wooden Block	Rain
93325	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
93407	Daily CSO Default 3-4	03/11/2019 12:19	24628	Wooden Block	Rain
94110	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94133	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97040	Daily CSO Default 3-4	04/08/2019 12:00	25510	Wooden Block	Rain
97402	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97521	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98091	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98413	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98492	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98558	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99031	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99078	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99140	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99534	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99552	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99617	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99975	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100009	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100266	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100552	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100640	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100699	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100857	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
100962	Daily CSO Default 3-4	06/02/2019 12:00	26860	Wooden Block	Rain
101351	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101864	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101956	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102019	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102206	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102470	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102543	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102834	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103169	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103545	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103597	Daily CSO Default 3-4	07/06/2019 12:00	27685	Wooden Block	Rain
103710	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103750	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
103897	Daily CSO Default 3-4	07/11/2019 12:00	27788	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
104339	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104378	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104799	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105168	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105297	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105465	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105821	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105893	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106462	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106581	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106914	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107391	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107647	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107698	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107904	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108366	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108517	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110193	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110308	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111014	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111424	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111710	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111758	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111973	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112046	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113657	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114221	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114762	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115128	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115218	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116218	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO-010 (FRONT & LIBERTY)					
91187	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
97401	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97520	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98414	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98557	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99138	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99513	Daily CSO Default 3-4	05/12/2019 12:00	26398	Wooden Block	Rain
99551	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99616	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
100008	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100265	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100639	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100698	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100856	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101349	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
102469	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102542	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102833	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103168	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103598	Daily CSO Default 3-4	07/06/2019 12:00	27685	Wooden Block	Rain
103709	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103749	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104338	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104798	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105462	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105820	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
106461	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106579	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
107696	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
108365	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108516	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
111015	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111423	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
111711	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
112048	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
115210	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
CSO-017 (FRONT & MARKET)					
88581	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88928	Daily CSO Default 3-4	01/05/2019 12:00	23210	Wooden Block	Rain
90183	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90238	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91186	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92284	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93324	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94111	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94131	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97038	Daily CSO Default 3-4	04/08/2019 12:00	25510	Wooden Block	Rain
97400	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97519	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98090	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98412	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98491	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98556	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
98949	Daily CSO Default 3-4	05/03/2019 12:00	26033	Wooden Block	Rain
99032	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99139	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99079	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99467	Daily CSO Default 3-4	05/11/2019 12:00	26386	Wooden Block	Rain
99533	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99550	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99615	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
100007	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100551	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100638	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100696	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100855	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101348	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101863	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101957	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102020	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102202	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102327	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102468	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102541	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102832	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103167	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103708	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103748	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104337	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104376	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104797	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105167	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105296	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105464	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105819	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105892	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106460	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106580	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106913	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107390	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107695	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107902	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108364	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108513	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110196	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110299	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111011	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111422	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
111709	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111748	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111971	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112047	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113655	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114220	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114761	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115064	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115127	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
116216	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 018 (FRONT & MULBERRY)					
88580	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
90182	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90237	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91188	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
91269	Daily CSO Default 7 Inflow	02/10/2019 07:44	24030	Wooden Block	Inflow from Creek/River
91709	Daily CSO Default 3-4	02/15/2019 12:00	24132	Wooden Block	Rain
92283	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93323	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94112	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94132	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97399	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97518	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98088	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98417	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98490	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98555	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
98667	Daily CSO Default 3-4	04/29/2019 12:00	25921	Wooden Block	Rain
99029	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99137	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99096	Daily CSO Site Inspection	05/05/2019 12:00	26118	Active CSO	Rain
99466	Daily CSO Default 3-4	05/11/2019 12:00	26386	Wooden Block	Rain
99532	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99549	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99614	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
100006	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100264	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100550	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100637	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100697	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100854	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101347	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101862	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101960	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102017	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102203	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102326	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102467	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102540	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102831	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103166	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103544	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103707	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103747	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104336	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104375	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104796	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105166	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105294	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105463	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105818	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105891	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106459	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106578	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106912	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
107394	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107694	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107903	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108363	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
109551	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
110191	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110300	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111010	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111421	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111708	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111969	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112044	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113653	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114218	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
115065	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115126	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115209	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116214	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 019 (FRONT & PATTON)					
89834	Daily CSO Default 7 Inflow	01/20/2019 12:00	23501	Wooden Block	Inflow from Creek/River
90181	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90236	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91185	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
91210	Daily CSO Default 7 Inflow	02/09/2019 07:39	24027	Wooden Block	Inflow from Creek/River
91270	Daily CSO Default 7 Inflow	02/10/2019 07:44	24030	Wooden Block	Inflow from Creek/River
94113	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94130	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97517	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
97660	Daily CSO Site Inspection	04/16/2019 12:00	25643	Active CSO	Rain
98078	Daily CSO Site Inspection	04/20/2019 11:30	25772	Active CSO	Rain
98554	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99095	Daily CSO Site Inspection	05/05/2019 12:00	26118	Active CSO	Rain
99524	Daily CSO Default 7 Inflow	05/12/2019 12:00	26398	Wooden Block	Inflow from Creek/River
99548	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99613	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
100005	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100549	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100636	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100695	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100853	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101345	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
102466	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102538	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
103543	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103706	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
104335	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104374	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
105165	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105461	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105817	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105890	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106458	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106577	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
107389	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107692	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107901	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108362	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
110192	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110306	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111013	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111438	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111707	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111972	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112042	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
116215	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
CSO 020 (FRONT & HANNA)					
88578	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89833	Daily CSO Default 7 Inflow	01/20/2019 12:00	23501	Wooden Block	Inflow from Creek/River
90180	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90235	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91184	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92378	Daily CSO Default 3-4	02/25/2019 12:00	24339	Wooden Block	Rain
97771	Daily CSO Site Inspection	03/10/2019 12:00	24615	Active CSO	Rain
93406	Daily CSO Default 3-4	03/11/2019 12:19	24628	Wooden Block	Rain
94114	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94147	Daily CSO Site Inspection	03/22/2019 09:30	25108	Active CSO	Rain
94209	Daily CSO Default 3-4	03/23/2019 12:00	25122	Wooden Block	Rain
99522	Daily CSO Default 7 Inflow	05/12/2019 12:00	26398	Wooden Block	Inflow from Creek/River
99603	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
100635	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100852	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101861	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101934	Daily CSO Site Inspection	06/12/2019 10:00	27094	Active CSO	Rain
102830	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
104391	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
105460	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105778	Daily CSO Site Inspection	08/06/2019 12:00	28410	Dry Weather Overflow	
105816	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105882	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106457	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106576	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
107691	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
108361	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
110298	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111012	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111706	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
112055	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
112489	Daily CSO Default 3-4	11/08/2019 12:00	31295	Wooden Block	Rain
116213	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 021 (CAMERON & SCHUYLKILL)					
88571	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
88627	Daily CSO Default 7 Inflow	01/02/2019 14:05	23154	Wooden Block	Inflow from Creek/River
88756	Daily CSO Default 7 Inflow	01/04/2019 12:00	23187	Wooden Block	Inflow from Creek/River
88875	Daily CSO Default 3-4	01/06/2019 08:30	23235	Wooden Block	Rain
89131	Daily CSO Default 3-4	01/09/2019 12:00	23281	Wooden Block	Rain
89846	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90101	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
90223	Daily CSO Default 7 Inflow	01/25/2019 12:00	23569	Wooden Block	Inflow from Creek/River
90285	Daily CSO Default 7 Inflow	01/26/2019 12:00	23612	Wooden Block	Inflow from Creek/River
90315	Daily CSO Default 7 Inflow	01/28/2019 12:00	23635	Wooden Block	Inflow from Creek/River
90603	Daily CSO Default 7 Inflow	01/31/2019 12:00	23773	Wooden Block	Inflow from Creek/River
91097	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91148	Daily CSO Default 7 Inflow	02/08/2019 10:00	24003	Wooden Block	Inflow from Creek/River
91424	Daily CSO Default 7 Inflow	02/11/2019 12:00	24039	Wooden Block	Inflow from Creek/River
91461	Daily CSO Default 3-4	02/12/2019 10:00	24066	Wooden Block	Rain
91493	Daily CSO Default 3-4	02/13/2019 10:00	24091	Wooden Block	Rain
91680	Daily CSO Default 3-4	02/15/2019 12:00	24130	Wooden Block	Rain
91767	Daily CSO Default 3-4	02/16/2019 12:00	24169	Wooden Block	Rain
92197	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
92318	Daily CSO Default 7 Inflow	02/24/2019 10:00	24338	Wooden Block	Inflow from Creek/River
92795	Daily CSO Default 3-4	03/02/2019 09:00	24473	Wooden Block	Rain
93365	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
93381	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94086	Daily CSO Site Inspection	03/21/2019 12:00	25070	Active CSO	Rain
94175	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94212	Daily CSO Default 7 Inflow	03/23/2019 12:00	25131	Wooden Block	Inflow from Creek/River
94269	Daily CSO Default 7 Inflow	03/24/2019 12:00	25157	Wooden Block	Inflow from Creek/River
94333	Daily CSO Default 7 Inflow	03/25/2019 12:00	25159	Wooden Block	Inflow from Creek/River
97436	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97567	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
98398	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98536	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98602	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98698	Daily CSO Default 3-4	04/29/2019 12:00	25922	Wooden Block	Rain
99128	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99475	Daily CSO Default 7 Inflow	05/12/2019 12:00	26397	Wooden Block	Inflow from Creek/River
99573	Daily CSO Default 7 Inflow	05/13/2019 12:00	26401	Wooden Block	Inflow from Creek/River
99658	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
99965	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100084	Daily CSO Default 7 Inflow	05/21/2019 12:00	26620	Wooden Block	Inflow from Creek/River
100527	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100625	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100685	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100836	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
100938	Daily CSO Default 3-4	06/02/2019 12:00	26861	Wooden Block	Rain
101995	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain
102058	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102242	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102279	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102459	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102525	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102815	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103653	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103688	Daily CSO Default 7 Inflow	07/08/2019 12:00	27728	Wooden Block	Inflow from Creek/River
103796	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104421	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
105508	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105806	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105875	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106505	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106623	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106983	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107437	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107593	Daily CSO Default 7 Inflow	09/02/2019 07:00	29716	Wooden Block	Inflow from Creek/River
107679	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107893	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108506	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
110226	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
111062	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111742	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111792	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111961	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112025	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
112887	Daily CSO Default 7 Inflow	11/13/2019 12:00	31396	Wooden Block	Inflow from Creek/River
112962	Daily CSO Default 7 Inflow	11/14/2019 12:00	31429	Wooden Block	Inflow from Creek/River
113641	Daily CSO Default 7 Inflow	11/24/2019 06:33	31699	Wooden Block	Inflow from Creek/River
113694	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114299	Daily CSO Default 7 Inflow	12/01/2019 08:00	31811	Wooden Block	Inflow from Creek/River
114298	Daily CSO Default 7 Inflow	12/02/2019 12:00	31815	Wooden Block	Inflow from Creek/River
114297	Daily CSO Default 7 Inflow	12/03/2019 12:00	31832	Wooden Block	Inflow from Creek/River
114316	Daily CSO Default 7 Inflow	12/04/2019 12:00	31879	Wooden Block	Inflow from Creek/River
114374	Daily CSO Default 7 Inflow	12/05/2019 10:00	31911	Wooden Block	Inflow from Creek/River
114519	Daily CSO Default 7 Inflow	12/06/2019 12:00	31924	Wooden Block	Inflow from Creek/River
114580	Daily CSO Default 7 Inflow	12/07/2019 06:30	31944	Wooden Block	Inflow from Creek/River
114641	Daily CSO Default 7 Inflow	12/08/2019 08:30	31950	Wooden Block	Inflow from Creek/River
114787	Daily CSO Default 7 Inflow	12/10/2019 12:00	31969	Wooden Block	Inflow from Creek/River
114979	Daily CSO Default 7 Inflow	12/13/2019 13:02	32040	Wooden Block	Inflow from Creek/River
115048	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
116198	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116267	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CO 022 (FORREST A CAMERON)					
88570	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
88727	Daily CSO Default 7 Inflow	01/03/2019 12:00	23173	Wooden Block	Inflow from Creek/River
88758	Daily CSO Default 7 Inflow	01/04/2019 12:00	23187	Wooden Block	Inflow from Creek/River
88818	Daily CSO Default 7 Inflow	01/05/2019 07:00	23207	Wooden Block	Inflow from Creek/River

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
89363	Daily CSO Default 7 Inflow	01/13/2019 12:00	23367	Wooden Block	Inflow from Creek/River
90100	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
90220	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
90807	Daily CSO Default 7 Inflow	02/03/2019 12:00	23843	Wooden Block	Inflow from Creek/River
91167	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
93364	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
94174	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94210	Daily CSO Default 7 Inflow	03/23/2019 12:00	25131	Wooden Block	Inflow from Creek/River
94270	Daily CSO Default 7 Inflow	03/24/2019 12:00	25157	Wooden Block	Inflow from Creek/River
94334	Daily CSO Default 7 Inflow	03/25/2019 12:00	25159	Wooden Block	Inflow from Creek/River
97447	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97566	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
97742	Daily CSO Default 3-4	04/17/2019 12:00	25685	Wooden Block	Rain
98135	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98397	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98535	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98601	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99127	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99487	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
99572	Daily CSO Default 7 Inflow	05/13/2019 12:00	26401	Wooden Block	Inflow from Creek/River
99657	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
99966	Daily CSO Default 7 Inflow	05/19/2019 12:00	26587	Wooden Block	Inflow from Creek/River
100055	Daily CSO Site Inspection	05/20/2019 12:00	26599	Active CSO	Rain
100083	Daily CSO Default 7 Inflow	05/21/2019 12:00	26620	Wooden Block	Inflow from Creek/River
100684	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100837	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101025	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101984	Daily CSO Default 7 Inflow	06/13/2019 12:00	27165	Wooden Block	Inflow from Creek/River
102458	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102526	Daily CSO Default 7 Inflow	06/21/2019 12:00	27421	Wooden Block	Inflow from Creek/River
102814	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103652	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103698	Daily CSO Default 3-4	07/08/2019 12:00	27728	Wooden Block	Rain
104327	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104839	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105509	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105807	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105874	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106504	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
107594	Daily CSO Default 7 Inflow	09/02/2019 07:00	29716	Wooden Block	Inflow from Creek/River
107677	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107892	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108505	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
111061	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111150	Daily CSO Default 7 Inflow	10/19/2019 12:00	31047	Wooden Block	Inflow from Creek/River
111403	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111741	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111791	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
112027	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
112780	Daily CSO Default 7 Inflow	11/12/2019 12:00	31368	Wooden Block	Inflow from Creek/River
113640	Daily CSO Default 7 Inflow	11/24/2019 06:33	31699	Wooden Block	Inflow from Creek/River
115029	Daily CSO Default 7 Inflow	12/14/2019 08:00	32082	Wooden Block	Inflow from Creek/River
115818	Daily CSO Default 7 Inflow	12/25/2019 12:00	32328	Wooden Block	Inflow from Creek/River
116197	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 023 (CAMERON & CALDER)					
91681	Daily CSO Default 3-4	02/15/2019 12:00	24130	Wooden Block	Rain
91766	Daily CSO Default 3-4	02/16/2019 12:00	24169	Wooden Block	Rain
91824	Daily CSO Default 3-4	02/17/2019 12:00	24178	Wooden Block	Rain
92196	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
93352	Daily CSO Default 3-4	03/10/2019 12:00	24614	Wooden Block	Rain
94154	Daily CSO Default 3-4	03/22/2019 12:00	25106	Wooden Block	Rain
94219	Daily CSO Default 3-4	03/23/2019 12:00	25131	Wooden Block	Rain
94399	Daily CSO Default 3-4	03/26/2019 12:00	25178	Wooden Block	Rain
97435	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97565	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
98134	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98396	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98534	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98600	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99011	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99126	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99063	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99486	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
99594	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
100053	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100624	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100683	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
102241	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102457	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102524	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102813	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103651	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103697	Daily CSO Default 3-4	07/08/2019 12:00	27728	Wooden Block	Rain
103795	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104326	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104420	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
105507	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105804	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105873	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106503	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106622	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
107678	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107891	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108504	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
109607	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
111740	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111795	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
112013	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
115332	Daily CSO Default 3-4	12/18/2019 12:00	32156	Wooden Block	Rain
CSO 024 (HILL CHAMBER T.R.W.)					
88555	Daily CSO Default 7 Inflow	01/01/2019 12:00	23147	Wooden Block	Inflow from Creek/River
88628	Daily CSO Default 7 Inflow	01/02/2019 12:00	23154	Wooden Block	Inflow from Creek/River
88728	Daily CSO Default 7 Inflow	01/03/2019 12:00	23173	Wooden Block	Inflow from Creek/River
88757	Daily CSO Default 7 Inflow	01/04/2019 12:00	23187	Wooden Block	Inflow from Creek/River
88817	Daily CSO Default 7 Inflow	01/05/2019 07:00	23207	Wooden Block	Inflow from Creek/River
88873	Daily CSO Default 3-4	01/06/2019 08:30	23235	Wooden Block	Rain
89132	Daily CSO Default 7 Inflow	01/09/2019 12:00	23281	Wooden Block	Inflow from Creek/River
89362	Daily CSO Default 7 Inflow	01/13/2019 12:00	23367	Wooden Block	Inflow from Creek/River
89845	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90099	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
90224	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
90283	Daily CSO Default 7 Inflow	01/26/2019 12:00	23612	Wooden Block	Inflow from Creek/River
90314	Daily CSO Default 7 Inflow	01/28/2019 12:00	23635	Wooden Block	Inflow from Creek/River
90604	Daily CSO Default 7 Inflow	01/31/2019 12:00	23773	Wooden Block	Inflow from Creek/River
90751	Daily CSO Default 7 Inflow	02/02/2019 12:00	23832	Wooden Block	Inflow from Creek/River
91096	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91150	Daily CSO Default 7 Inflow	02/08/2019 10:00	24003	Wooden Block	Inflow from Creek/River
91236	Daily CSO Default 7 Inflow	02/09/2019 07:45	24026	Wooden Block	Inflow from Creek/River
92195	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
92317	Daily CSO Default 7 Inflow	02/24/2019 10:00	24338	Wooden Block	Inflow from Creek/River
92349	Daily CSO Default 3-4	02/25/2019 12:00	24345	Wooden Block	Rain
93006	Daily CSO Default 3-4	03/05/2019 12:00	24523	Wooden Block	Rain
93363	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
93380	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94087	Daily CSO Site Inspection	03/21/2019 12:00	25070	Active CSO	Rain
94173	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94220	Daily CSO Default 7 Inflow	03/23/2019 12:00	25131	Wooden Block	Inflow from Creek/River
94400	Daily CSO Default 7 Inflow	03/26/2019 12:00	25178	Wooden Block	Inflow from Creek/River
97012	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97446	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
97564	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
97741	Daily CSO Default 3-4	04/17/2019 12:00	25685	Wooden Block	Rain
98395	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98514	Daily CSO Default 7 Inflow	04/26/2019 10:00	25876	Wooden Block	Inflow from Creek/River
98599	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98918	Daily CSO Default 3-4	05/03/2019 10:00	26032	Wooden Block	Rain
99010	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99051	Daily CSO Default 7 Inflow	05/05/2019 12:00	26117	Wooden Block	Inflow from Creek/River
99099	Daily CSO Default 7 Inflow	05/05/2019 12:00	26202	Wooden Block	Inflow from Creek/River
99246	Daily CSO Default 7 Inflow	05/08/2019 12:00	26222	Wooden Block	Inflow from Creek/River
99293	Daily CSO Default 7 Inflow	05/09/2019 10:00	26253	Wooden Block	Inflow from Creek/River
99411	Daily CSO Default 7 Inflow	05/11/2019 12:00	26385	Wooden Block	Inflow from Creek/River
99476	Daily CSO Default 7 Inflow	05/12/2019 12:00	26397	Wooden Block	Inflow from Creek/River
99571	Daily CSO Default 7 Inflow	05/13/2019 12:00	26401	Wooden Block	Inflow from Creek/River
99811	Daily CSO Default 3-4	05/14/2019 12:00	26449	Wooden Block	Rain
99781	Daily CSO Default 7 Inflow	05/16/2019 12:00	26505	Wooden Block	Inflow from Creek/River
100583	Daily CSO Default 7 Inflow	05/29/2019 10:00	26749	Wooden Block	Inflow from Creek/River
100682	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
101024	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101983	Daily CSO Default 7 Inflow	06/13/2019 12:00	27165	Wooden Block	Inflow from Creek/River
102394	Daily CSO Default 7 Inflow	06/17/2019 12:00	27272	Wooden Block	Inflow from Creek/River
102292	Daily CSO Default 7 Inflow	06/18/2019 12:00	27301	Wooden Block	Inflow from Creek/River
102456	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102523	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102812	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103206	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103570	Daily CSO Default 3-4	07/06/2019 12:00	27683	Wooden Block	Rain
103650	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103686	Daily CSO Default 7 Inflow	07/08/2019 12:00	27728	Wooden Block	Inflow from Creek/River
103770	Daily CSO Default 7 Inflow	07/09/2019 12:00	27731	Wooden Block	Inflow from Creek/River
104325	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104428	Daily CSO Default 7 Inflow	07/18/2019 12:00	27942	Wooden Block	Inflow from Creek/River
104838	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105805	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
106502	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106621	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106982	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107436	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107595	Daily CSO Default 7 Inflow	09/02/2019 07:00	29716	Wooden Block	Inflow from Creek/River
107675	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107890	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108503	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108559	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110285	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111059	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111149	Daily CSO Default 7 Inflow	10/19/2019 12:00	31047	Wooden Block	Inflow from Creek/River
111405	Daily CSO Default 7 Inflow	10/23/2019 12:00	31058	Wooden Block	Inflow from Creek/River
111624	Daily CSO Default 7 Inflow	10/27/2019 12:00	31069	Wooden Block	Inflow from Creek/River
111802	Daily CSO Default 7 Inflow	10/29/2019 10:00	31101	Wooden Block	Inflow from Creek/River
111963	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112026	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
113639	Daily CSO Default 7 Inflow	11/24/2019 06:33	31699	Wooden Block	Inflow from Creek/River
113693	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
115105	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115086	Daily CSO Default 7 Inflow	12/14/2019 08:00	32082	Wooden Block	Inflow from Creek/River
115258	Daily CSO Default 7 Inflow	12/17/2019 12:00	32126	Wooden Block	Inflow from Creek/River
115994	Daily CSO Default 7 Inflow	12/26/2019 12:00	32338	Wooden Block	Inflow from Creek/River
116195	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 026 (N. CAMERON & CUMBERLAND)					
88556	Daily CSO Default 7 Inflow	01/01/2019 12:00	23147	Wooden Block	Inflow from Creek/River
88653	Daily CSO Default 3-4	01/02/2019 10:00	23154	Wooden Block	Rain
88815	Daily CSO Default 7 Inflow	01/05/2019 07:00	23207	Wooden Block	Inflow from Creek/River
89133	Daily CSO Default 7 Inflow	01/09/2019 12:00	23281	Wooden Block	Inflow from Creek/River
89844	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90098	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
92316	Daily CSO Default 7 Inflow	02/24/2019 10:00	24338	Wooden Block	Inflow from Creek/River
93361	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
94088	Daily CSO Site Inspection	03/21/2019 12:00	25070	Active CSO	Rain
94172	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
97445	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97537	Daily CSO Default 7 Inflow	04/15/2019 12:00	25634	Wooden Block	Inflow from Creek/River
98133	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98394	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98537	Daily CSO Site Inspection	04/26/2019 10:00	25876	Active CSO	Rain
98598	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99009	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99125	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99050	Daily CSO Default 7 Inflow	05/05/2019 12:00	26117	Wooden Block	Inflow from Creek/River
99439	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99474	Daily CSO Default 7 Inflow	05/12/2019 12:00	26397	Wooden Block	Inflow from Creek/River
99593	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99655	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
99964	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100052	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100526	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100623	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100681	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100835	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101840	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
101982	Daily CSO Default 7 Inflow	06/13/2019 12:00	27165	Wooden Block	Inflow from Creek/River
102057	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102455	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102522	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102811	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103205	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103536	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103649	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103687	Daily CSO Default 7 Inflow	07/08/2019 12:00	27728	Wooden Block	Inflow from Creek/River
103794	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103929	Daily CSO Default 3-4	07/11/2019 12:00	27789	Wooden Block	Rain
104324	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104419	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104837	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105200	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105506	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105803	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105872	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106501	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106620	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106981	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107435	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107597	Daily CSO Default 7 Inflow	09/02/2019 07:00	29716	Wooden Block	Inflow from Creek/River
107676	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107889	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108502	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108558	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109606	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
109991	Daily CSO Default 3-4	10/03/2019 12:00	30451	Wooden Block	Rain
110224	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110288	Daily CSO Default 7 Inflow	10/08/2019 12:00	30599	Wooden Block	Inflow from Creek/River
111060	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111380	Daily CSO Default 3-4	10/22/2019 12:00	31056	Wooden Block	Rain
111402	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111623	Daily CSO Default 7 Inflow	10/27/2019 12:00	31069	Wooden Block	Inflow from Creek/River
111789	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111934	Daily CSO Default 7 Inflow	10/31/2019 10:00	31122	Wooden Block	Inflow from Creek/River
112023	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
112462	Daily CSO Default 3-4	11/08/2019 12:00	31294	Wooden Block	Rain
113638	Daily CSO Default 7 Inflow	11/24/2019 06:33	31699	Wooden Block	Inflow from Creek/River
115033	Daily CSO Default 7 Inflow	12/14/2019 08:00	32082	Wooden Block	Inflow from Creek/River

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
115104	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115254	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
115330	Daily CSO Default 3-4	12/18/2019 12:00	32156	Wooden Block	Rain
115993	Daily CSO Default 7 Inflow	12/26/2019 12:00	32338	Wooden Block	Inflow from Creek/River
CSO-026 (S. CAMERON & CUMBERLAND)					
88554	Daily CSO Default 7 Inflow	01/01/2019 12:00	23147	Wooden Block	Inflow from Creek/River
88652	Daily CSO Default 3-4	01/02/2019 10:00	23154	Wooden Block	Rain
89843	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90097	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
92312	Daily CSO Default 7 Inflow	02/24/2019 10:00	24338	Wooden Block	Inflow from Creek/River
93362	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
94089	Daily CSO Site Inspection	03/21/2019 12:00	25070	Active CSO	Rain
94171	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
97444	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97541	Daily CSO Default 7 Inflow	04/15/2019 12:00	25634	Wooden Block	Inflow from Creek/River
98538	Daily CSO Site Inspection	04/26/2019 10:00	25876	Active CSO	Rain
98597	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99049	Daily CSO Default 7 Inflow	05/05/2019 12:00	26117	Wooden Block	Inflow from Creek/River
99129	Daily CSO Site Inspection	05/05/2019 12:00	26202	Active CSO	Rain
99438	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99473	Daily CSO Default 7 Inflow	05/12/2019 12:00	26397	Wooden Block	Inflow from Creek/River
99597	Daily CSO Site Inspection	05/13/2019 12:00	26401	Active CSO	Rain
99689	Daily CSO Site Inspection	05/15/2019 12:00	26475	Active CSO	Rain
99963	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100505	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100680	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100834	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101022	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101822	Daily CSO Default 3-4	06/10/2019 12:00	27034	Wooden Block	Rain
101839	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
101985	Daily CSO Default 7 Inflow	06/13/2019 12:00	27165	Wooden Block	Inflow from Creek/River
102056	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102277	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102454	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102521	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102810	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103648	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103685	Daily CSO Default 7 Inflow	07/08/2019 12:00	27728	Wooden Block	Inflow from Creek/River
103793	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103927	Daily CSO Default 3-4	07/11/2019 12:00	27789	Wooden Block	Rain
104323	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104418	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104836	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105483	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105801	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105871	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106500	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106619	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106955	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106980	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107434	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107598	Daily CSO Default 7 Inflow	09/02/2019 07:00	29716	Wooden Block	Inflow from Creek/River
107674	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107888	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108501	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108557	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110287	Daily CSO Default 7 Inflow	10/08/2019 12:00	30599	Wooden Block	Inflow from Creek/River
111058	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111400	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111621	Daily CSO Default 7 Inflow	10/27/2019 12:00	31069	Wooden Block	Inflow from Creek/River
111790	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111935	Daily CSO Default 7 Inflow	10/31/2019 10:00	31122	Wooden Block	Inflow from Creek/River
112020	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
113637	Daily CSO Default 7 Inflow	11/24/2019 06:33	31699	Wooden Block	Inflow from Creek/River
113692	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
114202	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114817	Daily CSO Default 3-4	12/10/2019 12:00	31969	Wooden Block	Rain
115032	Daily CSO Default 7 Inflow	12/14/2019 08:00	32082	Wooden Block	Inflow from Creek/River
115259	Daily CSO Default 7 Inflow	12/17/2019 12:00	32126	Wooden Block	Inflow from Creek/River
116192	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 027 (9TH & CUMBERLAND)					
88569	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
90096	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
91165	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
94170	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
97434	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97563	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98132	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98393	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98596	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99485	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
100114	Daily CSO Default 7 Inflow	05/20/2019 12:00	26599	Wooden Block	Inflow from Creek/River
100504	Daily CSO Site Inspection	05/28/2019 10:00	26728	Active CSO	Rain
100622	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100679	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
101021	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101994	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain
102453	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102809	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103696	Daily CSO Default 3-4	07/08/2019 12:00	27728	Wooden Block	Rain
103926	Daily CSO Default 3-4	07/11/2019 12:00	27789	Wooden Block	Rain
104417	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
105505	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105802	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
106499	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106618	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
107611	Daily CSO Default 7 Inflow	09/02/2019 07:00	29716	Wooden Block	Inflow from Creek/River
107673	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107887	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
111057	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111401	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111622	Daily CSO Default 7 Inflow	10/27/2019 12:00	31069	Wooden Block	Inflow from Creek/River
111788	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111962	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112014	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113636	Daily CSO Default 7 Inflow	11/24/2019 06:33	31699	Wooden Block	Inflow from Creek/River
116190	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 028 (9TH & HEMP)					
88568	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
90116	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
90226	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91095	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91460	Daily CSO Default 3-4	02/12/2019 10:00	24066	Wooden Block	Rain
93440	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
94090	Daily CSO Site Inspection	03/21/2019 12:00	25070	Active CSO	Rain
94169	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94218	Daily CSO Default 3-4	03/23/2019 12:00	25131	Wooden Block	Rain
97433	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97562	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98131	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98391	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98539	Daily CSO Site Inspection	04/26/2019 10:00	25876	Active CSO	Rain
98595	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98697	Daily CSO Default 3-4	04/29/2019 12:00	25922	Wooden Block	Rain
99008	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99121	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99062	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99512	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99570	Daily CSO Default 7 Inflow	05/13/2019 12:00	26401	Wooden Block	Inflow from Creek/River
99813	Daily CSO Site Inspection	05/14/2019 12:00	26449	Active CSO	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
99962	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100051	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100621	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100678	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100833	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101020	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101838	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
101993	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain
102055	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102240	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102276	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102452	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102520	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102808	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103204	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103647	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103724	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103792	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104322	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104415	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104835	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105199	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105504	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105809	Daily CSO Site Inspection	08/07/2019 12:00	28448	Wooden Block	Rain
105870	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106498	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106617	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106953	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106979	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107433	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107672	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107886	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108500	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108556	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109302	Daily CSO Site Inspection	09/25/2019 12:00	30161	Dry Weather Overflow	High hydraulic flow
109605	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
110283	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111056	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111378	Daily CSO Default 3-4	10/22/2019 12:00	31056	Wooden Block	Rain
111397	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111625	Daily CSO Default 7 Inflow	10/27/2019 12:00	31069	Wooden Block	Inflow from Creek/River
111794	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111959	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112016	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
112459	Daily CSO Default 3-4	11/08/2019 12:00	31294	Wooden Block	Rain
113631	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113691	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114201	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114383	Daily CSO Default 3-4	12/05/2019 10:00	31911	Wooden Block	Rain
115045	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115409	Daily CSO Default 3-4	12/15/2019 12:00	32109	Wooden Block	Rain
115251	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116188	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116266	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CSO 029 (E. CAMERON & NORTH)					
88567	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
88819	Daily CSO Default 3-4	01/05/2019 07:00	23207	Wooden Block	Rain
89130	Daily CSO Default 3-4	01/09/2019 12:00	23281	Wooden Block	Rain
89842	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90095	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
90225	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
90284	Daily CSO Default 7 Inflow	01/26/2019 12:00	23612	Wooden Block	Inflow from Creek/River
91093	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91166	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
91495	Daily CSO Default 3-4	02/13/2019 10:00	24091	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
92194	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
92313	Daily CSO Default 7 Inflow	02/24/2019 10:00	24338	Wooden Block	Inflow from Creek/River
92347	Daily CSO Default 3-4	02/25/2019 12:00	24345	Wooden Block	Rain
92796	Daily CSO Default 3-4	03/02/2019 09:00	24473	Wooden Block	Rain
93005	Daily CSO Default 3-4	03/05/2019 12:00	24523	Wooden Block	Rain
93360	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
93379	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94091	Daily CSO Site Inspection	03/21/2019 12:00	25070	Active CSO	Rain
94168	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94215	Daily CSO Default 3-4	03/23/2019 12:00	25131	Wooden Block	Rain
94398	Daily CSO Default 3-4	03/26/2019 12:00	25178	Wooden Block	Rain
97011	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97443	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97538	Daily CSO Default 7 Inflow	04/15/2019 12:00	25634	Wooden Block	Inflow from Creek/River
98130	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98392	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98533	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98594	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98696	Daily CSO Default 3-4	04/29/2019 12:00	25922	Wooden Block	Rain
99007	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99124	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99061	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99437	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99472	Daily CSO Default 7 Inflow	05/12/2019 12:00	26397	Wooden Block	Inflow from Creek/River
99569	Daily CSO Default 7 Inflow	05/13/2019 12:00	26401	Wooden Block	Inflow from Creek/River
99654	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
99961	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100050	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100303	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100525	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100620	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100677	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100832	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101019	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101823	Daily CSO Default 3-4	06/10/2019 12:00	27034	Wooden Block	Rain
101992	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain
102054	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102239	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102275	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102451	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102519	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102807	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103203	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103535	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103569	Daily CSO Default 3-4	07/06/2019 12:00	27683	Wooden Block	Rain
103646	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103695	Daily CSO Default 3-4	07/08/2019 12:00	27728	Wooden Block	Rain
103791	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103928	Daily CSO Default 3-4	07/11/2019 12:00	27789	Wooden Block	Rain
103963	Daily CSO Default 3-4	07/12/2019 09:30	27824	Wooden Block	Rain
104321	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104416	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104834	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105198	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105318	Daily CSO Default 3-4	07/31/2019 12:00	28262	Wooden Block	Rain
105503	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105800	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105869	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106497	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106591	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106954	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106978	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107671	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107885	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108499	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
108555	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109604	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
109988	Daily CSO Default 3-4	10/03/2019 12:00	30451	Wooden Block	Rain
110223	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110282	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111055	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111396	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111739	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111786	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111960	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112019	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
112777	Daily CSO Default 3-4	11/12/2019 12:00	31368	Wooden Block	Rain
113629	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113688	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114196	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114381	Daily CSO Default 3-4	12/05/2019 10:00	31911	Wooden Block	Rain
115102	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115046	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115234	Daily CSO Site Inspection	12/17/2019 12:00	32126	Wooden Block	Rain
115817	Daily CSO Default 7 Inflow	12/25/2019 12:00	32328	Wooden Block	Inflow from Creek/River
116186	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 030 (W. CAMERON & NORTH)					
88566	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
90094	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
90219	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91094	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91164	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
93441	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
93378	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94167	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
97442	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97561	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98129	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98390	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98531	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98593	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99005	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99122	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99058	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99484	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
99601	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99653	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
100049	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100302	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100524	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100619	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100676	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100831	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101018	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101837	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
101990	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain
102053	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102274	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102450	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102518	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102806	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103202	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103534	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103645	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103694	Daily CSO Default 3-4	07/08/2019 12:00	27728	Wooden Block	Rain
103790	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104320	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104414	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104833	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105197	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
105502	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105799	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105868	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106496	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106616	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106952	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106977	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107432	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107669	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107884	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108498	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108554	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110221	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110281	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111054	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111394	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111738	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111787	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111955	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112015	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113632	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113690	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
116183	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO-051 (CAMERON & STATE)					
88565	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
89128	Daily CSO Default 3-4	01/09/2019 12:00	23281	Wooden Block	Rain
89867	Daily CSO Site Inspection	01/20/2019 12:00	23502	Active CSO	Rain
90115	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
90227	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91092	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91163	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
91492	Daily CSO Default 3-4	02/13/2019 10:00	24091	Wooden Block	Rain
92193	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
92408	Daily CSO Default 3-4	02/24/2019 12:00	24338	Wooden Block	Rain
93439	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
93377	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94092	Daily CSO Site Inspection	03/21/2019 12:00	25070	Active CSO	Rain
94166	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94368	Daily CSO Site Inspection	03/23/2019 12:00	25131	Active CSO	Rain
94397	Daily CSO Default 3-4	03/26/2019 12:00	25178	Wooden Block	Rain
97010	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97432	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97560	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98128	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98389	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98528	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98592	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98694	Daily CSO Default 3-4	04/29/2019 12:00	25922	Wooden Block	Rain
99006	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99123	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99071	Daily CSO Site Inspection	05/05/2019 12:00	26117	Active CSO	Rain
99436	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99511	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99598	Daily CSO Site Inspection	05/13/2019 12:00	26401	Active CSO	Rain
99652	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
99959	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100048	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100301	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100523	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100618	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100673	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100830	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101017	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101835	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
101991	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
102052	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102260	Daily CSO Site Inspection	06/17/2019 12:00	27272	Active CSO	Rain
102293	Daily CSO Site Inspection	06/18/2019 12:00	27301	Active CSO	Rain
102449	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102558	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102805	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103644	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103738	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103789	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104319	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104413	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104831	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105482	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105798	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105867	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106475	Daily CSO Site Inspection	08/17/2019 12:00	29324	Wooden Block	Rain
106592	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
107308	Daily CSO Site Inspection	08/23/2019 12:00	29478	Wooden Block	Rain
107431	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107680	Daily CSO Site Inspection	09/03/2019 12:00	29719	Wooden Block	Rain
108497	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108553	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110228	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110280	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111053	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111376	Daily CSO Default 3-4	10/22/2019 12:00	31056	Wooden Block	Rain
111395	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111737	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111784	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111958	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112012	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
112461	Daily CSO Default 3-4	11/08/2019 12:00	31294	Wooden Block	Rain
112775	Daily CSO Default 3-4	11/12/2019 12:00	31368	Wooden Block	Rain
113646	Daily CSO Site Inspection	11/24/2019 06:49	31699	Wooden Block	Rain
113689	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114199	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
115103	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115044	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115249	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116199	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 031 (W. CAMERON & WALNUT)					
88564	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
88816	Daily CSO Default 7 Inflow	01/05/2019 07:00	23207	Wooden Block	Inflow from Creek/River
89129	Daily CSO Default 3-4	01/09/2019 12:00	23281	Wooden Block	Rain
89361	Daily CSO Default 7 Inflow	01/13/2019 12:00	23367	Wooden Block	Inflow from Creek/River
89841	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90093	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
90218	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91151	Daily CSO Default 7 Inflow	02/08/2019 10:00	24003	Wooden Block	Inflow from Creek/River
92324	Daily CSO Default 3-4	02/24/2019 10:00	24338	Wooden Block	Rain
93359	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
94165	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94211	Daily CSO Default 7 Inflow	03/23/2019 12:00	25131	Wooden Block	Inflow from Creek/River
97441	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97559	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98127	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98387	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98591	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99004	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99120	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99048	Daily CSO Default 7 Inflow	05/05/2019 12:00	26117	Wooden Block	Inflow from Creek/River
99471	Daily CSO Default 7 Inflow	05/12/2019 12:00	26397	Wooden Block	Inflow from Creek/River
99592	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99650	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
99960	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
100047	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100300	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100521	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100617	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100674	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100829	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101016	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101836	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
101989	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain
102051	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102237	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102271	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102448	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102527	Daily CSO Default 7 Inflow	06/21/2019 12:00	27421	Wooden Block	Inflow from Creek/River
102804	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103533	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103643	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103684	Daily CSO Default 7 Inflow	07/08/2019 12:00	27728	Wooden Block	Inflow from Creek/River
103788	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104317	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104412	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104832	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105195	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105484	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105797	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105866	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106495	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106615	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
107430	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107668	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107883	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108496	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108552	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110220	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
111052	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111233	Daily CSO Default 7 Inflow	10/20/2019 12:00	31049	Wooden Block	Inflow from Creek/River
111393	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111629	Daily CSO Default 7 Inflow	10/27/2019 12:00	31069	Wooden Block	Inflow from Creek/River
111785	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111957	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112018	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
112779	Daily CSO Default 7 Inflow	11/12/2019 12:00	31368	Wooden Block	Inflow from Creek/River
112886	Daily CSO Default 7 Inflow	11/13/2019 12:00	31396	Wooden Block	Inflow from Creek/River
112961	Daily CSO Default 7 Inflow	11/14/2019 12:00	31429	Wooden Block	Inflow from Creek/River
113630	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113686	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114203	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114816	Daily CSO Default 3-4	12/10/2019 12:00	31969	Wooden Block	Rain
115100	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115031	Daily CSO Default 7 Inflow	12/14/2019 08:00	32082	Wooden Block	Inflow from Creek/River
115253	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116193	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 033 (E. CAMERON & WALNUT)					
88540	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
89840	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90092	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
90217	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91145	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
92315	Daily CSO Default 7 Inflow	02/24/2019 10:00	24338	Wooden Block	Inflow from Creek/River
93358	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
94164	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94232	Daily CSO Default 3-4	03/23/2019 12:00	25131	Wooden Block	Rain
97440	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97542	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98227	Daily CSO Default 3-4	04/20/2019 12:00	25773	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
98388	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98590	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99435	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99510	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99599	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99651	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
100054	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100304	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100506	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100582	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100655	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100828	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101834	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
102050	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102236	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102270	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102447	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102516	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102816	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103642	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103683	Daily CSO Default 7 Inflow	07/08/2019 12:00	27728	Wooden Block	Inflow from Creek/River
103787	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104318	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104411	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104848	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105501	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105808	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105880	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106476	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106593	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106976	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107681	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107882	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108495	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108551	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
111031	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111148	Daily CSO Default 7 Inflow	10/19/2019 12:00	31047	Wooden Block	Inflow from Creek/River
111406	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111630	Daily CSO Default 7 Inflow	10/27/2019 12:00	31069	Wooden Block	Inflow from Creek/River
111770	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111933	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112028	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
113628	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
114235	Daily CSO Default 3-4	11/25/2019 12:00	31701	Wooden Block	Rain
114172	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114815	Daily CSO Default 3-4	12/10/2019 12:00	31969	Wooden Block	Rain
115107	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115049	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115238	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116185	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116268	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CSO-054 / S. MARKET & CAMERON					
88563	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
88651	Daily CSO Default 3-4	01/02/2019 10:00	23154	Wooden Block	Rain
88872	Daily CSO Default 3-4	01/06/2019 08:30	23235	Wooden Block	Rain
89025	Daily CSO Default 3-4	01/08/2019 12:00	23264	Wooden Block	Rain
89127	Daily CSO Default 3-4	01/09/2019 12:00	23281	Wooden Block	Rain
89866	Daily CSO Site Inspection	01/20/2019 12:00	23502	Active CSO	Rain
90114	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
90216	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91089	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91162	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
91458	Daily CSO Default 3-4	02/12/2019 10:00	24066	Wooden Block	Rain
91494	Daily CSO Default 3-4	02/13/2019 10:00	24091	Wooden Block	Rain
91911	Daily CSO Default 3-4	02/18/2019 12:00	24180	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
92192	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
92322	Daily CSO Default 3-4	02/24/2019 10:00	24338	Wooden Block	Rain
92346	Daily CSO Default 3-4	02/25/2019 12:00	24345	Wooden Block	Rain
93004	Daily CSO Default 3-4	03/05/2019 12:00	24523	Wooden Block	Rain
93438	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
93376	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94093	Daily CSO Site Inspection	03/21/2019 12:00	25070	Active CSO	Rain
94162	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94217	Daily CSO Default 3-4	03/23/2019 12:00	25131	Wooden Block	Rain
94395	Daily CSO Default 3-4	03/26/2019 12:00	25178	Wooden Block	Rain
97009	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97450	Daily CSO Site Inspection	04/13/2019 12:00	25626	Active CSO	Rain
97480	Daily CSO Site Inspection	04/14/2019 12:00	25631	Active CSO	Rain
97557	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
97740	Daily CSO Default 3-4	04/17/2019 12:00	25685	Wooden Block	Rain
98126	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98386	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98540	Daily CSO Site Inspection	04/26/2019 10:00	25876	Active CSO	Rain
98589	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98695	Daily CSO Default 3-4	04/29/2019 12:00	25922	Wooden Block	Rain
99003	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99119	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99070	Daily CSO Site Inspection	05/05/2019 12:00	26117	Active CSO	Rain
99434	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99509	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99600	Daily CSO Site Inspection	05/13/2019 12:00	26401	Active CSO	Rain
99649	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
99782	Daily CSO Default 3-4	05/16/2019 12:00	26505	Wooden Block	Rain
99958	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100046	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100299	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100520	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100616	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100675	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100937	Daily CSO Default 3-4	06/02/2019 12:00	26861	Wooden Block	Rain
101014	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101833	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
102008	Daily CSO Site Inspection	06/13/2019 12:00	27165	Active CSO	Rain
102049	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102235	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102272	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102446	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102515	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102803	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103201	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103622	Daily CSO Site Inspection	07/05/2019 12:00	27673	Wooden Block	Rain
103623	Daily CSO Site Inspection	07/07/2019 12:00	27694	Wooden Block	Rain
103737	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103786	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103962	Daily CSO Default 3-4	07/12/2019 09:30	27824	Wooden Block	Rain
104316	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104410	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104830	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105289	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105317	Daily CSO Default 3-4	07/31/2019 12:00	28262	Wooden Block	Rain
105500	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105865	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106494	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106614	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
107309	Daily CSO Site Inspection	08/23/2019 12:00	29478	Wooden Block	Rain
106975	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107429	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107670	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107880	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108494	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
108550	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109603	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
109989	Daily CSO Default 3-4	10/03/2019 12:00	30451	Wooden Block	Rain
110225	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110279	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111050	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111392	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111736	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111783	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111954	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112370	Daily CSO Default 3-4	11/01/2019 12:00	31142	Wooden Block	Rain
112460	Daily CSO Default 3-4	11/08/2019 12:00	31294	Wooden Block	Rain
112776	Daily CSO Default 3-4	11/12/2019 12:00	31368	Wooden Block	Rain
113645	Daily CSO Site Inspection	11/24/2019 06:47	31699	Wooden Block	Rain
113687	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114195	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114382	Daily CSO Default 3-4	12/05/2019 10:00	31911	Wooden Block	Rain
115099	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115051	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115246	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116189	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 037 (10TH & MARKET)					
88820	Daily CSO Default 3-4	01/05/2019 07:00	23207	Wooden Block	Rain
90113	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
90215	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91459	Daily CSO Default 3-4	02/12/2019 10:00	24066	Wooden Block	Rain
93437	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
94153	Daily CSO Default 3-4	03/22/2019 12:00	25106	Wooden Block	Rain
94216	Daily CSO Default 3-4	03/23/2019 12:00	25131	Wooden Block	Rain
97431	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97556	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
97738	Daily CSO Default 3-4	04/17/2019 12:00	25685	Wooden Block	Rain
98125	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98532	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98588	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98919	Daily CSO Default 3-4	05/03/2019 10:00	26032	Wooden Block	Rain
99002	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99118	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99060	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99508	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99591	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99648	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
100045	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100298	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100522	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100615	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100672	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100826	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
100934	Daily CSO Default 3-4	06/02/2019 12:00	26861	Wooden Block	Rain
101013	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101832	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
101987	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain
102048	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102234	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102268	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102444	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102514	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102802	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103531	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103640	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103736	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103785	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103925	Daily CSO Default 3-4	07/11/2019 12:00	27789	Wooden Block	Rain
103959	Daily CSO Default 3-4	07/12/2019 09:30	27824	Wooden Block	Rain
104314	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
104409	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104829	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105196	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105498	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105796	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105864	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106493	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106613	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106974	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107428	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107667	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107881	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108493	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108549	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109602	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
110222	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110278	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111051	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111391	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111734	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111781	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111953	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112011	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
112456	Daily CSO Default 3-4	11/08/2019 12:00	31294	Wooden Block	Rain
113627	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113685	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114200	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114814	Daily CSO Default 3-4	12/10/2019 12:00	31969	Wooden Block	Rain
115050	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115106	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115245	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
115331	Daily CSO Default 3-4	12/18/2019 12:00	32156	Wooden Block	Rain
116184	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116265	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CSO 039 (10TH & CHESTNUT)					
88561	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
89839	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90089	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
90214	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91161	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
93435	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
94163	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94214	Daily CSO Default 3-4	03/23/2019 12:00	25131	Wooden Block	Rain
97430	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97555	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98124	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98587	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99001	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99507	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
100044	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100519	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100614	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100671	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100827	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
100936	Daily CSO Default 3-4	06/02/2019 12:00	26861	Wooden Block	Rain
101012	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
102445	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102513	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102801	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103200	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103641	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103693	Daily CSO Default 3-4	07/08/2019 12:00	27728	Wooden Block	Rain
103784	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104315	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104408	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
104827	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105194	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105499	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105794	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105863	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106492	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106612	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106973	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107427	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107666	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107879	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108492	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108548	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110284	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111049	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111398	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111735	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111793	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111951	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112010	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113626	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
114194	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
115098	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115043	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115255	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116194	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 039 (S. MULBERRY & CAMERON)					
88553	Daily CSO Default 7 Inflow	01/01/2019 12:00	23147	Wooden Block	Inflow from Creek/River
88650	Daily CSO Default 3-4	01/02/2019 10:00	23154	Wooden Block	Rain
89838	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90091	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
91149	Daily CSO Default 7 Inflow	02/08/2019 10:00	24003	Wooden Block	Inflow from Creek/River
92314	Daily CSO Default 7 Inflow	02/24/2019 10:00	24338	Wooden Block	Inflow from Creek/River
93357	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
94161	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94233	Daily CSO Default 7 Inflow	03/23/2019 12:00	25131	Wooden Block	Inflow from Creek/River
97439	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97482	Daily CSO Default 7 Inflow	04/14/2019 12:00	25631	Wooden Block	Inflow from Creek/River
97539	Daily CSO Default 7 Inflow	04/15/2019 12:00	25634	Wooden Block	Inflow from Creek/River
98123	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98385	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98586	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99000	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99117	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99047	Daily CSO Default 7 Inflow	05/05/2019 12:00	26117	Wooden Block	Inflow from Creek/River
99506	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99590	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99810	Daily CSO Default 3-4	05/14/2019 12:00	26449	Wooden Block	Rain
100669	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100935	Daily CSO Default 3-4	06/02/2019 12:00	26861	Wooden Block	Rain
101011	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
102443	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102512	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
103199	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103639	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103682	Daily CSO Default 7 Inflow	07/08/2019 12:00	27728	Wooden Block	Inflow from Creek/River
103783	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103960	Daily CSO Default 3-4	07/12/2019 09:30	27824	Wooden Block	Rain
104313	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104407	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104828	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105193	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105497	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105795	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105862	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
106491	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106594	Daily CSO Site Inspection	08/19/2019 11:30	29336	Wooden Block	Rain
106972	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107426	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107612	Daily CSO Default 7 Inflow	09/02/2019 07:00	29716	Wooden Block	Inflow from Creek/River
107665	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107878	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108491	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
109601	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
110227	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110286	Daily CSO Default 7 Inflow	10/08/2019 12:00	30599	Wooden Block	Inflow from Creek/River
111048	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111377	Daily CSO Default 3-4	10/22/2019 12:00	31056	Wooden Block	Rain
111404	Daily CSO Default 7 Inflow	10/23/2019 12:00	31058	Wooden Block	Inflow from Creek/River
111469	Daily CSO Default 7 Inflow	10/24/2019 12:00	31059	Wooden Block	Inflow from Creek/River
111556	Daily CSO Default 7 Inflow	10/25/2019 12:00	31061	Wooden Block	Inflow from Creek/River
111634	Daily CSO Default 7 Inflow	10/27/2019 12:00	31069	Wooden Block	Inflow from Creek/River
111782	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111949	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112024	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
112457	Daily CSO Default 3-4	11/08/2019 12:00	31294	Wooden Block	Rain
112774	Daily CSO Default 3-4	11/12/2019 12:00	31368	Wooden Block	Rain
113635	Daily CSO Default 7 Inflow	11/24/2019 06:33	31699	Wooden Block	Inflow from Creek/River
113684	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114193	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114380	Daily CSO Default 3-4	12/05/2019 10:00	31911	Wooden Block	Rain
115097	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115041	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115235	Daily CSO Site Inspection	12/17/2019 12:00	32126	Wooden Block	Rain
116182	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116264	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CSO-040 (BLMUSEUM & CAMERON)					
88552	Daily CSO Default 7 Inflow	01/01/2019 12:00	23147	Wooden Block	Inflow from Creek/River
89862	Daily CSO Default 3-4	01/20/2019 12:00	23502	Wooden Block	Rain
90088	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
91090	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91159	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
93355	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
94160	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
97438	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97554	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98585	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99116	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99059	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99505	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99589	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99647	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
100043	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100518	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100670	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100825	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101010	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
102442	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102510	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
103198	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103638	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103692	Daily CSO Default 3-4	07/08/2019 12:00	27728	Wooden Block	Rain
104312	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104826	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105496	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105792	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105861	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106490	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106611	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106971	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
107425	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107614	Daily CSO Default 7 Inflow	09/02/2019 07:00	29716	Wooden Block	Inflow from Creek/River
107664	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
108490	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108547	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110276	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111733	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111778	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111952	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112021	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
113674	Daily CSO Default 3-4	11/25/2019 06:03	31699	Wooden Block	Rain
114192	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
115030	Daily CSO Default 7 Inflow	12/14/2019 08:00	32082	Wooden Block	Inflow from Creek/River
116187	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 041 (W. MULBERRY & CAMERON)					
88551	Daily CSO Default 7 Inflow	01/01/2019 12:00	23147	Wooden Block	Inflow from Creek/River
88874	Daily CSO Default 3-4	01/06/2019 08:30	23235	Wooden Block	Rain
89837	Daily CSO Default 7 Inflow	01/20/2019 12:00	23502	Wooden Block	Inflow from Creek/River
90087	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
91160	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
93356	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
94159	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
97437	Daily CSO Default 7 Inflow	04/13/2019 12:00	25626	Wooden Block	Inflow from Creek/River
97481	Daily CSO Default 7 Inflow	04/14/2019 12:00	25631	Wooden Block	Inflow from Creek/River
97540	Daily CSO Default 7 Inflow	04/15/2019 12:00	25634	Wooden Block	Inflow from Creek/River
98584	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99115	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99483	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
99588	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99646	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
100042	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100517	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100613	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100824	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101009	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
102441	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102511	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102800	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103637	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103691	Daily CSO Default 3-4	07/08/2019 12:00	27728	Wooden Block	Rain
103782	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104311	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104406	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104824	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105192	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105495	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105793	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105860	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106489	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106610	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106970	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107424	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107615	Daily CSO Default 7 Inflow	09/02/2019 07:00	29716	Wooden Block	Inflow from Creek/River
107663	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
108489	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108546	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
111390	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111719	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111779	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111956	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112022	Daily CSO Default 7 Inflow	11/01/2019 11:00	31142	Wooden Block	Inflow from Creek/River
112778	Daily CSO Default 7 Inflow	11/12/2019 12:00	31368	Wooden Block	Inflow from Creek/River
112885	Daily CSO Default 7 Inflow	11/13/2019 12:00	31396	Wooden Block	Inflow from Creek/River
113169	Daily CSO Site Inspection	11/17/2019 08:30	31495	Dry Weather Overflow	
113633	Daily CSO Default 7 Inflow	11/24/2019 06:33	31699	Wooden Block	Inflow from Creek/River

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
116191	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 002 (N. KITTATINNY & CAMERON)					
88870	Daily CSO Default 3-4	01/06/2019 08:30	23235	Wooden Block	Rain
89865	Daily CSO Site Inspection	01/20/2019 12:00	23502	Active CSO	Rain
90086	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
91146	Daily CSO Site Inspection	02/08/2019 10:00	24003	Active CSO	Rain
91496	Daily CSO Default 3-4	02/13/2019 10:00	24091	Wooden Block	Rain
91912	Daily CSO Default 3-4	02/18/2019 12:00	24180	Wooden Block	Rain
92190	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
92319	Daily CSO Site Inspection	02/24/2019 10:00	24338	Active CSO	Rain
93353	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
93374	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94158	Daily CSO Default 7 Inflow	03/22/2019 12:00	25106	Wooden Block	Inflow from Creek/River
94396	Daily CSO Default 3-4	03/26/2019 12:00	25178	Wooden Block	Rain
97007	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97429	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97553	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98122	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98384	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98541	Daily CSO Site Inspection	04/26/2019 10:00	25876	Active CSO	Rain
98583	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98693	Daily CSO Default 3-4	04/29/2019 12:00	25922	Wooden Block	Rain
98999	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99068	Daily CSO Site Inspection	05/05/2019 12:00	26117	Active CSO	Rain
99114	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99245	Daily CSO Site Inspection	05/08/2019 12:00	26222	Active CSO	Rain
99432	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99504	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99587	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99957	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100041	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100297	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100667	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100823	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101008	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
102009	Daily CSO Site Inspection	06/13/2019 12:00	27165	Active CSO	Rain
102047	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102366	Daily CSO Default 3-4	06/19/2019 12:00	27333	Wooden Block	Rain
102440	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102509	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102798	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103197	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103530	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103636	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103735	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103781	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104310	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104405	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104825	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105191	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105494	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105791	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105859	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106488	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106609	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106949	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106969	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107423	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107662	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107877	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108488	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108545	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109987	Daily CSO Default 3-4	10/03/2019 12:00	30451	Wooden Block	Rain
110218	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
111389	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
111720	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111777	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
112009	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
112455	Daily CSO Default 3-4	11/08/2019 12:00	31294	Wooden Block	Rain
112773	Daily CSO Default 3-4	11/12/2019 12:00	31368	Wooden Block	Rain
113625	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113683	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114190	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114379	Daily CSO Default 3-4	12/05/2019 10:00	31911	Wooden Block	Rain
114813	Daily CSO Default 3-4	12/10/2019 12:00	31969	Wooden Block	Rain
115040	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115236	Daily CSO Site Inspection	12/17/2019 12:00	32126	Wooden Block	Rain
115329	Daily CSO Default 3-4	12/18/2019 12:00	32156	Wooden Block	Rain
116180	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 023 (S. KITATINNY & CAMERON)					
90090	Daily CSO Default 7 Inflow	01/24/2019 12:00	23548	Wooden Block	Inflow from Creek/River
93354	Daily CSO Default 7 Inflow	03/10/2019 12:00	24614	Wooden Block	Inflow from Creek/River
94177	Daily CSO Site Inspection	03/22/2019 12:00	25106	Active CSO	Rain
97427	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97551	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98119	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98581	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99057	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99482	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
100295	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100666	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
102438	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102507	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
103195	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103528	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103634	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103732	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103779	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
105186	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105492	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105788	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105857	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106486	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106607	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106967	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107421	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107659	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107875	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108485	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108543	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110273	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111723	Daily CSO Default 3-4	10/27/2019 12:00	31069	Wooden Block	Rain
111780	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
112007	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
115095	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115042	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
116181	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116262	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CSO 024 (CAMERON & BERRYHILL)					
88560	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
89861	Daily CSO Default 3-4	01/20/2019 12:00	23502	Wooden Block	Rain
90111	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
90212	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91156	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
91908	Daily CSO Default 3-4	02/18/2019 12:00	24180	Wooden Block	Rain
92189	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
93434	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
93375	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94181	Daily CSO Site Inspection	03/22/2019 12:00	25106	Active CSO	Rain
94393	Daily CSO Default 3-4	03/26/2019 12:00	25178	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
97006	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97426	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97550	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98121	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98382	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98530	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98580	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98998	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99067	Daily CSO Site Inspection	05/05/2019 12:00	26117	Active CSO	Rain
99112	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99430	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99481	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
99585	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99645	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
100039	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100294	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100612	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100664	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100822	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101005	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101830	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
102230	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102267	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102437	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102506	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102796	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103194	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103526	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103633	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103731	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103778	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104308	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104404	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104818	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105491	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105789	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105856	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106485	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106606	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106966	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107420	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107660	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107874	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108486	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108542	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110274	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111047	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111388	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111724	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111776	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111947	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112006	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113624	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113681	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114191	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114376	Daily CSO Default 3-4	12/05/2019 10:00	31911	Wooden Block	Rain
114812	Daily CSO Default 3-4	12/10/2019 12:00	31969	Wooden Block	Rain
115094	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115252	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116178	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116261	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CSO 005 (S. PAXTON STREET)					
90109	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
93433	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
97425	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
98381	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98579	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98995	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99055	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99111	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99442	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99480	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
100481	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100997	Daily CSO Default 3-4	05/29/2019 12:00	26749	Wooden Block	Rain
100821	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101004	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101829	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
102041	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102228	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102265	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102436	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
103193	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103632	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103733	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103777	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
106484	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
107419	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107658	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
108484	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108541	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
111725	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
112801	Daily CSO Default 3-4	11/12/2019 12:00	31368	Wooden Block	Rain
113622	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
115039	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
116179	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO-046 (N. PAXTON STREET)					
90110	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
93431	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
97423	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
98380	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98578	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98996	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99054	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99110	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99443	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99479	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
100996	Daily CSO Default 3-4	05/29/2019 12:00	26749	Wooden Block	Rain
100820	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
101002	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101828	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
102042	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102229	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102263	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102435	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
103192	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103631	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103730	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103776	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
106483	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
107418	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107657	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
108483	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108540	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
111726	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
112772	Daily CSO Default 3-4	11/12/2019 12:00	31368	Wooden Block	Rain
113621	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
115038	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
116177	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO-048 (10TH & SHANNON)					
88542	Daily CSO Site Inspection	01/01/2019 12:00	23147	Active CSO	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
88649	Daily CSO Default 3-4	01/02/2019 10:00	23154	Wooden Block	Rain
88814	Daily CSO Site Inspection	01/05/2019 07:00	23207	Active CSO	Rain
88871	Daily CSO Default 3-4	01/06/2019 08:30	23235	Wooden Block	Rain
89125	Daily CSO Default 3-4	01/09/2019 12:00	23281	Wooden Block	Rain
89864	Daily CSO Site Inspection	01/20/2019 12:00	23502	Active CSO	Rain
90107	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
90228	Daily CSO Site Inspection	01/25/2019 12:00	23569	Active CSO	Rain
91086	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91147	Daily CSO Site Inspection	02/08/2019 10:00	24003	Active CSO	Rain
91679	Daily CSO Default 3-4	02/15/2019 12:00	24130	Wooden Block	Rain
91765	Daily CSO Default 3-4	02/16/2019 12:00	24169	Wooden Block	Rain
91823	Daily CSO Default 3-4	02/17/2019 12:00	24178	Wooden Block	Rain
92377	Daily CSO Default 3-4	02/18/2019 12:00	24180	Wooden Block	Rain
92154	Daily CSO Site Inspection	02/21/2019 13:38	24246	Active CSO	Rain
92187	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
92320	Daily CSO Site Inspection	02/24/2019 10:00	24338	Active CSO	Rain
92348	Daily CSO Default 3-4	02/25/2019 12:00	24345	Wooden Block	Rain
93432	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
93373	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94182	Daily CSO Site Inspection	03/22/2019 12:00	25106	Active CSO	Rain
94369	Daily CSO Default 3-4	03/23/2019 12:00	25131	Wooden Block	Rain
94392	Daily CSO Default 3-4	03/26/2019 12:00	25178	Wooden Block	Rain
97451	Daily CSO Site Inspection	04/13/2019 12:00	25626	Active CSO	Rain
97543	Daily CSO Site Inspection	04/15/2019 12:00	25634	Active CSO	Rain
98118	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98379	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98543	Daily CSO Site Inspection	04/26/2019 10:00	25876	Active CSO	Rain
98577	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98920	Daily CSO Default 3-4	05/03/2019 10:00	26032	Wooden Block	Rain
98994	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99066	Daily CSO Site Inspection	05/05/2019 12:00	26117	Active CSO	Rain
99109	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99433	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99502	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99584	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99629	Daily CSO Site Inspection	05/14/2019 10:30	26449	Active CSO	Rain
99783	Daily CSO Default 3-4	05/16/2019 12:00	26505	Wooden Block	Rain
99955	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100038	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100292	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100988	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100610	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100663	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100817	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
100933	Daily CSO Default 3-4	06/02/2019 12:00	26861	Wooden Block	Rain
101000	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101827	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
102010	Daily CSO Site Inspection	06/13/2019 12:00	27165	Active CSO	Rain
102040	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102232	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102395	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102433	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102791	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102794	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103190	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103568	Daily CSO Default 3-4	07/06/2019 12:00	27683	Wooden Block	Rain
103630	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103729	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103775	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
104306	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104401	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104822	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105187	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105489	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105787	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
105855	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106482	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106604	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106951	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106965	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107417	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107651	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107873	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108482	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108539	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109599	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
110216	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110272	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111046	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111379	Daily CSO Default 3-4	10/22/2019 12:00	31056	Wooden Block	Rain
111385	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111727	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111775	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111948	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112001	Daily CSO Site Inspection	11/01/2019 11:00	31142	Wooden Block	Rain
112458	Daily CSO Default 3-4	11/08/2019 12:00	31294	Wooden Block	Rain
112770	Daily CSO Default 3-4	11/12/2019 12:00	31368	Wooden Block	Rain
113644	Daily CSO Site Inspection	11/24/2019 06:45	31699	Wooden Block	Rain
113680	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114188	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114378	Daily CSO Default 3-4	12/05/2019 10:00	31911	Wooden Block	Rain
114811	Daily CSO Default 3-4	12/10/2019 12:00	31969	Wooden Block	Rain
115093	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115037	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115237	Daily CSO Site Inspection	12/17/2019 12:00	32126	Wooden Block	Rain
116231	Daily CSO Site Inspection	12/30/2019 12:00	32383	Wooden Block	Rain
CSO-049 (FRONT & SCHUYLKILL)					
88575	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89061	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
90179	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90234	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91183	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92282	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93321	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94115	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94129	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97398	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97516	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98089	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98408	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98489	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98553	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
98978	Daily CSO Default 3-4	05/02/2019 12:00	25998	Wooden Block	Rain
98950	Daily CSO Default 3-4	05/03/2019 12:00	26033	Wooden Block	Rain
99028	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99134	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99076	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99531	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99547	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99612	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
100004	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100548	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100632	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100693	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100851	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101344	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101860	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
102016	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102463	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102539	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
102829	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103165	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103542	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103705	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103746	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104334	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104794	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105291	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105815	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105889	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106456	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106575	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106911	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107648	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107693	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
108514	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110303	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111009	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111420	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111698	Daily CSO Site Inspection	10/27/2019 12:00	31068	Wooden Block	Rain
111747	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111970	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112041	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113652	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
115125	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115207	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
115334	Daily CSO Default 3-4	12/18/2019 12:00	32155	Wooden Block	Rain
116212	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 050 (SENECA & SUSQUEHANNA)					
88593	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89070	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
90196	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90250	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91199	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92295	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93013	Daily CSO Default 3-4	03/05/2019 12:00	24525	Wooden Block	Rain
93336	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
93412	Daily CSO Default 3-4	03/11/2019 12:19	24628	Wooden Block	Rain
94098	Daily CSO Default 3-4	03/21/2019 12:00	25071	Wooden Block	Rain
94143	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97412	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97532	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98102	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98501	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98569	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
98979	Daily CSO Default 3-4	05/02/2019 12:00	25998	Wooden Block	Rain
99151	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99088	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99470	Daily CSO Default 3-4	05/11/2019 12:00	26386	Wooden Block	Rain
99519	Daily CSO Default 3-4	05/12/2019 12:00	26398	Wooden Block	Rain
99563	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99626	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99984	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100019	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100562	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100650	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100710	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100867	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
100966	Daily CSO Default 3-4	06/02/2019 12:00	26860	Wooden Block	Rain
101361	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101875	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
102025	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102554	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102845	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103177	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
103721	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103760	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104350	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104389	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104808	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105306	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105832	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105903	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106472	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106921	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
106988	Daily CSO Default 3-4	08/24/2019 08:30	29535	Wooden Block	Rain
107401	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107616	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107705	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
108377	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108527	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110207	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110312	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111025	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111435	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111693	Daily CSO Site Inspection	10/27/2019 12:00	31068	Wooden Block	Rain
111754	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111982	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112059	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113665	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
115137	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115223	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116228	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 051 (WOODBINE & GREEN)					
88592	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88849	Daily CSO Default 3-4	01/05/2019 09:00	23210	Wooden Block	Rain
88904	Daily CSO Default 3-4	01/06/2019 09:00	23236	Wooden Block	Rain
89069	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
89816	Daily CSO Default 3-4	01/20/2019 12:00	23501	Wooden Block	Rain
90194	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90249	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91197	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
91523	Daily CSO Default 3-4	02/13/2019 12:00	24088	Wooden Block	Rain
91710	Daily CSO Default 3-4	02/15/2019 12:00	24132	Wooden Block	Rain
91854	Daily CSO Default 3-4	02/17/2019 12:00	24179	Wooden Block	Rain
92294	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93335	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
93410	Daily CSO Default 3-4	03/11/2019 12:19	24628	Wooden Block	Rain
94101	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94142	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
94405	Daily CSO Default 3-4	03/26/2019 12:00	25177	Wooden Block	Rain
97041	Daily CSO Default 3-4	04/08/2019 12:00	25510	Wooden Block	Rain
97411	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97531	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98101	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98423	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98500	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98568	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
98784	Daily CSO Default 3-4	04/29/2019 12:00	25921	Wooden Block	Rain
99038	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99087	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99150	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99469	Daily CSO Default 3-4	05/11/2019 12:00	26386	Wooden Block	Rain
99518	Daily CSO Default 3-4	05/12/2019 12:00	26398	Wooden Block	Rain
99562	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99625	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
100018	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100273	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100561	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100649	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
100709	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100866	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101360	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101874	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101966	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102027	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102214	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102335	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102393	Daily CSO Default 3-4	06/19/2019 12:00	27335	Wooden Block	Rain
102790	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102553	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102844	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103176	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103552	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103720	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103759	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104349	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104388	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104807	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105174	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105475	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105831	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105902	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106471	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106590	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
107310	Daily CSO Site Inspection	08/23/2019 12:00	29477	Wooden Block	Rain
107639	Daily CSO Site Inspection	09/02/2019 12:00	29715	Wooden Block	Rain
107706	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107911	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108376	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108526	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
109557	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
110201	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110311	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111027	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111434	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111694	Daily CSO Site Inspection	10/27/2019 12:00	31068	Wooden Block	Rain
111752	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111985	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112050	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113667	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
113747	Daily CSO Default 3-4	11/25/2019 12:00	31702	Wooden Block	Rain
114227	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114768	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115071	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115136	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
116225	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 052 (FRONT & STATE)					
88579	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88844	Daily CSO Default 3-4	01/05/2019 09:00	23210	Wooden Block	Rain
88902	Daily CSO Default 3-4	01/06/2019 09:00	23236	Wooden Block	Rain
89052	Daily CSO Default 3-4	01/08/2019 12:00	23265	Wooden Block	Rain
89058	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
89813	Daily CSO Default 3-4	01/20/2019 12:00	23501	Wooden Block	Rain
90177	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90232	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91118	Daily CSO Default 3-4	02/07/2019 12:00	23959	Wooden Block	Rain
91181	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
91522	Daily CSO Default 3-4	02/13/2019 12:00	24088	Wooden Block	Rain
91708	Daily CSO Default 3-4	02/15/2019 12:00	24132	Wooden Block	Rain
91796	Daily CSO Default 3-4	02/16/2019 12:00	24170	Wooden Block	Rain
91853	Daily CSO Default 3-4	02/17/2019 12:00	24179	Wooden Block	Rain
91939	Daily CSO Default 3-4	02/18/2019 12:00	24181	Wooden Block	Rain
92277	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
92825	Daily CSO Default 3-4	03/02/2019 11:00	24474	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
93009	Daily CSO Default 3-4	03/05/2019 12:00	24525	Wooden Block	Rain
93319	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
93405	Daily CSO Default 3-4	03/11/2019 12:19	24628	Wooden Block	Rain
94116	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94128	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
94402	Daily CSO Default 3-4	03/26/2019 12:00	25177	Wooden Block	Rain
97397	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97515	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98085	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98406	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98487	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98552	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99135	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99094	Daily CSO Site Inspection	05/05/2019 12:00	26118	Active CSO	Rain
99465	Daily CSO Default 3-4	05/11/2019 12:00	26386	Wooden Block	Rain
99530	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99546	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99608	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99973	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100003	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100546	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100634	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100692	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100850	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
100961	Daily CSO Default 3-4	06/02/2019 12:00	26860	Wooden Block	Rain
101346	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101859	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101955	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102013	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102201	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102325	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102465	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102537	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102827	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103164	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103600	Daily CSO Default 3-4	07/06/2019 12:00	27685	Wooden Block	Rain
103704	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103744	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104330	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104368	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104795	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105164	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105295	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105458	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105814	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105886	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106455	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106574	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
107311	Daily CSO Site Inspection	08/23/2019 12:00	29477	Wooden Block	Rain
107387	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107690	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107921	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108357	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108512	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
109550	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
109937	Daily CSO Default 3-4	10/03/2019 12:00	30450	Wooden Block	Rain
110190	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110297	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111008	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111419	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111705	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111968	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112040	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113654	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
113746	Daily CSO Default 3-4	11/25/2019 12:00	31702	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
114786	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114407	Daily CSO Default 3-4	12/05/2019 10:00	31912	Wooden Block	Rain
114752	Daily CSO Default 3-4	12/09/2019 12:00	31956	Wooden Block	Rain
114760	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115062	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115124	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115208	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
115333	Daily CSO Default 3-4	12/18/2019 12:00	32155	Wooden Block	Rain
116211	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 054 (FRONT & SOUTH)					
88577	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88842	Daily CSO Default 3-4	01/05/2019 09:00	23210	Wooden Block	Rain
89060	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
90178	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
91178	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92280	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93318	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94117	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94123	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97396	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97514	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98082	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98409	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98488	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98550	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99133	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99077	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99529	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99545	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
100001	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100263	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100544	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100633	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100691	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100848	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101343	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
102462	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102536	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102826	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103161	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103540	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103595	Daily CSO Default 3-4	07/06/2019 12:00	27685	Wooden Block	Rain
103703	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103745	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104030	Daily CSO Default 3-4	07/12/2019 12:00	27823	Wooden Block	Rain
104332	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104793	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105162	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105459	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105813	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105885	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106454	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106573	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106909	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107386	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107689	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107899	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108359	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108511	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110295	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111418	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111704	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111745	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111966	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112043	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
113651	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
115061	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115123	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
CSO-054 (FRONT & PINE)					
88576	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89059	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
90176	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90233	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91179	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92409	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93007	Daily CSO Default 3-4	03/05/2019 12:00	24525	Wooden Block	Rain
93320	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94118	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94126	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97395	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97513	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98087	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98411	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98485	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98551	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
98668	Daily CSO Default 3-4	04/29/2019 12:00	25921	Wooden Block	Rain
99075	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99136	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99528	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99544	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99611	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99972	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100002	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100545	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100627	Daily CSO Site Inspection	05/29/2019 12:00	26750	Active CSO	Rain
100694	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100849	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101342	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101856	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
102323	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102461	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102535	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102828	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103162	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103541	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103702	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103743	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104328	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104369	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104791	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105160	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105292	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105457	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105835	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105888	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106449	Daily CSO Site Inspection	08/17/2019 12:00	29325	Wooden Block	Rain
106572	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106908	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107383	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107688	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107897	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108360	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108510	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110189	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110296	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111004	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111417	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111703	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111746	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111967	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
112039	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113650	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114224	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
114759	Daily CSO Default 3-4	12/10/2019 12:00	31970	Wooden Block	Rain
115122	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
116210	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 055 (FRONT & LOCUST)					
88574	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
89057	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
90173	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90231	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91177	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
91707	Daily CSO Default 3-4	02/15/2019 12:00	24132	Wooden Block	Rain
92278	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
93317	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94119	Daily CSO Site Inspection	03/21/2019 12:00	25071	Wooden Block	Rain
94127	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97393	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97512	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98086	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98410	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98486	Daily CSO Default 3-4	04/26/2019 12:00	25877	Wooden Block	Rain
98549	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99074	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99132	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99527	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99543	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99609	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99971	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
100000	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100262	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100543	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100631	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100689	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100845	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101341	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101857	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101958	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102014	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102204	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102324	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102391	Daily CSO Default 3-4	06/19/2019 12:00	27335	Wooden Block	Rain
102460	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102534	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102825	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103160	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103538	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103596	Daily CSO Default 3-4	07/06/2019 12:00	27685	Wooden Block	Rain
103701	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103742	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104329	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104373	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104790	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105163	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105290	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105454	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105812	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105887	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106453	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106571	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106906	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107388	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107686	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107898	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108509	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
110188	Daily CSO Default 3-4	10/07/2019 12:17	30582	Wooden Block	Rain
110293	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111007	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111322	Daily CSO Default 3-4	10/22/2019 12:00	31055	Wooden Block	Rain
111416	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111701	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111744	Daily CSO Default 3-4	10/28/2019 13:00	31090	Wooden Block	Rain
111964	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112038	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113649	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114219	Daily CSO Default 3-4	12/02/2019 12:00	31816	Wooden Block	Rain
115121	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115206	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116209	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 056 (FRONT & WALNUT)					
88572	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
88843	Daily CSO Default 3-4	01/05/2019 09:00	23210	Wooden Block	Rain
89056	Daily CSO Default 3-4	01/09/2019 11:00	23283	Wooden Block	Rain
90175	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90230	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91180	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
92281	Daily CSO Default 3-4	02/24/2019 10:30	24333	Wooden Block	Rain
92853	Daily CSO Default 3-4	03/02/2019 11:00	24474	Wooden Block	Rain
93008	Daily CSO Default 3-4	03/05/2019 12:00	24525	Wooden Block	Rain
93315	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
94120	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94125	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97039	Daily CSO Default 3-4	04/08/2019 12:00	25510	Wooden Block	Rain
97392	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97510	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98084	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98407	Daily CSO Default 3-4	04/24/2019 12:00	25830	Wooden Block	Rain
98548	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99073	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99131	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99526	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99542	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99607	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99998	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100261	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100547	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100630	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100690	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
100846	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101340	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101789	Daily CSO Default 3-4	06/10/2019 12:00	27033	Wooden Block	Rain
101858	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
102018	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102205	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102322	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102533	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102824	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103159	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103539	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103700	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103741	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104032	Daily CSO Default 3-4	07/12/2019 12:00	27823	Wooden Block	Rain
104331	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104371	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
104792	Daily CSO Default 3-4	07/23/2019 12:00	28047	Wooden Block	Rain
105159	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105293	Daily CSO Default 3-4	07/31/2019 12:00	28263	Wooden Block	Rain
105455	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105811	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105884	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
106452	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106570	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain
106907	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107384	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107685	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107895	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108358	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108507	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
109552	Daily CSO Default 3-4	09/29/2019 12:00	30273	Wooden Block	Rain
109936	Daily CSO Default 3-4	10/03/2019 12:00	30450	Wooden Block	Rain
110294	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111005	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111415	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111700	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
112035	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113648	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114405	Daily CSO Default 3-4	12/05/2019 10:00	31912	Wooden Block	Rain
115120	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115211	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116208	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 057 (CHERRY & MULBERRY)					
88573	Daily CSO Default 3-4	01/01/2019 12:00	23148	Wooden Block	Rain
90174	Daily CSO Site Inspection	01/24/2019 12:00	23547	Active CSO	Rain
90229	Daily CSO Default 3-4	01/25/2019 12:00	23587	Wooden Block	Rain
91182	Daily CSO Default 3-4	02/08/2019 12:00	24005	Wooden Block	Rain
93316	Daily CSO Default 3-4	03/10/2019 12:00	24615	Wooden Block	Rain
93404	Daily CSO Default 3-4	03/11/2019 12:19	24628	Wooden Block	Rain
94121	Daily CSO Site Inspection	03/21/2019 12:00	25071	Active CSO	Rain
94124	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97394	Daily CSO Default 3-4	04/13/2019 12:00	25625	Wooden Block	Rain
97511	Daily CSO Default 3-4	04/15/2019 10:00	25633	Wooden Block	Rain
98083	Daily CSO Default 3-4	04/20/2019 11:30	25772	Wooden Block	Rain
98547	Daily CSO Default 3-4	04/27/2019 09:07	25906	Wooden Block	Rain
99030	Daily CSO Default 3-4	05/04/2019 12:00	26113	Wooden Block	Rain
99072	Daily CSO Default 3-4	05/05/2019 12:00	26118	Wooden Block	Rain
99130	Daily CSO Default 3-4	05/05/2019 12:00	26204	Wooden Block	Rain
99525	Daily CSO Site Inspection	05/12/2019 12:00	26398	Active CSO	Rain
99541	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99610	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99970	Daily CSO Default 3-4	05/19/2019 12:00	26588	Wooden Block	Rain
99999	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100260	Daily CSO Default 3-4	05/24/2019 12:00	26695	Wooden Block	Rain
100542	Daily CSO Default 3-4	05/28/2019 12:00	26729	Wooden Block	Rain
100688	Daily CSO Default 3-4	05/30/2019 12:00	26782	Wooden Block	Rain
101339	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
101790	Daily CSO Default 3-4	06/10/2019 12:00	27033	Wooden Block	Rain
101855	Daily CSO Default 3-4	06/11/2019 12:00	27057	Wooden Block	Rain
101959	Daily CSO Default 3-4	06/13/2019 12:00	27168	Wooden Block	Rain
102015	Daily CSO Default 3-4	06/14/2019 12:00	27213	Wooden Block	Rain
102200	Daily CSO Default 3-4	06/17/2019 12:00	27271	Wooden Block	Rain
102321	Daily CSO Default 3-4	06/18/2019 12:00	27300	Wooden Block	Rain
102532	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
102823	Daily CSO Default 3-4	06/25/2019 12:00	27492	Wooden Block	Rain
103163	Daily CSO Default 3-4	06/30/2019 07:30	27575	Wooden Block	Rain
103537	Daily CSO Default 3-4	07/05/2019 12:00	27671	Wooden Block	Rain
103699	Daily CSO Default 3-4	07/07/2019 12:00	27695	Wooden Block	Rain
103740	Daily CSO Default 3-4	07/08/2019 12:00	27729	Wooden Block	Rain
104333	Daily CSO Default 3-4	07/17/2019 12:00	27924	Wooden Block	Rain
104370	Daily CSO Default 3-4	07/18/2019 09:30	27944	Wooden Block	Rain
105161	Daily CSO Default 3-4	07/29/2019 11:00	28159	Wooden Block	Rain
105456	Daily CSO Default 3-4	08/02/2019 12:00	28328	Wooden Block	Rain
105810	Daily CSO Default 3-4	08/07/2019 12:00	28449	Wooden Block	Rain
105883	Daily CSO Default 3-4	08/08/2019 10:00	28483	Wooden Block	Rain
106451	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
106569	Daily CSO Default 3-4	08/19/2019 12:00	29337	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
106905	Daily CSO Default 3-4	08/23/2019 12:00	29477	Wooden Block	Rain
107385	Daily CSO Default 3-4	08/29/2019 12:00	29637	Wooden Block	Rain
107687	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107896	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108356	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
108508	Daily CSO Default 3-4	09/13/2019 12:00	29930	Wooden Block	Rain
110292	Daily CSO Default 3-4	10/08/2019 12:00	30598	Wooden Block	Rain
111006	Daily CSO Default 3-4	10/17/2019 12:00	31042	Wooden Block	Rain
111414	Daily CSO Default 3-4	10/23/2019 12:00	31057	Wooden Block	Rain
111699	Daily CSO Default 3-4	10/27/2019 12:00	31068	Wooden Block	Rain
111965	Daily CSO Default 3-4	10/31/2019 12:00	31123	Wooden Block	Rain
112037	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113647	Daily CSO Default 3-4	11/24/2019 12:00	31698	Wooden Block	Rain
114406	Daily CSO Default 3-4	12/05/2019 10:00	31912	Wooden Block	Rain
114751	Daily CSO Default 3-4	12/09/2019 12:00	31956	Wooden Block	Rain
115060	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
115119	Daily CSO Default 3-4	12/15/2019 10:00	32110	Wooden Block	Rain
115213	Daily CSO Default 3-4	12/17/2019 12:00	32125	Wooden Block	Rain
116207	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 058 (FRONT & TIPICAROIA)					
89832	Daily CSO Default 7 Inflow	01/20/2019 12:00	23501	Wooden Block	Inflow from Creek/River
91273	Daily CSO Default 7 Inflow	02/10/2019 07:45	24030	Wooden Block	Inflow from Creek/River
94122	Daily CSO Default 3-4	03/22/2019 08:00	25108	Wooden Block	Rain
97769	Daily CSO Default 7 Inflow	04/17/2019 12:00	25689	Wooden Block	Inflow from Creek/River
99523	Daily CSO Default 7 Inflow	05/12/2019 12:00	26398	Wooden Block	Inflow from Creek/River
99540	Daily CSO Default 3-4	05/13/2019 12:00	26407	Wooden Block	Rain
99602	Daily CSO Default 3-4	05/14/2019 13:30	26422	Wooden Block	Rain
99997	Daily CSO Default 3-4	05/20/2019 12:00	26600	Wooden Block	Rain
100629	Daily CSO Default 3-4	05/29/2019 12:00	26750	Wooden Block	Rain
100847	Daily CSO Default 3-4	05/31/2019 12:00	26797	Wooden Block	Rain
101338	Daily CSO Default 3-4	06/03/2019 12:00	26871	Wooden Block	Rain
102464	Daily CSO Default 3-4	06/20/2019 12:00	27399	Wooden Block	Rain
102531	Daily CSO Default 3-4	06/21/2019 12:00	27422	Wooden Block	Rain
106450	Daily CSO Default 3-4	08/17/2019 12:00	29325	Wooden Block	Rain
107683	Daily CSO Default 3-4	09/03/2019 12:00	29720	Wooden Block	Rain
107894	Daily CSO Default 3-4	09/05/2019 09:30	29745	Wooden Block	Rain
108355	Daily CSO Default 3-4	09/12/2019 12:00	29890	Wooden Block	Rain
109698	Daily CSO Site Inspection	09/30/2019 12:00	30281	Wooden Block	Rain
112036	Daily CSO Default 3-4	11/01/2019 12:00	31143	Wooden Block	Rain
113673	Daily CSO Site Inspection	11/25/2019 07:07	31698	Wooden Block	Rain
115059	Daily CSO Default 3-4	12/14/2019 10:00	32083	Wooden Block	Rain
116206	Daily CSO Default 3-4	12/30/2019 12:00	32382	Wooden Block	Rain
CSO 059 (E. KITATINNY & CAMERON)					
88562	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
89126	Daily CSO Default 3-4	01/09/2019 12:00	23281	Wooden Block	Rain
89863	Daily CSO Site Inspection	01/20/2019 12:00	23502	Active CSO	Rain
90112	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
90213	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91091	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91158	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
91910	Daily CSO Default 3-4	02/18/2019 12:00	24180	Wooden Block	Rain
92191	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
93436	Daily CSO Site Inspection	03/10/2019 12:00	24614	Active CSO	Rain
94213	Daily CSO Default 3-4	03/23/2019 12:00	25131	Wooden Block	Rain
94394	Daily CSO Default 3-4	03/26/2019 12:00	25178	Wooden Block	Rain
97008	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97428	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97552	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98383	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98542	Daily CSO Site Inspection	04/26/2019 10:00	25876	Active CSO	Rain
98582	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98692	Daily CSO Default 3-4	04/29/2019 12:00	25922	Wooden Block	Rain
98997	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99069	Daily CSO Site Inspection	05/05/2019 12:00	26117	Active CSO	Rain
99113	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
99431	Daily CSO Default 3-4	05/11/2019 12:00	26385	Wooden Block	Rain
99503	Daily CSO Site Inspection	05/12/2019 12:00	26397	Active CSO	Rain
99586	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99642	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
99956	Daily CSO Default 3-4	05/19/2019 12:00	26587	Wooden Block	Rain
100040	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100296	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100668	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
101007	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101831	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
102046	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102233	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102269	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102439	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102508	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102799	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103196	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103529	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103635	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103734	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103780	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103924	Daily CSO Default 3-4	07/11/2019 12:00	27789	Wooden Block	Rain
104309	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104403	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104819	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105190	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105493	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105790	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105858	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106487	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106608	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106950	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106968	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107422	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107661	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107876	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108487	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108544	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109600	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
109986	Daily CSO Default 3-4	10/03/2019 12:00	30451	Wooden Block	Rain
110217	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110277	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111399	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111721	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111950	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112008	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113623	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113682	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
115047	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115096	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115243	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116196	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116263	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CS0 059 (SALMON STREET)					
90211	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91678	Daily CSO Default 3-4	02/15/2019 12:00	24130	Wooden Block	Rain
94152	Daily CSO Default 3-4	03/22/2019 12:00	25106	Wooden Block	Rain
97424	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97548	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98120	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98378	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98576	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99056	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99583	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
100290	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
100609	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100815	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
102432	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102504	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
103191	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103629	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103690	Daily CSO Default 3-4	07/08/2019 12:00	27728	Wooden Block	Rain
104305	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
105488	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105785	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105854	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106481	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106602	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
107416	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107655	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107872	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108481	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108538	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
111045	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111384	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111728	Daily CSO Default 3-4	10/27/2019 12:00	31069	Wooden Block	Rain
111774	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111946	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112004	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113620	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113679	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114186	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
115092	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
116176	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 061 (10th & SYCAMORE)					
88558	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
89859	Daily CSO Default 3-4	01/20/2019 12:00	23502	Wooden Block	Rain
90108	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
90210	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91088	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91154	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
91909	Daily CSO Default 3-4	02/18/2019 12:00	24180	Wooden Block	Rain
92188	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain
92321	Daily CSO Default 3-4	02/24/2019 10:00	24338	Wooden Block	Rain
92794	Daily CSO Default 3-4	03/02/2019 09:00	24473	Wooden Block	Rain
93383	Daily CSO Default 3-4	03/10/2019 12:00	24614	Wooden Block	Rain
93372	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94151	Daily CSO Default 3-4	03/22/2019 12:00	25106	Wooden Block	Rain
97005	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97422	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97546	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98377	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98529	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98574	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98993	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99064	Daily CSO Site Inspection	05/05/2019 12:00	26117	Active CSO	Rain
99108	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99478	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
99582	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
100037	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100291	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100509	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100611	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100658	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100816	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
100932	Daily CSO Default 3-4	06/02/2019 12:00	26861	Wooden Block	Rain
101003	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101826	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
101988	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain
102044	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
102434	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102505	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102797	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103189	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103567	Daily CSO Default 3-4	07/06/2019 12:00	27683	Wooden Block	Rain
103628	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103728	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103774	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103961	Daily CSO Default 3-4	07/12/2019 09:30	27824	Wooden Block	Rain
104304	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104396	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104823	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105490	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105786	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105853	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106480	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106599	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106948	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106964	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107653	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107871	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108480	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108537	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109598	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
110219	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
111043	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111383	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111732	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111773	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111945	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112005	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113643	Daily CSO Site Inspection	11/24/2019 06:41	31699	Wooden Block	Rain
113676	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114187	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
114377	Daily CSO Default 3-4	12/05/2019 10:00	31911	Wooden Block	Rain
114810	Daily CSO Default 3-4	12/10/2019 12:00	31969	Wooden Block	Rain
115091	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115036	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115242	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
115328	Daily CSO Default 3-4	12/18/2019 12:00	32156	Wooden Block	Rain
116174	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116348	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CSO 002 (SHANDS STREET)					
88557	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
90208	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91155	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
91676	Daily CSO Default 3-4	02/15/2019 12:00	24130	Wooden Block	Rain
93384	Daily CSO Default 3-4	03/10/2019 12:00	24614	Wooden Block	Rain
93962	Daily CSO Site Inspection	03/18/2019 12:00	24956	Dry Weather Overflow	Flushing line on Cameron St.
94150	Daily CSO Default 3-4	03/22/2019 12:00	25106	Wooden Block	Rain
94391	Daily CSO Default 3-4	03/26/2019 12:00	25178	Wooden Block	Rain
97004	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97421	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97544	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98117	Daily CSO Default 3-4	04/20/2019 08:30	25773	Wooden Block	Rain
98374	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98527	Daily CSO Default 3-4	04/26/2019 10:00	25876	Wooden Block	Rain
98575	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98992	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99053	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99107	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99477	Daily CSO Default 3-4	05/12/2019 12:00	26397	Wooden Block	Rain
99581	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99644	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
100036	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
100288	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100503	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100608	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100659	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100818	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
100999	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101825	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
101986	Daily CSO Default 3-4	06/13/2019 12:00	27165	Wooden Block	Rain
102045	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102231	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102261	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102431	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102502	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102795	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103187	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103527	Daily CSO Default 3-4	07/05/2019 12:00	27673	Wooden Block	Rain
103566	Daily CSO Default 3-4	07/06/2019 12:00	27683	Wooden Block	Rain
103627	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103727	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103773	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103956	Daily CSO Default 3-4	07/12/2019 09:30	27824	Wooden Block	Rain
104302	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104398	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104821	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105189	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105485	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105784	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105852	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106479	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106601	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106947	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106963	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107415	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107652	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107870	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108479	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108536	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109597	Daily CSO Default 3-4	09/29/2019 12:00	30274	Wooden Block	Rain
109990	Daily CSO Default 3-4	10/03/2019 12:00	30451	Wooden Block	Rain
110214	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110275	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111044	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111382	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111731	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111772	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111942	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112003	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113619	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113678	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114184	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain
115034	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115090	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115240	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116175	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
CSO 063 (CAMERON & HANOVER)					
88559	Daily CSO Default 3-4	01/01/2019 12:00	23147	Wooden Block	Rain
89124	Daily CSO Default 3-4	01/09/2019 12:00	23281	Wooden Block	Rain
89860	Daily CSO Default 3-4	01/20/2019 12:00	23502	Wooden Block	Rain
90106	Daily CSO Site Inspection	01/24/2019 12:00	23548	Active CSO	Rain
90209	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91087	Daily CSO Default 3-4	02/07/2019 10:00	23957	Wooden Block	Rain
91152	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
91677	Daily CSO Default 3-4	02/15/2019 12:00	24130	Wooden Block	Rain
91822	Daily CSO Default 3-4	02/17/2019 12:00	24178	Wooden Block	Rain
92186	Daily CSO Default 3-4	02/22/2019 10:00	24299	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
92323	Daily CSO Default 3-4	02/24/2019 10:00	24338	Wooden Block	Rain
93382	Daily CSO Default 3-4	03/10/2019 12:00	24614	Wooden Block	Rain
93371	Daily CSO Default 3-4	03/11/2019 12:00	24632	Wooden Block	Rain
94094	Daily CSO Default 3-4	03/21/2019 12:00	25070	Wooden Block	Rain
94148	Daily CSO Default 3-4	03/22/2019 12:00	25106	Wooden Block	Rain
97003	Daily CSO Default 3-4	04/08/2019 12:00	25509	Wooden Block	Rain
97419	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97545	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
97739	Daily CSO Default 3-4	04/17/2019 12:00	25685	Wooden Block	Rain
98376	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98544	Daily CSO Site Inspection	04/26/2019 10:00	25876	Active CSO	Rain
98572	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
98991	Daily CSO Default 3-4	05/04/2019 12:00	26112	Wooden Block	Rain
99065	Daily CSO Site Inspection	05/05/2019 12:00	26117	Active CSO	Rain
99106	Daily CSO Default 3-4	05/05/2019 12:00	26202	Wooden Block	Rain
99580	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99643	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
100034	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100289	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100508	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100607	Daily CSO Default 3-4	05/30/2019 10:00	26749	Wooden Block	Rain
100657	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100814	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
100931	Daily CSO Default 3-4	06/02/2019 12:00	26861	Wooden Block	Rain
101001	Daily CSO Default 3-4	06/03/2019 12:00	26870	Wooden Block	Rain
101824	Daily CSO Default 3-4	06/11/2019 12:00	27059	Wooden Block	Rain
102043	Daily CSO Default 3-4	06/14/2019 12:00	27219	Wooden Block	Rain
102227	Daily CSO Default 3-4	06/17/2019 12:00	27272	Wooden Block	Rain
102262	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102430	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102501	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102793	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103188	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103564	Daily CSO Default 3-4	07/06/2019 12:00	27683	Wooden Block	Rain
103626	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103725	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103772	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103957	Daily CSO Default 3-4	07/12/2019 09:30	27824	Wooden Block	Rain
104303	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104397	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
104820	Daily CSO Default 3-4	07/23/2019 12:00	28048	Wooden Block	Rain
105188	Daily CSO Default 3-4	07/29/2019 09:00	28160	Wooden Block	Rain
105487	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105782	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105851	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106478	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106595	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
106946	Daily CSO Default 3-4	08/23/2019 12:00	29478	Wooden Block	Rain
106962	Daily CSO Default 3-4	08/24/2019 12:00	29537	Wooden Block	Rain
107414	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107654	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107869	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108478	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108535	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
109985	Daily CSO Default 3-4	10/03/2019 12:00	30451	Wooden Block	Rain
110215	Daily CSO Default 3-4	10/07/2019 12:25	30583	Wooden Block	Rain
110271	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111041	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111407	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111730	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111944	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112017	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113618	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
113677	Daily CSO Default 3-4	11/25/2019 10:00	31701	Wooden Block	Rain
114185	Daily CSO Default 3-4	12/02/2019 12:00	31815	Wooden Block	Rain

Inspection Id	Inspection Type	Date Inspected	Work Order #	Comments	Cause
115088	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
115035	Daily CSO Default 3-4	12/14/2019 08:00	32082	Wooden Block	Rain
115239	Daily CSO Default 3-4	12/17/2019 12:00	32126	Wooden Block	Rain
116173	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain
116259	Daily CSO Default 3-4	12/31/2019 12:00	32396	Wooden Block	Rain
CSO 054 (CAMERON & MAGNOLIA)					
90207	Daily CSO Default 3-4	01/25/2019 12:00	23569	Wooden Block	Rain
91153	Daily CSO Default 3-4	02/08/2019 10:00	24003	Wooden Block	Rain
94149	Daily CSO Default 3-4	03/22/2019 12:00	25106	Wooden Block	Rain
97420	Daily CSO Default 3-4	04/13/2019 12:00	25626	Wooden Block	Rain
97547	Daily CSO Default 3-4	04/15/2019 12:00	25634	Wooden Block	Rain
98375	Daily CSO Default 3-4	04/24/2019 12:00	25832	Wooden Block	Rain
98573	Daily CSO Default 3-4	04/27/2019 09:10	25916	Wooden Block	Rain
99052	Daily CSO Default 3-4	05/05/2019 12:00	26117	Wooden Block	Rain
99579	Daily CSO Default 3-4	05/13/2019 12:00	26401	Wooden Block	Rain
99641	Daily CSO Default 3-4	05/14/2019 10:30	26449	Wooden Block	Rain
100035	Daily CSO Default 3-4	05/20/2019 12:00	26599	Wooden Block	Rain
100293	Daily CSO Default 3-4	05/24/2019 12:00	26696	Wooden Block	Rain
100507	Daily CSO Default 3-4	05/28/2019 10:00	26728	Wooden Block	Rain
100606	Daily CSO Default 3-4	05/29/2019 10:00	26749	Wooden Block	Rain
100656	Daily CSO Default 3-4	05/30/2019 12:00	26781	Wooden Block	Rain
100819	Daily CSO Default 3-4	05/31/2019 12:00	26794	Wooden Block	Rain
100930	Daily CSO Default 3-4	06/02/2019 12:00	26861	Wooden Block	Rain
102266	Daily CSO Default 3-4	06/18/2019 12:00	27301	Wooden Block	Rain
102429	Daily CSO Default 3-4	06/20/2019 12:00	27395	Wooden Block	Rain
102500	Daily CSO Default 3-4	06/21/2019 12:00	27421	Wooden Block	Rain
102792	Daily CSO Default 3-4	06/25/2019 12:00	27489	Wooden Block	Rain
103186	Daily CSO Default 3-4	06/30/2019 12:00	27576	Wooden Block	Rain
103565	Daily CSO Default 3-4	07/06/2019 12:00	27683	Wooden Block	Rain
103625	Daily CSO Default 3-4	07/07/2019 12:00	27694	Wooden Block	Rain
103726	Daily CSO Site Inspection	07/08/2019 12:00	27728	Wooden Block	Rain
103771	Daily CSO Default 3-4	07/09/2019 12:00	27731	Wooden Block	Rain
103958	Daily CSO Default 3-4	07/12/2019 09:30	27824	Wooden Block	Rain
104307	Daily CSO Default 3-4	07/17/2019 12:00	27925	Wooden Block	Rain
104399	Daily CSO Default 3-4	07/18/2019 12:00	27942	Wooden Block	Rain
105486	Daily CSO Default 3-4	08/02/2019 12:00	28330	Wooden Block	Rain
105783	Daily CSO Default 3-4	08/07/2019 12:00	28448	Wooden Block	Rain
105850	Daily CSO Default 3-4	08/08/2019 12:00	28477	Wooden Block	Rain
106477	Daily CSO Default 3-4	08/17/2019 12:00	29324	Wooden Block	Rain
106600	Daily CSO Default 3-4	08/19/2019 11:30	29336	Wooden Block	Rain
107413	Daily CSO Default 3-4	08/29/2019 12:00	29635	Wooden Block	Rain
107656	Daily CSO Default 3-4	09/03/2019 12:00	29719	Wooden Block	Rain
107868	Daily CSO Default 3-4	09/05/2019 12:00	29744	Wooden Block	Rain
108477	Daily CSO Default 3-4	09/12/2019 12:00	29948	Wooden Block	Rain
108534	Daily CSO Default 3-4	09/13/2019 12:00	29949	Wooden Block	Rain
110270	Daily CSO Default 3-4	10/08/2019 12:00	30599	Wooden Block	Rain
111042	Daily CSO Default 3-4	10/17/2019 12:00	31041	Wooden Block	Rain
111381	Daily CSO Default 3-4	10/23/2019 12:00	31058	Wooden Block	Rain
111729	Daily CSO Site Inspection	10/27/2019 12:00	31069	Wooden Block	Rain
111771	Daily CSO Default 3-4	10/28/2019 11:00	31092	Wooden Block	Rain
111943	Daily CSO Default 3-4	10/31/2019 10:00	31122	Wooden Block	Rain
112002	Daily CSO Default 3-4	11/01/2019 11:00	31142	Wooden Block	Rain
113617	Daily CSO Default 3-4	11/24/2019 12:00	31699	Wooden Block	Rain
114809	Daily CSO Default 3-4	12/10/2019 12:00	31969	Wooden Block	Rain
115089	Daily CSO Default 3-4	12/14/2019 08:00	32109	Wooden Block	Rain
116172	Daily CSO Default 3-4	12/30/2019 12:00	32383	Wooden Block	Rain

APPENDIX K-3B

H&H MODEL SIMULATION
COMBINED SEWER OVERFLOW REPORT

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
CSO-04					*11,535,383*
1/4/19 22:20	1/5/19 0:20	0.38	4.3	2.0	60,140
1/8/19 20:30	1/8/19 21:00	0.18	3.0	0.5	11,463
1/19/19 19:40	1/20/19 6:50	1.31	12.6	11.2	448,492
1/24/19 2:30	1/24/19 14:10	1.31	13.9	11.7	444,163
2/7/19 22:50	2/8/19 4:20	0.67	8.0	5.2	175,023
2/12/19 9:30	2/12/19 13:40	0.65	13.3	4.2	56,347
2/20/19 10:20	2/20/19 14:00	0.79	10.3	3.7	169,824
2/24/19 4:30	2/24/19 6:00	0.42	6.3	1.5	66,793
3/1/19 2:10	3/1/19 3:20	0.28	4.2	1.2	39,381
3/2/19 2:00	3/2/19 3:20	0.26	3.4	1.3	38,826
3/3/19 18:10	3/3/19 22:20	0.56	7.3	4.2	133,040
3/10/19 0:50	3/10/19 5:30	0.84	6.7	4.7	258,197
3/21/19 8:00	3/22/19 3:00	2.48	19.8	19.0	902,163
3/25/19 15:50	3/25/19 16:20	0.21	4.1	0.5	12,032
4/12/19 18:40	4/13/19 1:30	1.39	8.9	6.8	473,967
4/14/19 18:10	4/15/19 3:00	1.13	5.5	6.3	374,874
4/19/19 15:00	4/19/19 22:20	0.83	5.3	4.3	264,126
4/26/19 7:20	4/26/19 16:00	0.51	6.8	4.0	77,815
5/3/19 21:10	5/3/19 22:10	0.29	4.2	1.0	30,562
5/4/19 20:30	5/5/19 18:30	1.09	17.8	12.7	207,044
5/10/19 14:20	5/10/19 19:40	0.26	1.4	1.3	26,671
5/12/19 1:00	5/12/19 14:20	1.61	14.2	13.2	499,626
5/13/19 9:40	5/13/19 14:00	0.67	5.7	4.3	196,094
5/19/19 19:30	5/20/19 0:40	1.19	4.4	4.7	404,303
5/28/19 22:40	5/29/19 4:40	0.54	6.3	3.3	99,490
5/29/19 16:40	5/29/19 18:00	0.36	2.2	1.3	89,813
5/30/19 14:40	5/30/19 15:30	0.23	1.4	0.8	37,192
6/1/19 20:50	6/1/19 22:50	0.36	3.8	2.0	76,696
6/2/19 17:40	6/2/19 18:20	0.22	0.8	0.7	31,972
6/10/19 23:30	6/11/19 0:10	0.28	3.9	0.7	21,765
6/13/19 3:00	6/13/19 12:40	0.57	8.0	5.0	86,669
6/18/19 2:40	6/18/19 4:30	0.27	2.2	1.8	51,924
6/20/19 0:50	6/20/19 2:20	0.36	1.3	1.5	95,358
6/20/19 11:20	6/20/19 12:20	0.42	3.4	1.0	70,625
6/25/19 1:10	6/25/19 4:40	0.42	3.0	3.5	100,118
7/6/19 17:10	7/6/19 19:40	1.41	2.9	2.5	563,092
7/7/19 21:10	7/8/19 7:40	1.23	7.6	6.7	441,656
7/16/19 16:50	7/16/19 18:30	0.48	2.9	1.7	142,433
7/17/19 17:10	7/17/19 21:30	0.27	3.1	1.2	14,544
7/22/19 18:20	7/22/19 19:40	0.49	5.0	1.3	87,547
8/6/19 13:30	8/6/19 15:00	0.70	1.4	1.5	246,484
8/7/19 13:10	8/7/19 14:00	0.26	0.9	0.8	51,596
8/16/19 13:40	8/16/19 15:30	0.71	1.8	1.8	249,851
8/23/19 8:10	8/23/19 8:50	0.34	6.9	0.7	20,973
9/2/19 5:10	9/2/19 6:50	0.83	1.6	1.7	315,876
9/12/19 2:00	9/12/19 2:10	0.17	2.4	0.2	3,267
9/12/19 16:40	9/13/19 1:00	0.31	2.7	2.2	41,034
10/7/19 15:30	10/7/19 21:00	0.75	12.3	5.5	163,715
10/16/19 11:30	10/16/19 16:30	1.08	6.3	5.0	398,139
10/22/19 14:20	10/22/19 17:10	0.58	4.3	2.8	173,385
10/27/19 5:00	10/27/19 9:30	1.21	7.0	4.5	436,876
10/30/19 19:50	10/31/19 22:20	3.03	15.5	15.0	1,487,402

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
11/7/19 15:50	11/7/19 17:10	0.38	7.1	1.3	26,616
11/23/19 19:00	11/24/19 4:10	0.91	11.4	7.0	204,992
12/1/19 11:20	12/1/19 11:30	0.43	7.4	0.2	3,565
12/9/19 13:50	12/9/19 16:10	0.43	7.8	2.3	72,513
12/14/19 0:50	12/14/19 14:00	0.61	7.3	5.7	152,129
12/16/19 22:40	12/17/19 1:00	0.51	10.3	2.3	73,420
12/30/19 6:50	12/30/19 7:40	0.24	0.0	0.8	31,696
CSO-05					*16,397,872*
1/4/19 22:30	1/5/19 0:20	0.38	4.8	1.8	58,038
1/19/19 20:00	1/20/19 6:50	1.32	12.7	10.8	619,592
1/24/19 2:50	1/24/19 14:10	1.32	14.3	10.3	588,774
2/7/19 23:00	2/8/19 2:30	0.67	8.0	3.5	215,783
2/12/19 11:00	2/12/19 11:30	0.65	14.4	0.5	11,577
2/20/19 10:40	2/20/19 14:00	0.79	10.5	3.3	230,978
2/24/19 4:40	2/24/19 6:00	0.42	6.7	1.3	83,118
3/1/19 2:20	3/1/19 3:20	0.28	4.3	1.0	41,835
3/2/19 2:10	3/2/19 3:20	0.26	3.5	1.2	41,203
3/3/19 18:30	3/3/19 22:20	0.57	7.5	3.8	157,115
3/10/19 0:50	3/10/19 5:40	0.85	6.8	4.8	384,410
3/21/19 8:10	3/22/19 3:00	2.48	20.3	18.8	1,278,122
3/25/19 16:10	3/25/19 16:20	0.21	4.3	0.2	3,847
4/12/19 18:50	4/13/19 1:40	1.37	9.2	6.5	686,467
4/14/19 20:00	4/15/19 3:10	1.14	5.6	4.7	541,351
4/19/19 15:10	4/19/19 22:30	0.85	5.3	3.5	385,156
4/26/19 7:50	4/26/19 16:00	0.51	7.2	2.3	66,688
5/3/19 21:20	5/3/19 22:10	0.29	4.3	0.8	30,172
5/5/19 1:20	5/5/19 18:30	1.10	18.0	4.5	183,021
5/10/19 19:10	5/10/19 19:40	0.26	1.4	0.5	21,113
5/12/19 2:30	5/12/19 14:20	1.61	15.0	9.3	666,536
5/13/19 9:50	5/13/19 14:10	0.68	5.7	4.3	275,175
5/19/19 19:30	5/20/19 0:50	1.20	4.4	4.5	625,578
5/28/19 23:00	5/29/19 0:50	0.54	6.5	1.8	108,206
5/29/19 16:40	5/29/19 18:00	0.37	2.2	1.3	130,722
5/30/19 14:40	5/30/19 15:30	0.23	1.6	0.8	43,639
6/1/19 21:00	6/1/19 22:50	0.36	3.9	1.8	90,731
6/2/19 17:40	6/2/19 18:20	0.25	0.8	0.7	48,871
6/10/19 23:30	6/11/19 0:10	0.29	4.5	0.7	24,217
6/13/19 3:20	6/13/19 12:40	0.56	8.3	2.8	59,031
6/18/19 3:10	6/18/19 4:30	0.27	2.3	1.3	46,264
6/20/19 0:50	6/20/19 2:30	0.38	1.6	1.7	149,603
6/20/19 11:20	6/20/19 12:20	0.43	3.5	1.0	97,515
6/25/19 1:20	6/25/19 4:30	0.42	3.0	2.3	107,949
7/6/19 17:10	7/6/19 19:50	1.43	3.0	2.7	925,193
7/7/19 21:10	7/8/19 7:40	1.38	7.9	5.5	802,659
7/16/19 16:50	7/16/19 18:40	0.47	3.0	1.8	197,963
7/22/19 18:20	7/22/19 19:40	0.49	5.4	1.3	120,053
8/6/19 13:30	8/6/19 15:10	0.75	1.4	1.7	408,774
8/7/19 13:10	8/7/19 14:00	0.25	0.9	0.8	55,115
8/16/19 13:40	8/16/19 15:30	0.70	1.8	1.8	375,624
8/23/19 8:20	8/23/19 8:50	0.34	7.5	0.5	16,228
9/2/19 5:10	9/2/19 7:00	0.85	1.6	1.8	501,851
9/12/19 16:50	9/13/19 1:00	0.34	2.7	1.5	38,926
10/7/19 15:40	10/7/19 21:00	0.75	12.3	5.3	197,178

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
10/16/19 11:40	10/16/19 16:30	1.10	6.3	4.8	608,447
10/22/19 14:20	10/22/19 17:10	0.59	4.3	2.8	256,997
10/27/19 5:10	10/27/19 9:40	1.19	7.2	4.5	672,829
10/30/19 20:10	10/31/19 22:30	3.01	15.6	11.7	2,480,609
11/7/19 16:00	11/7/19 16:40	0.39	7.3	0.7	15,581
11/23/19 22:50	11/24/19 4:10	0.93	11.8	5.3	243,226
12/9/19 14:00	12/9/19 16:10	0.44	7.9	2.2	82,932
12/14/19 1:00	12/14/19 14:00	0.62	7.4	4.0	178,751
12/16/19 22:50	12/17/19 1:00	0.51	10.3	2.2	86,924
12/30/19 7:00	12/30/19 7:40	0.24	0.0	0.7	29,616
CSO-06					*4,889,936*
1/19/19 20:30	1/20/19 3:30	1.30	12.7	6.8	133,880
1/24/19 3:00	1/24/19 14:00	1.31	14.1	8.5	136,765
2/7/19 23:10	2/8/19 2:30	0.69	7.8	2.7	58,736
2/20/19 10:50	2/20/19 13:40	0.79	10.8	2.8	51,440
2/24/19 4:50	2/24/19 6:00	0.46	7.0	1.2	22,517
3/1/19 2:40	3/1/19 3:20	0.29	4.5	0.5	4,378
3/2/19 2:40	3/2/19 3:20	0.26	3.5	0.5	2,432
3/3/19 19:00	3/3/19 22:20	0.58	7.5	3.3	32,259
3/10/19 1:20	3/10/19 5:20	0.82	6.8	3.8	97,962
3/21/19 8:20	3/22/19 2:50	2.45	20.3	13.5	335,546
4/12/19 19:00	4/13/19 1:40	1.62	9.6	5.0	303,461
4/14/19 20:00	4/15/19 2:50	1.00	5.3	3.5	138,792
4/19/19 20:40	4/19/19 22:20	0.81	5.1	1.7	110,169
4/26/19 14:40	4/26/19 15:50	0.50	7.6	1.2	11,449
5/3/19 21:40	5/3/19 22:10	0.28	4.1	0.5	4,493
5/5/19 15:50	5/5/19 18:30	1.09	18.2	2.7	33,465
5/12/19 2:40	5/12/19 12:10	1.67	15.2	7.0	198,879
5/13/19 10:00	5/13/19 14:10	0.67	5.8	4.0	67,024
5/18/19 23:50	5/19/19 0:10	0.19	1.0	0.3	2,224
5/19/19 18:10	5/20/19 0:40	1.07	4.5	3.8	162,379
5/28/19 5:30	5/28/19 6:00	0.20	0.8	0.5	7,595
5/28/19 16:20	5/29/19 4:40	0.75	6.5	2.2	36,331
5/29/19 16:40	5/29/19 18:00	0.59	2.2	1.3	117,364
5/30/19 14:40	5/30/19 15:30	0.31	1.6	0.8	29,280
6/1/19 21:50	6/1/19 23:00	0.35	3.9	1.0	15,925
6/13/19 3:30	6/13/19 4:00	0.59	8.3	0.5	2,524
6/20/19 11:20	6/20/19 12:30	0.59	3.7	1.0	82,581
6/25/19 1:40	6/25/19 4:40	0.52	2.9	1.8	48,059
7/6/19 17:10	7/6/19 19:40	1.24	3.1	2.5	314,919
7/7/19 21:30	7/8/19 8:00	1.12	8.1	3.8	150,034
7/16/19 16:50	7/16/19 18:30	0.46	2.9	1.7	58,671
7/30/19 16:50	7/30/19 17:10	0.17	0.6	0.3	1,597
8/1/19 15:50	8/1/19 16:20	0.20	1.0	0.5	6,458
8/6/19 13:30	8/6/19 15:00	0.88	1.2	1.5	208,411
8/6/19 22:20	8/6/19 22:40	0.14	0.4	0.2	1,410
8/16/19 14:00	8/16/19 15:30	0.80	1.6	1.5	180,606
8/18/19 20:10	8/18/19 20:40	0.20	1.0	0.5	7,601
8/23/19 8:20	8/23/19 9:00	0.42	7.4	0.5	3,727
9/2/19 5:10	9/2/19 7:00	0.98	1.8	1.8	243,035
9/12/19 2:00	9/12/19 2:50	0.35	2.1	0.8	29,978
9/12/19 16:50	9/13/19 0:50	0.40	2.7	0.8	13,368
10/7/19 16:50	10/7/19 20:50	0.69	12.1	2.3	28,661

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
10/16/19 11:40	10/16/19 16:20	1.14	6.3	4.7	212,390
10/22/19 14:30	10/22/19 17:00	0.53	3.9	2.3	56,673
10/27/19 5:10	10/27/19 9:30	1.14	7.2	4.2	203,033
10/30/19 20:30	10/31/19 21:20	2.92	14.6	7.3	796,457
11/23/19 23:50	11/24/19 3:30	1.00	11.6	2.5	51,383
12/9/19 15:10	12/9/19 16:10	0.42	7.5	1.0	9,366
12/14/19 12:00	12/14/19 14:00	0.70	7.3	1.8	37,900
12/16/19 23:00	12/17/19 1:00	0.58	10.8	2.0	20,219
12/30/19 7:00	12/30/19 7:30	0.25	0.0	0.5	6,130
CSO-07					*5,756,935*
1/19/19 20:10	1/20/19 0:50	1.30	12.7	4.7	149,188
1/24/19 2:50	1/24/19 13:50	1.31	14.1	8.7	181,858
2/7/19 23:00	2/8/19 2:10	0.69	7.7	2.5	82,985
2/20/19 10:40	2/20/19 13:20	0.78	10.8	2.7	70,794
2/24/19 4:40	2/24/19 5:50	0.46	7.0	1.2	33,922
3/1/19 2:30	3/1/19 3:00	0.29	4.4	0.5	9,988
3/2/19 2:20	3/2/19 2:40	0.26	3.5	0.3	3,847
3/3/19 18:40	3/3/19 22:00	0.58	7.5	3.3	37,425
3/10/19 1:10	3/10/19 5:10	0.81	6.8	4.0	122,498
3/21/19 8:10	3/22/19 2:30	2.45	20.3	13.8	400,872
4/12/19 18:50	4/13/19 1:20	1.61	9.3	4.8	336,790
4/14/19 18:20	4/15/19 2:40	0.99	5.3	3.7	170,674
4/19/19 15:10	4/19/19 22:00	0.80	4.8	2.2	136,599
4/26/19 14:10	4/26/19 15:20	0.50	7.3	1.2	23,319
5/3/19 21:30	5/3/19 22:00	0.28	4.1	0.5	10,253
5/5/19 15:40	5/5/19 18:20	1.08	17.9	2.7	49,342
5/10/19 19:10	5/10/19 19:30	0.21	1.2	0.3	6,324
5/12/19 2:40	5/12/19 11:50	1.66	15.2	6.8	247,342
5/13/19 9:50	5/13/19 13:40	0.67	5.7	3.8	86,005
5/18/19 23:40	5/19/19 0:00	0.19	1.0	0.3	6,310
5/19/19 18:10	5/20/19 0:20	1.06	4.4	3.7	193,646
5/28/19 5:30	5/28/19 5:50	0.19	0.8	0.3	10,903
5/28/19 16:20	5/29/19 4:40	0.73	6.3	3.0	67,941
5/29/19 16:40	5/29/19 17:50	0.57	2.2	1.2	126,438
5/30/19 14:40	5/30/19 15:20	0.31	1.6	0.7	37,864
6/1/19 21:40	6/1/19 22:40	0.35	3.9	1.0	24,385
6/10/19 23:40	6/10/19 23:50	0.30	4.6	0.2	2,872
6/13/19 3:20	6/13/19 12:10	0.60	8.3	0.8	12,019
6/18/19 3:50	6/18/19 4:10	0.21	2.2	0.3	4,966
6/20/19 11:20	6/20/19 12:10	0.59	3.4	0.8	93,857
6/25/19 1:20	6/25/19 4:30	0.52	2.9	2.0	70,263
7/6/19 17:10	7/6/19 19:30	1.24	3.0	2.3	330,206
7/7/19 21:30	7/8/19 7:40	1.09	8.0	3.8	183,178
7/16/19 16:50	7/16/19 18:10	0.47	2.8	1.3	80,740
7/22/19 18:40	7/22/19 19:00	0.36	5.9	0.3	6,312
7/30/19 16:40	7/30/19 17:00	0.16	0.5	0.3	8,347
8/1/19 15:50	8/1/19 16:20	0.21	1.0	0.5	15,291
8/6/19 13:30	8/6/19 14:40	0.86	1.2	1.2	215,401
8/6/19 22:10	8/6/19 22:30	0.15	0.4	0.3	10,065
8/7/19 11:50	8/7/19 12:10	0.21	1.3	0.3	6,843
8/16/19 14:00	8/16/19 15:20	0.79	1.5	1.3	192,240
8/18/19 20:10	8/18/19 20:30	0.20	1.0	0.3	11,516
8/23/19 8:20	8/23/19 8:50	0.42	7.2	0.5	11,969

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/2/19 5:10	9/2/19 6:50	0.98	1.8	1.7	262,394
9/12/19 2:00	9/12/19 2:40	0.35	2.0	0.7	39,773
9/12/19 16:40	9/13/19 0:40	0.39	2.6	1.2	28,283
10/7/19 15:50	10/7/19 20:20	0.69	11.4	2.3	42,442
10/16/19 11:40	10/16/19 16:00	1.14	6.3	4.3	249,293
10/22/19 14:20	10/22/19 16:20	0.53	3.9	2.0	74,009
10/27/19 5:10	10/27/19 9:10	1.13	7.1	4.0	241,584
10/30/19 20:10	10/31/19 20:50	2.92	14.4	7.2	753,528
11/23/19 22:30	11/24/19 3:10	0.99	11.4	3.2	74,399
12/9/19 15:10	12/9/19 15:50	0.41	7.4	0.7	9,944
12/14/19 11:50	12/14/19 13:40	0.70	7.3	1.8	55,384
12/16/19 22:50	12/17/19 0:50	0.58	10.6	2.0	28,095
12/30/19 7:00	12/30/19 7:30	0.25	0.0	0.5	14,213
CSO-08					*21,503,459*
1/19/19 20:00	1/20/19 6:30	1.30	12.7	10.5	820,717
1/24/19 2:30	1/24/19 13:50	1.31	14.1	11.3	809,113
2/7/19 23:00	2/8/19 2:20	0.69	7.7	3.3	331,250
2/12/19 11:10	2/12/19 11:20	0.66	14.3	0.2	9,080
2/20/19 10:40	2/20/19 13:30	0.78	10.8	2.8	245,324
2/24/19 4:30	2/24/19 5:50	0.46	7.0	1.3	134,598
3/1/19 2:20	3/1/19 3:10	0.29	4.4	0.8	60,641
3/2/19 2:20	3/2/19 3:00	0.26	3.5	0.7	39,016
3/3/19 18:20	3/3/19 22:10	0.58	7.5	3.8	242,772
3/10/19 0:50	3/10/19 5:20	0.81	6.8	4.5	439,858
3/21/19 8:00	3/22/19 2:50	2.44	20.3	18.8	1,679,931
3/25/19 16:00	3/25/19 16:20	0.21	4.1	0.3	16,707
4/12/19 18:50	4/13/19 1:30	1.62	9.3	6.7	1,116,444
4/14/19 18:10	4/15/19 2:50	0.99	5.3	5.3	584,694
4/19/19 15:00	4/19/19 22:10	0.79	4.8	3.3	486,050
4/26/19 14:10	4/26/19 16:00	0.51	7.3	1.8	139,376
5/3/19 21:10	5/3/19 22:10	0.28	4.1	1.0	57,817
5/5/19 1:40	5/5/19 18:20	1.08	17.9	6.7	254,256
5/10/19 19:10	5/10/19 19:20	0.20	1.2	0.2	14,175
5/12/19 2:30	5/12/19 12:00	1.67	15.2	8.8	899,261
5/13/19 9:40	5/13/19 14:10	0.68	5.7	4.5	377,944
5/18/19 23:30	5/19/19 0:10	0.20	1.0	0.7	69,819
5/19/19 18:10	5/20/19 0:30	1.00	4.4	5.5	636,568
5/28/19 5:30	5/28/19 6:00	0.20	0.8	0.5	52,065
5/28/19 16:20	5/29/19 4:40	0.77	6.3	5.8	335,338
5/29/19 16:40	5/29/19 18:00	0.60	2.2	1.3	409,505
5/30/19 14:30	5/30/19 15:30	0.31	1.6	1.0	143,454
6/1/19 21:20	6/1/19 22:40	0.35	3.9	1.3	93,715
6/10/19 23:30	6/11/19 0:10	0.31	4.6	0.7	48,733
6/13/19 3:10	6/13/19 12:10	0.60	8.3	4.0	117,217
6/18/19 3:50	6/18/19 4:10	0.20	2.2	0.3	27,860
6/20/19 11:20	6/20/19 12:30	0.62	3.4	1.2	319,244
6/25/19 1:10	6/25/19 4:30	0.53	2.9	2.8	269,213
7/6/19 17:10	7/6/19 19:30	1.20	3.0	2.3	961,283
7/7/19 21:30	7/8/19 7:50	1.11	8.0	6.0	633,504
7/16/19 16:50	7/16/19 18:30	0.46	2.8	1.7	271,443
7/22/19 18:40	7/22/19 19:10	0.35	5.9	0.5	26,856
7/30/19 16:40	7/30/19 17:00	0.16	0.5	0.3	29,589
8/1/19 15:40	8/1/19 16:30	0.23	1.0	0.8	81,274

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
8/6/19 13:30	8/6/19 14:50	0.84	1.2	1.3	632,190
8/6/19 22:10	8/6/19 22:30	0.13	0.4	0.3	29,740
8/7/19 11:40	8/7/19 12:20	0.22	1.3	0.7	61,247
8/16/19 14:00	8/16/19 15:30	0.84	1.5	1.5	633,775
8/18/19 20:00	8/18/19 20:50	0.25	1.0	0.8	127,267
8/23/19 8:10	8/23/19 9:00	0.42	7.2	0.8	63,717
9/2/19 5:10	9/2/19 7:10	1.03	1.8	2.0	861,608
9/12/19 1:50	9/12/19 2:40	0.37	2.0	0.8	153,516
9/12/19 16:40	9/13/19 0:40	0.39	2.6	2.0	129,356
10/7/19 15:40	10/7/19 20:50	0.68	11.4	5.0	229,778
10/16/19 11:30	10/16/19 16:10	1.13	6.3	4.7	831,028
10/22/19 14:20	10/22/19 16:40	0.53	3.9	2.3	292,369
10/27/19 5:00	10/27/19 9:20	1.13	7.1	4.3	799,431
10/30/19 20:00	10/31/19 21:00	2.92	14.4	11.3	2,321,204
11/7/19 16:10	11/7/19 16:30	0.39	7.1	0.3	16,670
11/23/19 18:30	11/24/19 3:20	1.00	11.4	6.2	389,140
12/1/19 11:20	12/1/19 11:30	0.48	7.5	0.2	8,579
12/9/19 14:20	12/9/19 16:10	0.41	7.4	1.8	106,958
12/13/19 23:50	12/14/19 13:50	0.70	7.3	6.3	316,282
12/16/19 22:40	12/17/19 1:00	0.59	10.6	2.3	166,581
12/30/19 6:50	12/30/19 7:30	0.25	0.0	0.7	47,320
CSO-09					*32,560,574*
1/19/19 20:30	1/20/19 4:20	1.31	12.7	7.8	1,204,387
1/24/19 3:00	1/24/19 14:20	1.31	14.1	9.3	1,284,217
2/7/19 23:00	2/8/19 2:50	0.69	7.7	3.3	504,077
2/20/19 10:50	2/20/19 14:00	0.78	10.8	3.2	440,672
2/24/19 4:40	2/24/19 6:10	0.46	7.0	1.5	199,186
3/1/19 2:40	3/1/19 3:20	0.29	4.4	0.7	33,487
3/3/19 19:20	3/3/19 22:40	0.58	7.5	3.3	323,901
3/10/19 1:30	3/10/19 5:40	0.80	6.8	4.2	761,124
3/21/19 8:10	3/22/19 3:00	2.44	20.3	18.0	2,772,590
4/12/19 19:00	4/13/19 2:00	1.63	9.3	5.8	1,804,787
4/14/19 20:00	4/15/19 3:20	0.97	5.3	4.3	863,632
4/19/19 20:30	4/19/19 22:50	0.79	4.8	2.3	632,140
4/26/19 14:30	4/26/19 16:20	0.54	7.3	1.8	226,313
5/3/19 21:40	5/3/19 22:10	0.29	4.1	0.5	29,259
5/5/19 15:40	5/5/19 18:40	1.05	17.9	3.0	335,919
5/12/19 2:30	5/12/19 12:30	1.69	15.2	7.8	1,601,058
5/13/19 9:50	5/13/19 14:20	0.69	5.7	4.5	639,806
5/18/19 23:30	5/19/19 0:30	0.25	1.0	1.0	114,837
5/19/19 18:10	5/20/19 0:40	0.88	4.4	4.8	768,113
5/28/19 5:20	5/28/19 6:20	0.24	0.8	1.0	97,435
5/28/19 16:20	5/29/19 4:50	0.87	6.3	3.5	502,719
5/29/19 16:30	5/29/19 18:30	0.66	2.2	2.0	696,420
5/30/19 14:40	5/30/19 15:50	0.30	1.6	1.2	172,227
6/1/19 21:50	6/1/19 23:30	0.36	3.9	1.7	166,474
6/13/19 3:30	6/13/19 4:20	0.60	8.3	0.8	35,093
6/20/19 11:20	6/20/19 13:00	0.68	3.4	1.7	509,606
6/25/19 1:30	6/25/19 5:00	0.55	2.9	2.5	399,567
7/6/19 17:10	7/6/19 20:10	1.13	3.0	3.0	1,362,929
7/7/19 21:30	7/8/19 8:20	1.15	8.0	5.5	1,082,193
7/16/19 16:50	7/16/19 18:50	0.45	2.8	2.0	406,944
8/1/19 15:40	8/1/19 16:40	0.28	1.0	1.0	157,705

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
8/6/19 13:30	8/6/19 15:30	0.77	1.2	2.0	850,461
8/7/19 11:40	8/7/19 12:40	0.24	1.3	1.0	114,069
8/16/19 14:00	8/16/19 16:10	0.95	1.5	2.2	1,105,068
8/18/19 20:00	8/18/19 21:20	0.38	1.0	1.3	305,013
8/23/19 8:20	8/23/19 9:10	0.44	7.2	0.8	73,907
9/2/19 5:10	9/2/19 7:50	1.15	1.8	2.7	1,427,141
9/12/19 1:50	9/12/19 3:20	0.42	2.0	1.5	300,379
9/12/19 16:40	9/12/19 17:40	0.39	2.6	1.0	116,161
10/7/19 16:40	10/7/19 21:00	0.66	11.4	2.8	334,107
10/16/19 11:40	10/16/19 16:50	1.13	6.3	5.2	1,347,527
10/22/19 14:20	10/22/19 17:20	0.52	3.9	3.0	457,780
10/27/19 5:10	10/27/19 10:00	1.14	7.1	4.8	1,286,381
10/30/19 20:30	10/31/19 21:50	2.93	14.4	9.0	3,418,177
11/23/19 23:40	11/24/19 4:30	1.02	11.4	4.2	583,256
12/9/19 15:10	12/9/19 16:20	0.40	7.4	1.2	94,452
12/14/19 11:50	12/14/19 14:20	0.70	7.3	2.5	342,478
12/16/19 22:50	12/17/19 1:20	0.60	10.6	2.5	226,949
12/30/19 7:00	12/30/19 7:40	0.24	0.0	0.7	48,453
CSO-10					*19,871,110*
1/8/19 20:40	1/8/19 21:40	0.15	2.8	0.8	8,133
1/19/19 19:50	1/20/19 8:00	1.31	12.7	12.0	710,779
1/24/19 2:40	1/24/19 15:10	1.31	13.9	12.5	745,981
2/7/19 22:50	2/8/19 7:40	0.69	7.7	6.7	306,468
2/12/19 9:20	2/12/19 16:40	0.67	14.3	6.3	99,667
2/20/19 10:30	2/20/19 23:50	0.78	10.8	8.0	283,773
2/24/19 4:30	2/24/19 8:50	0.46	7.1	4.2	146,759
3/1/19 2:20	3/1/19 5:20	0.29	4.3	2.8	53,453
3/2/19 2:00	3/2/19 4:20	0.25	3.5	2.2	49,246
3/3/19 18:10	3/4/19 0:00	0.58	7.5	5.7	208,518
3/10/19 1:00	3/10/19 6:50	0.80	6.9	5.8	414,596
3/21/19 8:00	3/22/19 3:50	2.43	20.3	19.7	1,485,470
3/25/19 16:00	3/25/19 17:20	0.21	4.0	1.3	14,090
4/12/19 18:50	4/13/19 2:30	1.63	9.1	7.7	1,031,697
4/14/19 18:20	4/15/19 3:50	0.97	5.3	6.3	489,769
4/19/19 15:00	4/19/19 23:10	0.78	4.9	4.3	392,681
4/26/19 14:00	4/26/19 17:00	0.54	7.3	3.0	153,182
5/3/19 21:20	5/3/19 22:50	0.29	4.1	1.5	37,956
5/5/19 1:20	5/5/19 20:20	1.05	17.9	8.5	266,536
5/12/19 2:10	5/12/19 15:00	1.69	15.2	12.5	917,717
5/13/19 9:50	5/13/19 15:00	0.69	5.8	5.2	344,279
5/18/19 23:30	5/19/19 1:00	0.25	1.0	1.5	55,878
5/19/19 18:10	5/20/19 1:10	0.87	4.5	6.3	427,290
5/28/19 5:20	5/28/19 7:10	0.24	0.8	1.7	53,986
5/28/19 16:20	5/29/19 5:40	0.87	5.9	7.5	349,892
5/29/19 16:10	5/29/19 19:10	0.66	2.2	2.8	424,195
5/30/19 14:40	5/30/19 16:30	0.30	1.7	1.8	94,693
6/1/19 21:30	6/2/19 0:00	0.36	3.9	2.5	95,374
6/10/19 23:30	6/11/19 0:40	0.32	4.7	1.2	17,906
6/13/19 3:10	6/13/19 13:30	0.60	8.7	5.5	108,849
6/18/19 3:50	6/18/19 4:50	0.19	2.0	0.8	10,303
6/20/19 11:20	6/20/19 13:50	0.68	3.7	2.3	301,005
6/25/19 1:20	6/25/19 5:40	0.55	3.1	4.0	231,983
7/6/19 17:10	7/6/19 20:40	1.13	3.0	3.5	792,891

CAPITAL REGION WATER
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
7/7/19 21:30	7/8/19 9:00	1.15	8.0	7.2	604,133
7/16/19 16:50	7/16/19 19:30	0.45	2.5	2.7	219,894
7/30/19 16:40	7/30/19 17:30	0.16	0.6	0.8	11,918
8/1/19 15:40	8/1/19 17:30	0.28	1.1	1.7	86,773
8/6/19 13:30	8/6/19 16:10	0.77	1.2	2.5	491,985
8/6/19 22:10	8/6/19 23:00	0.11	0.4	0.7	8,665
8/7/19 11:40	8/7/19 13:30	0.24	1.3	1.8	67,997
8/16/19 14:00	8/16/19 16:50	0.95	1.5	2.7	654,262
8/18/19 20:00	8/18/19 22:00	0.38	1.0	1.8	172,683
8/23/19 8:10	8/23/19 10:30	0.44	6.9	2.2	73,238
8/28/19 14:30	8/28/19 15:30	0.18	2.3	0.8	5,167
9/2/19 5:10	9/2/19 8:30	1.15	1.8	3.3	838,426
9/12/19 1:50	9/12/19 3:50	0.42	1.8	2.0	167,298
9/12/19 16:10	9/13/19 1:20	0.39	2.5	3.5	105,967
10/7/19 15:50	10/7/19 21:50	0.66	11.7	5.8	213,535
10/16/19 11:40	10/16/19 17:30	1.13	6.4	5.8	738,244
10/22/19 14:20	10/22/19 18:00	0.52	4.0	3.7	238,694
10/27/19 5:00	10/27/19 10:50	1.14	7.1	5.7	730,528
10/30/19 20:00	10/31/19 22:50	2.93	14.3	12.8	2,214,338
11/7/19 15:30	11/7/19 19:00	0.40	7.5	3.5	64,867
11/23/19 19:00	11/24/19 10:20	1.02	12.3	12.5	414,759
12/1/19 14:10	12/1/19 18:20	0.48	7.2	3.0	28,469
12/9/19 14:00	12/9/19 17:10	0.40	7.3	3.2	96,557
12/13/19 23:40	12/14/19 15:30	0.70	6.4	8.3	295,510
12/16/19 22:30	12/17/19 8:30	0.60	10.3	4.7	142,214
12/30/19 6:50	12/30/19 11:10	0.24	0.0	2.7	59,995
CSO-11					*16,099,136*
1/19/19 20:00	1/20/19 6:40	1.30	12.7	10.0	605,831
1/24/19 2:40	1/24/19 14:10	1.31	13.9	9.5	622,395
2/7/19 22:50	2/8/19 2:40	0.69	7.7	3.3	255,585
2/20/19 10:40	2/20/19 13:50	0.77	10.8	3.2	223,676
2/24/19 4:40	2/24/19 6:00	0.46	7.1	1.3	104,347
3/1/19 2:20	3/1/19 3:20	0.29	4.3	1.0	48,213
3/2/19 2:20	3/2/19 3:20	0.25	3.5	1.0	40,542
3/3/19 18:30	3/3/19 22:30	0.58	7.5	4.0	194,200
3/10/19 1:00	3/10/19 5:30	0.80	6.9	4.5	369,657
3/21/19 8:00	3/22/19 2:50	2.43	20.3	15.0	1,223,125
4/12/19 19:00	4/13/19 1:50	1.65	9.1	5.3	828,551
4/14/19 18:20	4/15/19 3:00	0.97	5.3	4.0	417,929
4/19/19 15:10	4/19/19 22:20	0.78	4.9	2.7	322,863
4/26/19 14:10	4/26/19 16:10	0.55	7.3	2.0	141,649
5/3/19 21:20	5/3/19 22:20	0.29	4.1	1.0	46,636
5/5/19 15:30	5/5/19 18:30	1.05	17.9	3.0	180,815
5/12/19 2:30	5/12/19 12:10	1.67	15.2	7.5	723,390
5/13/19 9:50	5/13/19 14:10	0.69	5.8	4.3	314,965
5/18/19 23:20	5/19/19 0:30	0.26	1.0	1.2	79,566
5/19/19 18:10	5/20/19 0:30	0.86	4.5	4.3	356,122
5/28/19 5:20	5/28/19 6:10	0.22	0.8	0.8	58,660
5/28/19 16:20	5/29/19 4:50	0.85	5.9	4.2	292,310
5/29/19 16:30	5/29/19 18:10	0.65	2.2	1.7	325,874
5/30/19 14:30	5/30/19 15:40	0.31	1.7	1.2	105,809
6/1/19 21:30	6/1/19 23:30	0.36	3.9	2.0	99,618
6/10/19 23:30	6/11/19 0:20	0.31	4.7	0.8	27,817

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/13/19 3:10	6/13/19 12:40	0.61	8.7	1.8	71,640
6/18/19 3:50	6/18/19 4:20	0.19	2.0	0.5	16,083
6/20/19 11:20	6/20/19 12:30	0.72	3.7	1.2	274,520
6/25/19 1:20	6/25/19 4:50	0.55	3.1	2.5	211,878
7/6/19 17:10	7/6/19 19:50	1.13	3.0	2.7	620,535
7/7/19 21:20	7/8/19 8:10	1.14	8.0	4.7	493,949
7/16/19 16:50	7/16/19 18:40	0.46	2.5	1.8	203,317
8/1/19 15:30	8/1/19 16:40	0.33	1.1	1.2	123,472
8/6/19 13:30	8/6/19 15:00	0.75	1.2	1.5	382,123
8/7/19 11:40	8/7/19 12:40	0.24	1.3	1.0	67,780
8/16/19 14:00	8/16/19 15:40	0.93	1.5	1.7	500,118
8/18/19 20:00	8/18/19 21:10	0.37	1.0	1.2	154,914
8/23/19 8:10	8/23/19 9:10	0.44	6.9	1.0	58,997
9/2/19 5:10	9/2/19 7:10	1.16	1.8	2.0	652,084
9/12/19 1:50	9/12/19 3:00	0.42	1.8	1.2	149,149
9/12/19 16:40	9/13/19 0:50	0.38	2.5	1.5	89,425
10/7/19 16:40	10/7/19 21:00	0.66	11.7	3.0	173,646
10/16/19 11:40	10/16/19 16:30	1.14	6.4	4.8	616,060
10/22/19 14:20	10/22/19 17:10	0.52	4.0	2.8	224,028
10/27/19 5:00	10/27/19 9:30	1.14	7.1	4.5	593,660
10/30/19 20:10	10/31/19 21:10	2.91	14.3	8.0	1,678,717
11/23/19 22:30	11/24/19 4:10	1.01	12.3	5.0	287,264
12/9/19 14:20	12/9/19 16:10	0.40	7.3	1.8	77,185
12/14/19 1:40	12/14/19 14:00	0.70	6.4	3.0	195,810
12/16/19 22:40	12/17/19 1:20	0.60	10.3	2.7	123,968
12/30/19 6:50	12/30/19 7:40	0.24	0.0	0.8	48,668
CSO-12					*8,996,505*
1/19/19 20:00	1/20/19 6:30	1.30	12.7	8.7	292,528
1/24/19 2:40	1/24/19 14:00	1.31	14.0	9.2	313,222
2/7/19 22:50	2/8/19 2:30	0.69	7.7	3.2	137,495
2/20/19 10:30	2/20/19 13:40	0.77	11.0	3.2	114,090
2/24/19 4:30	2/24/19 6:00	0.46	7.1	1.5	56,294
3/1/19 2:20	3/1/19 3:20	0.29	4.3	1.0	19,551
3/2/19 2:20	3/2/19 3:10	0.25	3.5	0.8	11,712
3/3/19 18:30	3/3/19 22:20	0.58	7.5	3.8	82,875
3/10/19 1:00	3/10/19 5:20	0.80	6.9	4.3	195,778
3/21/19 8:00	3/22/19 2:40	2.43	20.3	15.0	643,744
4/12/19 18:50	4/13/19 1:40	1.66	9.1	5.3	490,960
4/14/19 18:10	4/15/19 2:50	0.97	5.3	4.3	240,036
4/19/19 15:10	4/19/19 22:20	0.77	4.9	2.5	180,175
4/26/19 14:00	4/26/19 16:00	0.58	7.5	2.0	85,806
5/3/19 21:20	5/3/19 22:10	0.29	4.1	0.8	19,816
5/5/19 15:30	5/5/19 18:30	1.04	18.0	3.0	85,463
5/12/19 2:30	5/12/19 12:10	1.66	15.2	7.5	401,063
5/13/19 9:40	5/13/19 14:00	0.70	5.8	4.3	162,078
5/18/19 23:20	5/19/19 0:20	0.27	1.0	1.0	51,576
5/19/19 18:10	5/20/19 0:20	0.82	4.7	3.8	175,031
5/28/19 5:20	5/28/19 6:10	0.22	0.8	0.8	31,744
5/28/19 16:20	5/29/19 4:40	0.87	5.9	4.0	153,668
5/29/19 16:30	5/29/19 18:00	0.67	2.2	1.5	202,226
5/30/19 14:30	5/30/19 15:30	0.30	1.7	1.0	54,267
6/1/19 21:30	6/1/19 23:00	0.36	3.9	1.5	47,410
6/10/19 23:30	6/11/19 0:10	0.32	4.8	0.7	15,664

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/13/19 3:00	6/13/19 12:10	0.60	8.8	1.5	23,150
6/18/19 3:50	6/18/19 4:10	0.19	2.0	0.3	4,930
6/20/19 11:20	6/20/19 12:30	0.71	3.7	1.2	153,239
6/25/19 1:10	6/25/19 4:40	0.55	3.1	2.5	112,218
7/6/19 17:10	7/6/19 19:40	1.11	3.0	2.5	368,007
7/7/19 21:20	7/8/19 8:00	1.13	8.1	4.7	278,394
7/16/19 16:50	7/16/19 18:30	0.45	2.5	1.7	112,508
7/30/19 16:40	7/30/19 16:50	0.14	0.6	0.2	2,228
8/1/19 15:30	8/1/19 16:30	0.33	1.1	1.0	71,360
8/6/19 13:20	8/6/19 15:00	0.72	1.2	1.7	216,885
8/7/19 11:40	8/7/19 12:30	0.27	1.3	0.8	41,669
8/16/19 14:00	8/16/19 15:40	0.97	1.5	1.7	315,747
8/18/19 20:00	8/18/19 21:10	0.45	1.0	1.2	114,360
8/23/19 8:10	8/23/19 9:10	0.44	7.1	1.0	27,995
9/2/19 5:10	9/2/19 7:10	1.19	1.8	2.0	406,063
9/12/19 1:50	9/12/19 3:00	0.43	1.9	1.2	87,360
9/12/19 16:10	9/13/19 0:40	0.38	2.7	1.5	42,615
10/7/19 16:40	10/7/19 20:50	0.66	11.8	2.8	81,058
10/16/19 11:30	10/16/19 16:20	1.13	6.4	4.8	357,615
10/22/19 14:20	10/22/19 17:00	0.51	4.0	2.7	117,058
10/27/19 5:00	10/27/19 9:30	1.14	7.1	4.5	340,045
10/30/19 20:10	10/31/19 21:20	2.91	14.3	8.3	1,119,464
11/23/19 22:30	11/24/19 3:30	1.01	12.6	4.0	138,704
12/9/19 14:50	12/9/19 16:00	0.40	7.3	1.2	23,924
12/14/19 1:40	12/14/19 13:50	0.70	6.4	2.8	96,275
12/16/19 22:40	12/17/19 1:00	0.60	10.4	2.3	59,953
12/30/19 6:50	12/30/19 7:30	0.24	0.0	0.7	19,408
CSO-13					*2,955,791*
2/8/19 0:40	2/8/19 1:10	0.69	7.7	0.5	29,851
3/10/19 2:30	3/10/19 2:50	0.80	6.9	0.2	2,361
3/21/19 20:20	3/21/19 21:30	2.43	20.3	1.2	76,341
4/12/19 19:00	4/12/19 23:50	1.68	9.1	2.3	258,012
4/14/19 20:00	4/15/19 2:20	0.97	5.3	1.3	77,250
4/19/19 20:40	4/19/19 21:40	0.76	4.9	1.0	81,966
4/26/19 14:30	4/26/19 15:10	0.60	7.5	0.7	32,024
5/12/19 6:10	5/12/19 11:10	1.64	15.2	1.3	70,173
5/18/19 23:20	5/18/19 23:50	0.29	1.0	0.5	21,760
5/19/19 19:30	5/19/19 23:30	0.79	4.7	0.8	63,177
5/28/19 5:30	5/28/19 5:40	0.21	0.8	0.2	5,312
5/28/19 16:20	5/28/19 16:40	0.86	5.9	0.3	33,758
5/29/19 16:40	5/29/19 17:30	0.67	2.2	0.8	117,670
5/30/19 14:40	5/30/19 15:00	0.31	1.7	0.3	22,960
6/20/19 11:20	6/20/19 11:50	0.74	3.7	0.5	96,926
6/25/19 3:50	6/25/19 4:10	0.54	3.1	0.3	24,048
7/6/19 17:10	7/6/19 19:10	1.10	3.0	2.0	196,378
7/7/19 21:30	7/8/19 5:10	1.12	8.1	1.2	90,708
7/16/19 16:50	7/16/19 17:20	0.44	2.5	0.5	54,708
8/1/19 15:30	8/1/19 16:10	0.37	1.1	0.7	45,736
8/6/19 13:30	8/6/19 14:20	0.68	1.2	0.8	116,081
8/7/19 11:40	8/7/19 12:00	0.28	1.3	0.3	22,512
8/16/19 14:00	8/16/19 15:00	0.98	1.5	1.0	193,347
8/18/19 20:00	8/18/19 20:30	0.49	1.0	0.5	72,824
9/2/19 5:10	9/2/19 6:30	1.21	1.8	1.3	257,740

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/12/19 1:50	9/12/19 2:20	0.43	1.9	0.5	46,794
10/16/19 13:40	10/16/19 15:10	1.13	6.4	1.5	95,578
10/22/19 14:30	10/22/19 15:00	0.51	4.0	0.5	12,606
10/27/19 5:30	10/27/19 8:50	1.14	7.1	1.5	127,451
10/30/19 21:30	10/31/19 20:40	2.90	14.3	2.7	609,740
CSO-14					*9,466,030*
1/19/19 20:00	1/20/19 5:50	1.29	12.7	6.3	217,408
1/24/19 2:40	1/24/19 14:10	1.30	14.0	8.7	206,380
2/7/19 23:00	2/8/19 2:40	0.68	7.8	2.7	99,565
2/20/19 10:40	2/20/19 13:50	0.77	11.0	2.8	83,434
2/24/19 4:40	2/24/19 6:00	0.47	7.1	1.2	36,587
3/1/19 2:20	3/1/19 3:20	0.29	4.4	0.7	6,209
3/2/19 2:20	3/2/19 3:10	0.25	3.5	0.2	571
3/3/19 18:30	3/3/19 22:30	0.58	7.5	3.7	34,929
3/10/19 1:00	3/10/19 5:20	0.80	7.0	4.2	165,732
3/21/19 8:00	3/22/19 2:50	2.42	20.3	13.5	572,907
4/12/19 19:00	4/13/19 1:50	1.73	9.2	5.3	664,847
4/14/19 18:10	4/15/19 3:00	0.98	5.4	3.8	229,772
4/19/19 15:00	4/19/19 22:30	0.74	5.0	2.2	180,454
4/26/19 14:10	4/26/19 16:20	0.68	7.6	1.5	130,906
5/3/19 21:20	5/3/19 22:20	0.29	4.1	0.7	10,711
5/5/19 15:40	5/5/19 18:30	1.02	18.0	2.7	43,835
5/12/19 2:30	5/12/19 12:20	1.60	15.2	7.0	332,784
5/13/19 9:50	5/13/19 14:10	0.70	5.8	4.2	124,232
5/18/19 23:20	5/19/19 0:40	0.33	1.0	1.2	76,539
5/19/19 18:10	5/20/19 0:10	0.72	4.9	2.7	109,721
5/28/19 5:30	5/28/19 6:10	0.19	0.8	0.5	10,455
5/28/19 16:20	5/29/19 4:30	0.87	6.0	2.5	122,375
5/29/19 16:20	5/29/19 18:10	0.70	2.2	1.7	290,575
5/30/19 14:40	5/30/19 15:40	0.31	1.7	0.8	51,240
6/1/19 21:30	6/1/19 23:20	0.37	3.9	1.3	32,748
6/10/19 23:30	6/11/19 0:20	0.32	4.9	0.7	7,125
6/13/19 3:00	6/13/19 4:20	0.61	8.8	0.8	8,608
6/18/19 3:50	6/18/19 4:20	0.19	2.0	0.3	944
6/20/19 11:20	6/20/19 12:40	0.73	3.7	1.3	217,149
6/25/19 1:10	6/25/19 4:50	0.52	3.1	2.2	81,740
7/6/19 17:10	7/6/19 19:50	1.07	3.0	2.5	480,440
7/7/19 21:30	7/8/19 8:10	1.09	8.1	4.0	261,581
7/16/19 16:50	7/16/19 18:40	0.42	2.5	1.7	106,642
8/1/19 15:30	8/1/19 16:50	0.42	1.2	1.2	128,079
8/6/19 13:30	8/6/19 15:10	0.58	1.2	1.5	217,844
8/7/19 11:40	8/7/19 12:50	0.33	1.6	1.0	61,896
8/16/19 14:00	8/16/19 16:00	1.07	1.5	1.8	542,594
8/18/19 20:00	8/18/19 21:30	0.61	1.0	1.3	254,448
8/23/19 8:20	8/23/19 9:10	0.44	7.2	0.5	9,393
8/28/19 14:00	8/28/19 15:00	0.21	2.3	0.3	2,050
9/2/19 5:10	9/2/19 7:30	1.26	1.8	2.2	675,782
9/12/19 1:50	9/12/19 3:10	0.43	1.9	1.2	92,120
9/12/19 16:40	9/12/19 17:40	0.37	2.7	0.8	30,538
10/7/19 16:40	10/7/19 20:50	0.63	11.8	2.2	36,005
10/16/19 11:40	10/16/19 16:30	1.13	6.4	4.7	401,875
10/22/19 14:20	10/22/19 17:00	0.50	4.0	2.3	96,715
10/27/19 5:00	10/27/19 9:40	1.13	7.1	4.5	398,996

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
10/30/19 20:10	10/31/19 21:20	2.89	14.4	6.7	1,321,117
11/23/19 23:00	11/24/19 4:10	1.01	12.8	2.7	91,836
12/9/19 14:50	12/9/19 16:10	0.40	7.4	0.8	8,345
12/14/19 1:40	12/14/19 14:00	0.70	6.4	2.0	61,716
12/16/19 22:50	12/17/19 1:10	0.60	10.4	2.2	24,467
12/30/19 7:00	12/30/19 7:30	0.24	0.0	0.3	5,071
CSO-15					7,087,301
1/19/19 21:10	1/20/19 4:10	1.29	12.1	6.5	238,021
1/24/19 3:50	1/24/19 14:20	1.30	13.8	7.7	207,272
2/8/19 0:40	2/8/19 3:00	0.68	7.8	2.2	80,980
2/20/19 11:40	2/20/19 14:10	0.77	10.5	2.5	54,635
2/24/19 5:00	2/24/19 6:10	0.47	6.8	1.2	21,112
3/3/19 20:00	3/3/19 22:30	0.58	7.2	2.5	28,449
3/10/19 2:00	3/10/19 5:50	0.80	6.8	3.7	150,039
3/21/19 8:50	3/22/19 3:00	2.42	19.9	16.5	532,628
4/12/19 19:10	4/13/19 2:10	1.74	9.1	6.7	527,012
4/14/19 20:10	4/15/19 3:30	0.99	5.3	4.2	190,703
4/19/19 20:50	4/19/19 23:00	0.74	4.8	2.0	129,925
4/26/19 14:30	4/26/19 16:30	0.70	7.4	2.0	110,643
5/5/19 16:40	5/5/19 18:40	1.02	17.3	2.0	37,873
5/12/19 2:50	5/12/19 12:40	1.60	14.3	7.7	301,287
5/13/19 10:20	5/13/19 14:20	0.70	5.8	4.0	101,031
5/18/19 23:30	5/19/19 0:50	0.34	1.0	1.3	36,289
5/19/19 19:30	5/20/19 0:20	0.69	4.8	2.8	61,791
5/28/19 16:20	5/29/19 1:00	0.89	5.9	2.7	94,374
5/29/19 16:40	5/29/19 18:40	0.71	2.1	2.0	208,463
5/30/19 14:50	5/30/19 15:40	0.30	1.7	0.8	16,403
6/1/19 22:10	6/1/19 23:30	0.37	3.9	1.3	13,253
6/20/19 11:20	6/20/19 13:10	0.70	3.5	1.7	120,363
6/25/19 1:50	6/25/19 5:00	0.52	3.0	2.0	46,930
7/6/19 17:20	7/6/19 20:20	1.06	3.0	3.0	334,710
7/8/19 4:30	7/8/19 8:30	1.08	7.3	3.8	208,333
7/16/19 17:00	7/16/19 18:50	0.41	2.1	1.8	53,317
8/1/19 15:30	8/1/19 17:10	0.41	1.1	1.5	66,996
8/6/19 13:40	8/6/19 15:40	0.56	1.1	1.8	126,623
8/7/19 11:50	8/7/19 13:00	0.34	1.4	1.2	30,282
8/16/19 14:10	8/16/19 16:40	1.11	1.4	2.3	374,727
8/18/19 20:00	8/18/19 22:00	0.67	1.0	2.0	185,479
9/2/19 5:10	9/2/19 8:10	1.28	1.8	3.0	457,288
9/12/19 2:00	9/12/19 3:30	0.44	1.8	1.5	59,549
9/12/19 16:50	9/12/19 17:40	0.36	2.7	0.8	12,531
10/7/19 19:00	10/7/19 21:00	0.63	11.5	1.7	26,065
10/16/19 12:00	10/16/19 16:50	1.13	6.4	4.8	326,978
10/22/19 14:40	10/22/19 17:10	0.49	4.0	2.5	57,239
10/27/19 5:20	10/27/19 10:10	1.13	6.8	4.8	307,819
10/30/19 21:00	10/31/19 22:00	2.90	14.1	7.8	987,359
11/24/19 0:00	11/24/19 4:40	1.01	12.2	4.0	99,267
12/14/19 12:00	12/14/19 14:30	0.70	6.4	2.3	45,277
12/17/19 0:10	12/17/19 1:30	0.60	10.2	1.2	17,988
CSO-16					2,302,501
1/19/19 21:20	1/20/19 0:00	1.30	12.0	2.7	35,305
1/24/19 8:50	1/24/19 9:50	1.31	13.8	1.0	11,656
2/7/19 22:50	2/8/19 1:20	0.68	7.5	1.7	23,013

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
2/20/19 10:40	2/20/19 12:20	0.77	10.4	1.7	11,762
2/24/19 4:40	2/24/19 5:20	0.47	6.8	0.7	5,953
3/10/19 2:00	3/10/19 3:50	0.81	6.7	1.8	27,067
3/21/19 8:00	3/22/19 1:40	2.42	19.8	11.8	118,543
4/12/19 19:00	4/13/19 0:00	1.71	9.0	3.3	172,020
4/14/19 19:50	4/15/19 2:20	0.98	5.3	2.7	61,626
4/19/19 20:30	4/19/19 21:50	0.75	4.6	1.3	52,794
4/26/19 14:00	4/26/19 15:10	0.64	7.3	1.2	38,904
5/3/19 21:30	5/3/19 21:40	0.29	4.0	0.2	1,269
5/12/19 2:30	5/12/19 11:30	1.62	14.3	5.8	73,361
5/13/19 9:50	5/13/19 10:50	0.70	5.7	1.0	13,070
5/18/19 23:20	5/19/19 0:00	0.32	0.9	0.7	25,519
5/19/19 18:10	5/19/19 23:30	0.73	4.4	1.8	34,382
5/28/19 5:20	5/28/19 5:40	0.20	0.8	0.3	6,373
5/28/19 16:20	5/29/19 4:10	0.90	5.8	3.2	39,018
5/29/19 16:30	5/29/19 17:40	0.71	2.1	1.2	88,860
5/30/19 14:30	5/30/19 15:10	0.30	1.6	0.7	14,497
6/1/19 21:50	6/1/19 22:20	0.37	3.9	0.5	4,544
6/10/19 23:30	6/10/19 23:40	0.33	4.3	0.2	2,356
6/16/19 22:40	6/16/19 22:50	0.18	2.9	0.2	1,248
6/20/19 11:20	6/20/19 11:50	0.73	3.4	0.5	51,549
6/25/19 1:10	6/25/19 4:10	0.53	3.0	1.8	22,363
6/29/19 20:00	6/29/19 20:10	0.23	1.0	0.2	1,239
7/6/19 17:10	7/6/19 19:10	1.08	3.0	2.0	121,730
7/7/19 21:30	7/8/19 7:00	1.10	7.1	3.2	67,176
7/16/19 16:50	7/16/19 17:20	0.42	2.1	0.5	26,862
8/1/19 15:30	8/1/19 16:10	0.38	0.9	0.7	34,792
8/6/19 13:30	8/6/19 14:20	0.62	1.1	0.8	54,321
8/7/19 11:30	8/7/19 12:10	0.32	1.2	0.7	20,296
8/16/19 14:00	8/16/19 15:10	1.05	1.4	1.2	148,845
8/18/19 20:00	8/18/19 20:40	0.60	1.0	0.7	75,768
8/23/19 8:10	8/23/19 8:30	0.44	6.8	0.3	4,139
9/2/19 5:10	9/2/19 6:40	1.26	1.8	1.5	185,719
9/12/19 1:50	9/12/19 2:20	0.44	1.8	0.5	26,738
9/12/19 16:40	9/12/19 17:10	0.38	2.7	0.5	7,363
10/7/19 16:40	10/7/19 19:20	0.64	11.4	1.0	12,384
10/16/19 11:30	10/16/19 15:10	1.13	6.4	3.7	91,163
10/22/19 14:20	10/22/19 15:20	0.50	4.0	1.0	18,664
10/27/19 5:10	10/27/19 8:50	1.14	6.8	3.7	94,640
10/30/19 21:00	10/31/19 20:50	2.91	13.8	5.5	426,690
11/24/19 1:30	11/24/19 2:50	1.01	11.9	1.3	14,484
12/14/19 11:50	12/14/19 12:40	0.70	6.4	0.8	9,149
12/30/19 6:50	12/30/19 7:10	0.24	0.0	0.3	3,289
CSO-17					*908,290*
3/21/19 20:30	3/21/19 21:20	2.40	20.0	0.8	9,441
4/12/19 19:10	4/12/19 23:50	1.86	9.0	2.0	71,645
4/15/19 0:20	4/15/19 2:20	1.05	5.3	0.7	14,821
4/19/19 21:10	4/19/19 21:40	0.73	4.8	0.5	11,578
4/26/19 14:30	4/26/19 15:00	0.91	7.3	0.5	41,499
5/18/19 23:30	5/18/19 23:40	0.37	0.9	0.2	4,649
5/28/19 16:20	5/28/19 16:40	0.84	5.8	0.3	17,369
5/29/19 16:40	5/29/19 17:10	0.72	2.1	0.5	42,261
5/30/19 14:50	5/30/19 15:00	0.30	1.6	0.2	2,056

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/20/19 11:30	6/20/19 11:40	0.51	3.4	0.2	3,996
7/6/19 17:20	7/6/19 18:10	0.97	3.0	0.8	44,829
7/8/19 4:40	7/8/19 5:00	1.00	7.6	0.3	14,428
7/16/19 17:00	7/16/19 17:10	0.36	2.0	0.2	3,920
8/1/19 15:30	8/1/19 16:00	0.52	1.1	0.3	20,769
8/6/19 14:00	8/6/19 14:10	0.34	1.0	0.2	5,111
8/7/19 11:40	8/7/19 12:00	0.45	1.5	0.3	9,124
8/16/19 14:10	8/16/19 15:00	1.44	1.4	0.8	129,792
8/18/19 20:00	8/18/19 20:40	0.92	0.8	0.7	81,559
9/2/19 5:10	9/2/19 6:30	1.34	2.0	1.3	112,653
9/12/19 2:00	9/12/19 2:20	0.43	1.8	0.3	10,103
10/16/19 13:40	10/16/19 14:50	1.11	6.4	1.2	11,019
10/27/19 8:00	10/27/19 8:40	1.12	6.6	0.7	26,027
10/31/19 18:40	10/31/19 20:30	2.89	14.2	1.8	211,640
CSO-18					*11,592,838*
1/19/19 19:50	1/20/19 6:40	1.29	12.3	5.8	314,747
1/24/19 2:30	1/24/19 14:10	1.30	13.9	9.5	358,508
2/7/19 22:50	2/8/19 2:40	0.67	7.8	3.0	136,769
2/20/19 10:30	2/20/19 13:50	0.77	10.5	2.5	108,162
2/24/19 4:30	2/24/19 6:00	0.46	7.1	1.0	45,019
3/1/19 2:20	3/1/19 3:20	0.29	4.3	0.3	7,613
3/3/19 18:20	3/3/19 22:30	0.58	7.3	2.7	73,280
3/10/19 1:00	3/10/19 5:30	0.79	6.8	4.0	217,979
3/21/19 8:00	3/22/19 2:50	2.40	20.4	17.8	853,446
4/12/19 19:00	4/13/19 1:50	1.84	9.0	6.0	879,573
4/14/19 18:10	4/15/19 3:10	1.04	5.5	4.5	326,570
4/19/19 15:00	4/19/19 22:40	0.73	4.8	2.2	191,698
4/26/19 14:00	4/26/19 16:20	0.86	7.3	1.5	270,345
5/3/19 21:10	5/3/19 22:20	0.30	3.9	0.7	21,096
5/5/19 15:30	5/5/19 18:40	1.00	17.1	2.8	88,426
5/12/19 2:30	5/12/19 12:20	1.56	15.1	7.3	446,682
5/13/19 9:40	5/13/19 14:20	0.71	5.8	3.8	173,831
5/18/19 23:20	5/19/19 0:40	0.37	0.9	0.8	91,767
5/19/19 19:30	5/20/19 0:10	0.60	4.8	2.3	90,392
5/28/19 5:30	5/28/19 6:00	0.18	0.9	0.3	7,631
5/28/19 16:20	5/29/19 0:50	0.85	5.8	3.7	174,443
5/29/19 16:10	5/29/19 18:20	0.72	2.1	1.5	320,735
5/30/19 14:40	5/30/19 15:40	0.30	1.6	0.7	49,547
6/1/19 21:30	6/1/19 23:40	0.39	3.9	1.0	44,586
6/10/19 23:30	6/11/19 0:30	0.34	5.2	0.7	14,156
6/13/19 3:00	6/13/19 6:10	0.62	8.9	0.5	14,003
6/18/19 3:40	6/18/19 4:20	0.20	1.9	0.2	3,389
6/19/19 18:30	6/19/19 19:10	0.27	2.3	0.3	11,788
6/20/19 11:20	6/20/19 12:30	0.57	3.6	0.7	90,690
6/25/19 1:10	6/25/19 4:30	0.47	3.0	2.2	82,718
6/29/19 13:30	6/29/19 20:20	0.25	1.3	0.2	2,214
7/6/19 17:10	7/6/19 20:00	0.99	3.1	2.2	451,950
7/7/19 21:30	7/8/19 8:20	1.02	8.3	5.2	303,187
7/16/19 16:50	7/16/19 18:40	0.37	2.0	1.0	65,728
8/1/19 15:20	8/1/19 16:50	0.50	1.2	0.8	145,684
8/6/19 13:40	8/6/19 15:10	0.39	1.1	0.8	85,481
8/7/19 11:30	8/7/19 13:50	0.42	1.6	1.2	95,798
8/16/19 14:00	8/16/19 16:10	1.36	1.4	1.3	760,045

CAPITAL REGION WATER
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
8/18/19 20:00	8/18/19 21:40	0.87	0.8	0.8	408,132
8/23/19 8:10	8/23/19 9:10	0.42	7.0	0.5	15,409
8/28/19 13:50	8/28/19 15:00	0.24	2.3	0.8	19,906
9/2/19 5:10	9/2/19 7:40	1.33	2.0	1.7	746,450
9/12/19 1:50	9/12/19 3:10	0.43	1.8	0.7	83,447
9/12/19 16:40	9/12/19 17:50	0.33	2.8	0.7	36,992
10/7/19 16:40	10/7/19 20:50	0.59	11.7	2.0	60,590
10/16/19 11:30	10/16/19 16:30	1.12	6.4	4.3	466,240
10/22/19 14:20	10/22/19 17:00	0.48	4.0	1.8	96,842
10/27/19 4:50	10/27/19 9:50	1.13	6.8	4.0	445,593
10/30/19 20:10	10/31/19 21:30	2.89	14.3	8.2	1,480,338
11/23/19 22:30	11/24/19 4:20	1.01	12.8	3.7	147,816
12/9/19 14:20	12/9/19 16:10	0.38	7.3	0.5	13,963
12/14/19 0:40	12/14/19 14:00	0.69	6.4	1.8	83,813
12/16/19 22:40	12/17/19 1:20	0.59	9.8	2.0	58,326
12/30/19 6:50	12/30/19 7:30	0.23	0.0	0.3	9,308
CSO-19					*6,686,795*
1/19/19 19:50	1/20/19 5:10	1.28	12.7	7.8	161,298
1/24/19 2:40	1/24/19 13:50	1.29	14.2	8.8	166,849
2/7/19 23:00	2/8/19 2:30	0.67	7.8	2.7	81,672
2/20/19 10:30	2/20/19 13:20	0.76	11.0	2.8	61,524
2/24/19 4:40	2/24/19 5:50	0.46	7.6	1.2	27,103
3/1/19 2:20	3/1/19 3:10	0.28	4.5	0.8	10,338
3/2/19 2:20	3/2/19 3:10	0.25	3.9	0.8	6,845
3/3/19 18:20	3/3/19 22:20	0.58	7.6	4.0	43,953
3/10/19 1:00	3/10/19 5:10	0.78	6.9	4.2	117,647
3/21/19 8:00	3/22/19 2:20	2.39	20.8	14.2	380,940
4/12/19 19:00	4/13/19 1:40	1.79	9.1	5.0	425,173
4/14/19 18:10	4/15/19 2:40	1.06	5.5	4.2	184,599
4/19/19 14:50	4/19/19 22:10	0.73	4.8	2.3	120,910
4/26/19 14:10	4/26/19 15:50	0.89	7.3	1.7	161,704
5/3/19 21:10	5/3/19 22:10	0.31	4.0	1.0	19,305
5/5/19 15:30	5/5/19 18:30	0.99	17.9	3.0	43,419
5/12/19 2:30	5/12/19 12:00	1.53	15.8	7.3	201,715
5/13/19 9:40	5/13/19 14:00	0.72	5.9	4.3	98,478
5/18/19 23:20	5/19/19 0:20	0.35	0.9	1.0	69,013
5/19/19 19:30	5/19/19 23:50	0.55	4.9	2.0	41,451
5/28/19 5:30	5/28/19 6:00	0.20	0.9	0.5	15,623
5/28/19 16:20	5/29/19 0:30	0.82	5.9	3.0	102,202
5/29/19 16:10	5/29/19 17:50	0.70	2.1	1.7	175,414
5/30/19 14:30	5/30/19 15:30	0.31	1.6	1.0	47,571
6/1/19 21:30	6/1/19 23:20	0.40	3.9	1.8	38,013
6/10/19 23:30	6/11/19 0:20	0.34	6.0	0.8	14,927
6/13/19 3:00	6/13/19 4:00	0.63	9.3	1.0	15,029
6/18/19 3:30	6/18/19 4:10	0.21	1.9	0.7	10,542
6/19/19 18:30	6/19/19 19:10	0.34	2.4	0.7	31,484
6/20/19 11:20	6/20/19 12:10	0.46	3.8	0.8	34,480
6/25/19 1:10	6/25/19 4:10	0.45	3.0	1.8	48,005
6/29/19 13:30	6/29/19 20:20	0.28	1.4	0.8	13,876
7/6/19 17:20	7/6/19 19:30	0.92	3.1	2.2	226,124
7/7/19 21:20	7/8/19 8:00	0.98	8.3	4.0	141,903
7/16/19 16:50	7/16/19 18:20	0.35	2.0	1.5	46,578
7/17/19 17:10	7/17/19 17:20	0.22	2.5	0.2	2,390

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
7/22/19 18:30	7/22/19 19:40	0.47	7.2	1.2	10,572
8/1/19 15:10	8/1/19 16:30	0.55	1.3	1.3	131,445
8/6/19 13:50	8/6/19 14:40	0.28	1.1	0.8	36,969
8/7/19 11:30	8/7/19 13:50	0.50	1.8	1.7	85,179
8/16/19 14:00	8/16/19 15:40	1.54	1.4	1.7	499,004
8/18/19 20:00	8/18/19 21:10	0.96	0.8	1.2	292,324
8/22/19 23:00	8/23/19 8:50	0.40	7.1	0.8	12,351
8/28/19 13:50	8/28/19 14:50	0.26	2.4	1.0	27,858
9/2/19 5:10	9/2/19 7:00	1.35	2.1	1.8	410,366
9/4/19 14:10	9/4/19 14:30	0.14	0.5	0.3	5,173
9/12/19 1:50	9/12/19 2:50	0.41	1.8	1.0	55,521
9/12/19 16:20	9/12/19 17:30	0.31	2.8	1.0	28,849
10/6/19 14:30	10/6/19 14:50	0.26	2.8	0.3	4,506
10/7/19 16:50	10/7/19 20:20	0.57	12.0	1.8	32,318
10/16/19 11:30	10/16/19 16:10	1.11	6.4	4.7	241,531
10/22/19 14:20	10/22/19 16:20	0.47	4.1	2.0	67,978
10/27/19 4:50	10/27/19 9:10	1.11	7.0	4.3	234,197
10/30/19 20:10	10/31/19 21:20	2.87	14.3	7.8	947,607
11/23/19 23:00	11/24/19 3:20	1.02	13.0	3.2	80,190
12/9/19 15:10	12/9/19 15:50	0.37	7.3	0.7	8,181
12/14/19 1:40	12/14/19 13:50	0.69	6.4	2.5	50,101
12/16/19 22:50	12/17/19 1:00	0.59	9.9	2.2	28,722
12/30/19 6:50	12/30/19 7:30	0.23	0.0	0.5	7,758
CSO-20					*113,152*
2/8/19 0:40	2/8/19 0:50	0.68	7.0	0.2	151
3/21/19 20:30	3/21/19 20:40	2.39	20.6	0.2	184
4/12/19 19:10	4/12/19 23:30	1.65	8.3	1.2	4,023
4/15/19 0:20	4/15/19 0:30	1.07	5.3	0.2	1,090
4/19/19 21:00	4/19/19 21:30	0.73	4.5	0.5	742
4/26/19 14:30	4/26/19 14:50	0.83	6.8	0.3	2,184
5/18/19 23:20	5/18/19 23:40	0.32	0.9	0.3	543
5/28/19 5:30	5/28/19 5:40	0.23	0.9	0.2	240
5/28/19 16:20	5/28/19 16:30	0.79	5.8	0.2	1,300
5/29/19 16:40	5/29/19 17:00	0.66	2.1	0.3	2,515
6/19/19 18:20	6/19/19 18:40	0.38	2.1	0.2	556
6/29/19 13:30	6/29/19 13:40	0.30	1.2	0.2	253
7/6/19 17:20	7/6/19 18:00	0.87	2.9	0.5	2,920
7/8/19 4:40	7/8/19 4:50	0.95	7.4	0.2	387
7/16/19 17:00	7/16/19 17:10	0.35	2.0	0.2	313
8/1/19 15:10	8/1/19 15:40	0.59	1.1	0.5	2,578
8/7/19 11:30	8/7/19 12:00	0.56	1.8	0.3	1,004
8/16/19 14:00	8/16/19 15:10	1.63	1.4	1.2	23,433
8/18/19 20:00	8/18/19 20:40	0.99	0.8	0.7	11,695
9/2/19 5:10	9/2/19 6:20	1.36	2.0	1.2	10,261
9/12/19 2:00	9/12/19 2:10	0.37	1.6	0.2	646
10/16/19 13:40	10/16/19 13:50	1.10	6.3	0.2	140
10/27/19 8:10	10/27/19 8:30	1.10	6.8	0.3	1,067
10/31/19 18:40	10/31/19 20:40	2.83	12.4	2.0	44,926
CSO-21					*26,025,110*
1/4/19 22:20	1/5/19 13:30	0.34	4.8	12.8	170,716
1/8/19 20:30	1/9/19 3:00	0.16	2.9	4.5	50,401
1/19/19 19:20	1/20/19 22:30	1.29	12.7	26.2	874,116
1/24/19 2:20	1/25/19 2:20	1.30	14.0	22.5	1,144,063

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
2/7/19 22:50	2/8/19 18:30	0.70	7.7	17.7	463,372
2/12/19 8:30	2/13/19 2:00	0.65	14.3	10.0	124,929
2/20/19 10:20	2/21/19 2:00	0.79	10.5	9.3	250,660
2/24/19 3:30	2/24/19 21:00	0.45	6.7	16.2	247,731
3/1/19 2:00	3/1/19 7:20	0.28	4.3	2.8	66,403
3/2/19 1:30	3/2/19 6:10	0.26	3.5	2.2	56,145
3/3/19 17:30	3/4/19 3:00	0.58	7.5	6.2	197,873
3/9/19 23:50	3/10/19 19:40	0.83	6.8	19.2	632,792
3/21/19 8:00	3/22/19 17:00	2.45	20.3	32.8	2,068,378
3/25/19 15:10	3/25/19 20:50	0.21	4.1	2.0	36,772
4/12/19 17:30	4/13/19 16:40	1.60	9.0	18.5	1,148,484
4/14/19 18:00	4/15/19 15:30	1.03	5.3	19.7	822,259
4/19/19 14:50	4/20/19 5:50	0.82	4.9	9.8	488,560
4/26/19 7:20	4/26/19 23:00	0.47	6.8	7.8	222,066
5/3/19 20:30	5/4/19 2:40	0.28	4.2	2.2	56,102
5/4/19 20:30	5/6/19 3:40	1.10	17.8	20.5	471,086
5/10/19 14:10	5/11/19 1:40	0.24	1.2	3.5	63,445
5/12/19 0:40	5/13/19 8:10	1.65	15.0	30.3	1,324,542
5/13/19 8:00	5/14/19 2:20	0.66	5.7	18.3	612,941
5/18/19 23:40	5/19/19 3:30	0.15	0.9	0.8	14,983
5/19/19 18:10	5/20/19 13:00	1.17	4.3	15.2	849,572
5/28/19 5:30	5/28/19 12:50	0.15	0.8	1.2	18,774
5/28/19 12:50	5/29/19 8:50	0.65	6.0	12.2	268,033
5/29/19 14:50	5/29/19 23:10	0.51	2.0	3.7	288,820
5/30/19 14:20	5/30/19 22:30	0.31	1.5	3.5	141,331
6/1/19 21:00	6/2/19 3:50	0.34	3.9	4.0	147,206
6/2/19 17:40	6/2/19 22:40	0.19	0.7	1.3	42,533
6/10/19 23:30	6/11/19 3:50	0.28	4.5	1.7	31,139
6/13/19 2:30	6/13/19 22:40	0.59	8.3	9.0	155,728
6/18/19 2:50	6/18/19 11:50	0.22	2.2	2.8	54,430
6/20/19 1:30	6/20/19 3:20	0.14	1.5	0.5	2,711
6/20/19 11:20	6/21/19 1:20	0.51	3.1	5.0	197,790
6/25/19 1:10	6/25/19 12:20	0.49	2.8	5.0	201,550
6/29/19 13:30	6/29/19 20:50	0.16	1.2	0.7	5,254
7/4/19 10:00	7/5/19 0:20	0.02	0.8	9.3	21,693
7/5/19 9:50	7/6/19 9:50	0.13	4.2	13.5	147,298
7/6/19 16:50	7/7/19 8:20	1.31	2.8	15.3	1,083,041
7/7/19 14:00	7/8/19 20:10	1.08	7.4	30.0	1,099,844
7/11/19 3:30	7/12/19 3:20	0.11	1.7	12.8	136,738
7/16/19 15:40	7/17/19 9:40	0.47	2.7	11.2	340,697
7/17/19 12:50	7/18/19 16:40	0.25	2.6	19.8	225,320
7/21/19 21:00	7/22/19 11:30	0.09	2.1	7.2	22,795
7/22/19 11:30	7/23/19 17:20	0.40	5.2	27.0	313,440
7/28/19 15:10	7/29/19 5:50	0.04	0.9	11.3	35,962
7/30/19 15:50	7/31/19 10:40	0.17	0.4	14.2	108,382
8/1/19 15:50	8/1/19 20:10	0.12	0.8	1.3	13,053
8/6/19 13:30	8/6/19 21:40	0.91	1.3	4.7	561,250
8/6/19 22:00	8/7/19 1:20	0.16	0.4	2.5	49,031
8/7/19 11:50	8/7/19 18:00	0.21	0.9	4.3	65,081
8/16/19 13:50	8/16/19 22:00	0.69	1.6	4.7	415,490
8/18/19 20:10	8/18/19 21:50	0.10	0.7	0.3	1,592
8/22/19 23:10	8/23/19 11:30	0.39	7.0	3.2	57,067
8/28/19 14:00	8/28/19 17:10	0.17	2.3	2.2	20,944

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/2/19 5:10	9/2/19 15:20	0.86	1.8	5.5	537,120
9/12/19 0:40	9/12/19 4:00	0.28	2.2	2.5	74,209
9/12/19 16:10	9/13/19 2:10	0.38	2.6	4.0	102,906
10/7/19 15:40	10/8/19 8:30	0.71	12.0	15.0	287,297
10/16/19 11:30	10/17/19 4:30	1.13	6.3	14.8	696,866
10/20/19 10:50	10/20/19 15:20	0.23	5.9	1.8	15,809
10/22/19 14:20	10/23/19 1:20	0.54	4.2	9.5	261,790
10/27/19 5:00	10/27/19 21:00	1.15	6.8	14.2	774,652
10/30/19 19:40	11/1/19 11:20	2.93	15.1	34.8	3,342,249
11/7/19 13:20	11/8/19 2:50	0.39	7.3	4.5	73,485
11/23/19 18:20	11/24/19 11:30	0.98	11.5	11.5	345,274
12/1/19 11:20	12/1/19 22:40	0.48	7.3	5.7	56,588
12/9/19 13:40	12/9/19 21:00	0.42	7.2	5.3	116,657
12/13/19 23:40	12/15/19 3:00	0.69	7.2	11.8	293,198
12/16/19 21:10	12/17/19 21:30	0.57	10.2	19.7	204,627
12/30/19 6:50	12/30/19 15:20	0.26	0.0	7.3	109,978
CSO-22					*886,626*
1/19/19 22:00	1/20/19 1:30	1.29	12.7	2.3	21,178
2/20/19 12:10	2/20/19 13:30	0.79	10.5	1.0	2,505
3/21/19 9:30	3/22/19 7:20	2.45	20.3	6.2	75,916
4/12/19 19:10	4/13/19 4:10	1.61	8.8	4.0	92,754
4/19/19 20:40	4/19/19 23:20	0.81	4.8	0.8	19,676
5/12/19 6:30	5/12/19 16:50	1.65	15.0	2.5	39,520
5/19/19 19:40	5/20/19 2:00	1.13	4.3	0.3	13,067
5/29/19 16:50	5/29/19 19:20	0.53	2.0	0.3	12,917
6/20/19 11:30	6/20/19 13:10	0.56	3.1	0.2	2,442
7/6/19 17:10	7/6/19 22:20	1.28	2.8	3.0	84,984
7/8/19 4:30	7/8/19 8:40	1.07	7.4	0.5	7,503
7/16/19 17:00	7/16/19 18:40	0.48	2.6	0.7	12,303
8/6/19 13:40	8/6/19 16:50	0.90	1.2	1.5	57,368
8/16/19 14:10	8/16/19 18:10	0.72	1.5	0.8	22,899
9/2/19 5:20	9/2/19 9:50	0.91	1.8	1.2	39,882
9/12/19 2:10	9/12/19 2:30	0.32	1.9	0.2	510
10/16/19 12:20	10/16/19 18:30	1.14	6.3	2.5	39,355
10/27/19 5:40	10/27/19 13:00	1.13	6.7	1.0	34,469
10/30/19 21:20	11/1/19 3:50	2.92	14.1	6.8	307,377
CSO-23					*903,857*
1/24/19 9:20	1/24/19 9:30	1.30	14.3	0.2	184
2/8/19 0:40	2/8/19 1:10	0.70	7.7	0.5	3,591
3/10/19 2:10	3/10/19 3:50	0.81	7.0	0.5	1,475
3/21/19 9:20	3/21/19 22:10	2.43	20.7	2.0	28,253
4/12/19 19:00	4/13/19 1:10	1.68	8.8	3.5	96,887
4/14/19 20:00	4/15/19 2:20	0.94	5.4	1.2	12,960
4/19/19 20:30	4/19/19 21:50	0.75	5.0	1.2	15,726
4/26/19 14:30	4/26/19 14:50	0.58	7.3	0.3	4,703
5/12/19 5:50	5/12/19 11:50	1.61	15.8	2.0	18,056
5/13/19 9:50	5/13/19 10:30	0.69	5.8	0.3	532
5/18/19 23:20	5/18/19 23:40	0.28	0.9	0.3	5,709
5/19/19 18:10	5/19/19 23:20	0.85	4.8	0.8	16,801
5/28/19 5:30	5/28/19 5:40	0.17	0.8	0.2	424
5/28/19 16:20	5/29/19 4:10	0.76	6.3	0.3	4,542
5/29/19 16:40	5/29/19 17:30	0.60	2.2	0.8	26,254
5/30/19 14:30	5/30/19 15:00	0.34	1.7	0.5	5,031

CAPITAL REGION WATER
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/20/19 11:20	6/20/19 12:10	0.83	3.5	0.8	50,550
6/25/19 1:40	6/25/19 4:00	0.53	3.0	0.2	5,440
7/6/19 17:10	7/6/19 19:30	1.14	2.8	2.2	96,528
7/7/19 21:20	7/8/19 6:50	1.11	7.9	1.5	20,995
7/16/19 16:50	7/16/19 17:10	0.49	2.3	0.3	15,453
8/1/19 15:30	8/1/19 16:00	0.45	1.1	0.5	12,541
8/6/19 13:30	8/6/19 14:30	0.69	1.2	1.0	29,448
8/7/19 11:40	8/7/19 12:00	0.24	1.4	0.3	2,424
8/16/19 14:00	8/16/19 15:20	0.85	1.5	1.2	57,103
8/18/19 20:00	8/18/19 20:20	0.32	0.8	0.3	8,513
8/23/19 8:10	8/23/19 8:20	0.44	7.0	0.2	841
9/2/19 5:10	9/2/19 7:10	1.16	1.8	1.8	103,629
9/12/19 1:50	9/12/19 2:10	0.42	2.0	0.3	9,036
9/12/19 16:40	9/12/19 17:00	0.37	2.4	0.3	5,861
10/7/19 16:40	10/7/19 19:10	0.66	12.1	0.5	1,659
10/16/19 11:40	10/16/19 15:40	1.16	6.4	2.8	35,344
10/22/19 14:20	10/22/19 14:40	0.51	4.0	0.3	4,422
10/27/19 5:10	10/27/19 9:10	1.13	6.8	2.0	40,978
10/30/19 21:00	10/31/19 21:10	2.86	14.4	2.3	161,051
11/24/19 1:40	11/24/19 1:50	0.98	12.4	0.2	372
12/14/19 11:50	12/14/19 12:00	0.71	6.5	0.2	329
12/30/19 7:00	12/30/19 7:10	0.24	0.0	0.2	210
CSO-24					*11,808,980*
1/19/19 19:40	1/20/19 7:10	1.28	12.7	3.8	322,872
1/24/19 2:20	1/24/19 14:50	1.30	14.2	3.2	153,436
2/7/19 22:50	2/8/19 6:30	0.70	7.7	1.8	199,029
2/12/19 9:20	2/12/19 16:00	0.66	14.5	0.3	13,723
2/20/19 10:20	2/20/19 23:10	0.77	10.8	2.3	215,011
2/24/19 3:30	2/24/19 7:30	0.46	7.1	0.8	75,094
3/1/19 2:10	3/1/19 4:20	0.28	4.4	0.2	2,949
3/2/19 1:40	3/2/19 3:40	0.25	3.5	0.3	3,578
3/3/19 18:00	3/3/19 22:40	0.58	7.5	1.8	201,165
3/10/19 0:50	3/10/19 6:10	0.81	6.9	2.3	199,117
3/21/19 7:50	3/22/19 3:30	2.44	20.3	7.3	579,910
3/25/19 15:50	3/25/19 16:40	0.20	4.1	0.2	3,896
4/12/19 17:40	4/13/19 2:30	1.66	9.5	2.8	735,144
4/14/19 18:10	4/15/19 3:40	0.96	5.5	2.5	295,982
4/19/19 14:50	4/19/19 23:10	0.76	5.0	1.8	262,903
4/26/19 7:20	4/26/19 16:50	0.55	7.5	1.0	59,779
5/3/19 21:10	5/3/19 22:30	0.29	4.2	0.3	13,561
5/4/19 20:30	5/5/19 19:20	1.06	18.2	1.2	84,078
5/12/19 0:50	5/12/19 14:40	1.63	15.2	4.8	350,538
5/13/19 9:40	5/13/19 14:50	0.68	5.8	2.0	70,569
5/18/19 23:20	5/19/19 0:40	0.25	1.0	0.5	64,746
5/19/19 18:10	5/20/19 1:20	0.93	4.8	2.0	233,779
5/26/19 12:40	5/26/19 13:10	0.13	0.8	0.2	1,727
5/28/19 5:30	5/28/19 6:10	0.17	0.8	0.3	15,933
5/28/19 16:20	5/29/19 5:10	0.75	6.3	1.7	185,030
5/29/19 16:10	5/29/19 18:50	0.59	2.2	1.2	235,222
5/30/19 14:20	5/30/19 16:00	0.33	1.7	0.7	110,619
6/1/19 21:10	6/1/19 23:50	0.36	4.0	0.3	31,458
6/10/19 23:30	6/11/19 0:30	0.29	4.7	0.5	28,788
6/13/19 2:40	6/13/19 13:00	0.61	8.7	1.2	41,999

CAPITAL REGION WATER
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/18/19 3:40	6/18/19 4:30	0.20	2.3	0.5	16,678
6/20/19 11:20	6/20/19 13:20	0.75	3.7	1.0	302,703
6/25/19 1:10	6/25/19 5:20	0.52	3.1	1.8	176,772
6/29/19 13:30	6/29/19 13:40	0.18	1.3	0.2	1,076
7/6/19 17:10	7/6/19 20:30	1.18	3.0	2.2	666,207
7/7/19 21:20	7/8/19 8:40	1.10	8.1	1.8	268,504
7/16/19 16:50	7/16/19 19:00	0.48	2.8	1.2	245,638
7/22/19 18:30	7/22/19 20:10	0.35	6.3	0.3	7,694
8/1/19 15:30	8/1/19 17:20	0.37	1.1	1.0	119,315
8/6/19 13:30	8/6/19 15:50	0.75	1.3	1.0	397,752
8/6/19 22:10	8/6/19 22:50	0.13	0.4	0.2	9,089
8/7/19 11:40	8/7/19 12:50	0.23	1.3	0.3	7,097
8/16/19 14:00	8/16/19 16:30	0.82	1.5	1.3	452,453
8/18/19 20:00	8/18/19 21:30	0.28	1.0	1.0	75,094
8/22/19 23:00	8/23/19 9:40	0.43	7.3	0.8	44,525
8/28/19 14:00	8/28/19 15:00	0.19	2.8	0.5	5,419
9/2/19 5:10	9/2/19 8:00	1.10	1.8	1.7	664,022
9/12/19 0:40	9/12/19 3:10	0.39	2.1	1.3	147,689
9/12/19 16:40	9/13/19 0:50	0.38	2.6	1.8	106,319
10/7/19 15:40	10/7/19 21:30	0.67	11.8	0.7	49,758
10/16/19 11:30	10/16/19 17:10	1.15	6.4	3.7	523,845
10/22/19 14:20	10/22/19 17:40	0.52	4.0	1.3	119,594
10/27/19 4:50	10/27/19 10:20	1.13	7.3	2.8	434,324
10/30/19 19:50	11/1/19 1:00	2.88	14.7	4.8	1,989,159
11/23/19 18:30	11/24/19 8:40	0.99	12.4	1.5	85,600
12/9/19 13:50	12/9/19 16:30	0.41	7.4	0.2	2,665
12/13/19 23:30	12/14/19 14:50	0.70	7.3	1.3	71,684
12/16/19 22:30	12/17/19 1:50	0.58	10.7	0.3	18,668
CSO-25					*805,051*
3/21/19 20:30	3/22/19 17:00	2.43	20.2	11.2	79,863
4/12/19 19:10	4/13/19 7:20	1.70	8.7	5.8	119,860
4/19/19 21:10	4/20/19 2:20	0.74	4.7	0.5	1,503
5/29/19 16:40	5/29/19 20:50	0.61	2.2	2.3	19,543
6/20/19 11:20	6/20/19 16:00	0.85	3.3	2.3	42,664
7/6/19 17:10	7/6/19 23:50	1.13	2.8	4.5	64,034
7/7/19 21:30	7/8/19 12:50	1.11	7.4	4.2	33,868
8/1/19 15:40	8/1/19 17:50	0.47	1.1	0.3	4,517
8/6/19 13:30	8/6/19 18:30	0.67	1.2	3.0	32,917
8/16/19 14:10	8/16/19 19:20	0.86	1.4	1.8	37,772
9/2/19 5:10	9/2/19 10:40	1.18	1.8	3.3	47,381
9/12/19 2:00	9/12/19 2:20	0.42	1.8	0.2	3,075
9/12/19 16:50	9/12/19 17:00	0.38	2.3	0.2	384
10/16/19 13:50	10/16/19 20:40	1.16	6.4	2.2	21,188
10/27/19 8:10	10/27/19 16:30	1.13	6.8	3.0	29,338
10/31/19 18:40	11/1/19 11:20	2.86	13.8	12.5	267,145
CSO-26					*12,701,860*
1/4/19 23:40	1/4/19 23:50	0.25	4.5	0.2	1,863
1/8/19 20:30	1/8/19 21:00	0.15	2.9	0.5	8,797
1/19/19 19:30	1/20/19 7:50	1.27	12.9	11.8	362,135
1/24/19 2:20	1/24/19 16:00	1.30	14.3	13.2	441,106
2/7/19 22:40	2/8/19 7:30	0.69	7.6	5.5	172,333
2/12/19 9:20	2/12/19 15:40	0.65	14.4	4.5	58,503
2/20/19 10:20	2/20/19 23:00	0.76	10.6	7.2	160,770

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
2/24/19 3:20	2/24/19 8:40	0.47	7.3	4.8	92,172
3/1/19 2:10	3/1/19 3:20	0.28	4.3	1.2	30,290
3/2/19 1:50	3/2/19 3:20	0.25	3.6	1.5	33,322
3/3/19 17:50	3/3/19 22:20	0.58	7.6	4.5	121,572
3/10/19 0:50	3/10/19 6:30	0.81	7.0	5.2	232,744
3/21/19 7:50	3/22/19 4:30	2.43	20.8	19.8	957,303
3/25/19 15:50	3/25/19 16:20	0.20	3.9	0.5	10,739
4/12/19 19:00	4/13/19 3:10	1.72	8.8	7.8	938,326
4/14/19 18:10	4/15/19 4:10	0.94	5.4	5.8	276,031
4/19/19 14:50	4/19/19 23:10	0.73	4.9	3.8	214,258
4/26/19 7:20	4/26/19 17:20	0.65	7.3	4.0	150,719
5/3/19 21:10	5/3/19 22:10	0.29	4.1	1.0	35,647
5/5/19 1:10	5/5/19 20:30	1.03	17.7	8.5	150,561
5/10/19 19:10	5/10/19 20:10	0.19	1.2	0.7	7,486
5/12/19 0:50	5/12/19 15:10	1.60	15.7	13.2	550,426
5/13/19 9:40	5/13/19 15:20	0.69	5.8	5.3	203,926
5/18/19 23:20	5/19/19 0:30	0.36	0.9	1.2	129,131
5/19/19 18:10	5/20/19 1:20	0.77	4.8	5.8	201,061
5/26/19 12:40	5/26/19 13:20	0.17	0.7	0.7	24,802
5/28/19 5:30	5/28/19 6:00	0.16	0.8	0.5	15,439
5/28/19 16:20	5/29/19 4:50	0.79	6.3	5.3	179,390
5/29/19 16:10	5/29/19 19:00	0.61	2.2	2.3	236,369
5/30/19 14:20	5/30/19 16:10	0.36	1.6	1.5	86,193
6/1/19 21:10	6/2/19 0:00	0.37	4.0	2.5	72,621
6/10/19 23:30	6/11/19 0:20	0.29	5.3	0.8	17,473
6/13/19 2:40	6/13/19 12:40	0.62	9.0	4.8	86,958
6/18/19 3:40	6/18/19 4:20	0.19	2.1	0.7	15,959
6/19/19 18:40	6/19/19 18:50	0.20	2.5	0.2	2,635
6/20/19 11:20	6/20/19 14:00	0.81	3.5	2.2	303,658
6/25/19 1:10	6/25/19 5:10	0.50	3.0	3.0	115,735
6/29/19 13:30	6/29/19 13:50	0.18	1.2	0.3	6,837
7/6/19 17:10	7/6/19 21:10	1.09	2.8	3.7	647,187
7/7/19 21:20	7/8/19 8:50	1.18	7.9	6.7	391,234
7/16/19 16:50	7/16/19 19:10	0.47	2.3	2.0	140,087
7/17/19 17:10	7/17/19 21:30	0.25	2.3	0.8	10,480
7/22/19 18:30	7/22/19 20:40	0.36	6.3	1.8	28,217
8/1/19 15:30	8/1/19 17:20	0.56	1.1	1.5	180,213
8/6/19 13:30	8/6/19 15:50	0.60	1.2	1.5	184,794
8/6/19 22:10	8/6/19 22:30	0.11	0.4	0.3	7,546
8/7/19 11:40	8/7/19 12:40	0.28	1.3	1.0	52,876
8/16/19 14:00	8/16/19 17:10	0.93	1.5	3.0	473,822
8/18/19 20:00	8/18/19 21:30	0.42	0.8	1.5	127,139
8/22/19 22:50	8/23/19 9:10	0.45	6.9	2.3	49,996
8/28/19 13:50	8/28/19 14:50	0.20	2.3	1.0	25,060
9/2/19 5:10	9/2/19 9:10	1.21	1.8	3.7	677,123
9/12/19 0:40	9/12/19 2:50	0.43	1.8	2.2	107,347
9/12/19 16:40	9/12/19 17:40	0.37	2.4	1.0	71,578
10/6/19 12:50	10/6/19 14:50	0.21	2.8	1.3	10,385
10/7/19 16:30	10/7/19 21:30	0.63	11.8	3.5	103,583
10/16/19 11:30	10/16/19 17:30	1.14	6.4	5.3	475,202
10/20/19 10:30	10/20/19 10:50	0.25	6.8	0.3	4,726
10/22/19 14:20	10/22/19 17:50	0.51	4.0	3.2	130,684
10/27/19 4:40	10/27/19 11:00	1.12	6.8	5.8	461,355

CAPITAL REGION WATER
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
10/30/19 19:50	11/1/19 1:50	2.87	13.9	15.3	1,139,085
11/7/19 15:30	11/7/19 18:40	0.38	7.5	2.7	24,964
11/23/19 18:30	11/24/19 9:20	0.98	12.2	10.0	199,451
12/1/19 11:20	12/1/19 18:00	0.47	7.1	2.8	23,204
12/9/19 13:50	12/9/19 16:50	0.40	7.3	2.5	54,112
12/13/19 23:30	12/14/19 15:20	0.71	6.5	7.3	161,789
12/16/19 21:40	12/17/19 8:00	0.58	10.1	4.5	81,287
12/30/19 6:40	12/30/19 11:00	0.24	0.0	1.5	32,044
CSO-27					*2,391,834*
1/8/19 20:30	1/8/19 21:10	0.15	2.8	0.3	1,257
1/19/19 21:10	1/20/19 6:50	1.27	12.7	4.0	43,617
1/24/19 2:30	1/24/19 17:10	1.30	13.9	8.0	80,890
2/7/19 22:50	2/8/19 4:20	0.70	7.5	1.8	27,042
2/12/19 13:10	2/12/19 15:50	0.66	14.3	1.0	3,465
2/20/19 10:30	2/20/19 12:20	0.77	10.5	1.8	21,587
2/24/19 3:30	2/24/19 6:10	0.47	7.0	1.2	10,334
3/1/19 2:20	3/1/19 2:30	0.28	4.2	0.2	1,570
3/3/19 21:30	3/3/19 21:50	0.58	7.5	0.3	2,637
3/10/19 1:00	3/10/19 6:30	0.81	6.9	2.8	37,111
3/21/19 8:00	3/22/19 4:40	2.43	20.2	12.7	188,582
3/25/19 15:50	3/25/19 16:30	0.20	3.9	0.3	1,515
4/12/19 19:00	4/13/19 3:00	1.70	8.7	6.3	162,788
4/14/19 18:10	4/15/19 3:50	0.94	5.3	2.3	45,680
4/19/19 15:10	4/19/19 22:30	0.74	4.7	1.7	43,085
4/26/19 14:00	4/26/19 17:20	0.59	7.0	1.2	21,635
5/3/19 21:20	5/3/19 22:10	0.29	3.9	0.7	6,194
5/5/19 1:20	5/5/19 18:50	1.04	17.3	2.7	13,661
5/10/19 19:10	5/10/19 19:40	0.19	1.1	0.2	794
5/12/19 2:00	5/12/19 15:40	1.61	15.1	6.5	138,660
5/13/19 9:40	5/13/19 15:20	0.69	5.8	3.0	25,906
5/18/19 23:20	5/19/19 0:00	0.29	0.9	0.7	25,116
5/19/19 18:10	5/20/19 1:20	0.82	4.4	1.5	39,620
5/26/19 12:40	5/26/19 12:50	0.15	0.7	0.2	2,094
5/28/19 5:30	5/28/19 5:40	0.17	0.8	0.2	5,676
5/28/19 16:20	5/29/19 4:50	0.77	5.8	3.3	33,158
5/29/19 16:30	5/29/19 18:30	0.61	2.2	1.0	43,343
5/30/19 14:30	5/30/19 15:30	0.34	1.6	0.7	12,517
6/1/19 21:30	6/1/19 23:00	0.36	3.9	1.0	10,165
6/10/19 23:30	6/10/19 23:40	0.29	4.6	0.2	1,171
6/13/19 3:20	6/13/19 12:00	0.62	8.7	0.8	5,719
6/18/19 3:50	6/18/19 4:00	0.19	2.0	0.2	2,130
6/20/19 11:20	6/20/19 12:30	0.85	3.3	0.7	62,900
6/25/19 1:10	6/25/19 4:40	0.52	3.0	1.7	23,397
7/6/19 17:10	7/6/19 21:30	1.13	2.8	2.8	119,833
7/7/19 21:20	7/8/19 9:10	1.11	7.4	4.2	66,288
7/16/19 16:50	7/16/19 18:40	0.48	2.2	1.3	34,685
8/1/19 15:30	8/1/19 16:40	0.47	1.1	0.8	33,539
8/6/19 13:30	8/6/19 16:00	0.67	1.2	1.3	52,438
8/6/19 22:10	8/6/19 22:20	0.11	0.4	0.2	1,778
8/7/19 11:40	8/7/19 12:20	0.25	1.1	0.5	8,878
8/16/19 14:00	8/16/19 17:30	0.86	1.4	2.3	78,979
8/18/19 20:00	8/18/19 21:00	0.35	0.8	0.5	21,499
8/23/19 8:10	8/23/19 8:30	0.45	6.8	0.2	2,997

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/2/19 5:10	9/2/19 8:50	1.18	1.8	2.3	139,351
9/12/19 1:50	9/12/19 2:20	0.42	1.8	0.5	22,690
9/12/19 16:40	9/12/19 17:10	0.38	2.3	0.5	18,769
10/7/19 16:40	10/7/19 20:50	0.65	11.2	1.2	14,890
10/16/19 11:30	10/16/19 17:20	1.16	6.4	4.5	80,165
10/22/19 14:20	10/22/19 17:10	0.51	4.0	1.7	25,899
10/27/19 5:10	10/27/19 11:50	1.13	6.8	4.2	77,703
10/30/19 20:10	11/1/19 3:00	2.86	13.8	9.5	408,231
11/23/19 22:30	11/24/19 4:10	0.98	11.8	1.5	14,138
12/9/19 14:10	12/9/19 16:10	0.40	7.3	0.8	2,442
12/13/19 23:40	12/14/19 14:10	0.71	6.4	1.5	14,217
12/16/19 22:40	12/17/19 1:20	0.58	10.0	0.8	3,179
12/30/19 6:50	12/30/19 7:30	0.24	0.0	0.3	4,233
CSO-28					*12,349,951*
1/19/19 20:30	1/20/19 4:20	1.28	12.7	7.0	279,952
1/24/19 2:50	1/24/19 16:20	1.30	14.0	7.8	307,703
2/7/19 23:00	2/8/19 3:20	0.69	7.8	3.5	90,705
2/20/19 10:50	2/20/19 14:00	0.77	11.0	3.2	80,028
2/24/19 4:40	2/24/19 6:20	0.47	7.1	1.3	32,981
3/1/19 2:40	3/1/19 3:30	0.28	4.3	0.7	5,453
3/2/19 2:40	3/2/19 3:30	0.25	3.5	0.7	4,200
3/3/19 19:00	3/3/19 22:30	0.58	7.5	3.5	49,801
3/10/19 1:20	3/10/19 6:20	0.81	7.0	4.2	151,958
3/21/19 8:10	3/22/19 4:10	2.43	20.3	15.8	968,587
4/12/19 19:00	4/13/19 2:50	1.72	8.9	7.0	968,766
4/14/19 20:00	4/15/19 4:10	0.95	5.4	3.8	240,076
4/19/19 15:20	4/19/19 23:10	0.74	4.8	2.7	189,967
4/26/19 14:30	4/26/19 16:50	0.63	7.3	1.2	72,330
5/3/19 21:30	5/3/19 22:20	0.29	4.0	0.8	11,303
5/5/19 15:40	5/5/19 18:50	1.03	17.6	2.8	49,882
5/12/19 2:40	5/12/19 15:00	1.60	15.1	7.8	546,419
5/13/19 9:50	5/13/19 15:10	0.69	5.8	3.8	117,572
5/18/19 23:30	5/19/19 0:40	0.31	0.9	1.2	41,932
5/19/19 18:10	5/20/19 0:50	0.79	4.8	3.8	125,319
5/28/19 5:40	5/28/19 6:00	0.17	0.8	0.3	1,569
5/28/19 16:20	5/29/19 4:50	0.78	6.0	3.7	81,498
5/29/19 16:40	5/29/19 19:00	0.63	2.2	1.8	331,891
5/30/19 14:40	5/30/19 15:50	0.33	1.6	1.2	46,933
6/1/19 21:40	6/1/19 23:40	0.37	3.9	1.8	30,462
6/13/19 3:20	6/13/19 4:30	0.62	8.7	1.2	10,770
6/20/19 11:20	6/20/19 13:30	0.82	3.5	1.7	387,356
6/25/19 1:30	6/25/19 5:00	0.52	3.1	2.5	69,869
7/6/19 17:10	7/6/19 21:10	1.11	2.9	3.3	724,535
7/7/19 21:30	7/8/19 8:50	1.10	7.9	4.2	330,992
7/16/19 17:00	7/16/19 18:50	0.47	2.3	1.8	95,799
8/1/19 15:30	8/1/19 17:10	0.47	1.2	1.7	109,567
8/6/19 13:30	8/6/19 15:50	0.63	1.2	2.0	232,657
8/7/19 11:50	8/7/19 12:50	0.28	1.4	1.0	25,280
8/16/19 14:10	8/16/19 17:10	0.93	1.4	2.2	546,981
8/18/19 20:00	8/18/19 21:30	0.43	0.8	1.5	97,458
8/23/19 8:20	8/23/19 9:30	0.44	7.1	1.0	12,825
9/2/19 5:10	9/2/19 8:50	1.21	1.8	2.8	892,842
9/12/19 2:00	9/12/19 3:10	0.42	1.9	1.2	67,894

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/12/19 16:40	9/12/19 18:00	0.37	2.7	1.2	37,009
10/7/19 16:50	10/7/19 21:00	0.64	11.7	2.5	45,922
10/16/19 11:40	10/16/19 17:20	1.15	6.4	5.3	531,891
10/22/19 14:30	10/22/19 17:20	0.50	4.0	2.2	71,194
10/27/19 5:10	10/27/19 11:30	1.13	6.8	4.7	517,062
10/30/19 20:30	11/1/19 2:10	2.87	14.2	10.3	2,548,793
11/23/19 23:50	11/24/19 4:30	0.99	12.5	2.7	65,572
12/9/19 15:20	12/9/19 16:20	0.40	7.3	0.8	10,460
12/14/19 11:50	12/14/19 14:30	0.70	6.4	2.0	58,797
12/16/19 23:00	12/17/19 1:30	0.59	10.1	2.0	24,251
12/30/19 7:00	12/30/19 7:40	0.24	0.0	0.7	6,888
CSO-29					*11,981,374*
1/4/19 22:10	1/5/19 4:30	0.25	4.6	1.0	5,133
1/8/19 20:10	1/8/19 21:50	0.15	2.9	1.0	11,877
1/19/19 19:20	1/20/19 7:40	1.27	12.9	10.8	366,344
1/24/19 2:00	1/24/19 16:10	1.30	14.2	11.8	427,846
2/6/19 21:50	2/6/19 23:00	0.16	3.9	0.8	4,451
2/7/19 22:30	2/8/19 7:30	0.69	7.8	4.5	143,156
2/12/19 8:10	2/13/19 0:20	0.66	14.5	8.3	79,108
2/20/19 10:20	2/20/19 23:10	0.76	11.0	12.3	181,504
2/24/19 3:00	2/24/19 8:40	0.47	7.3	3.0	70,281
3/1/19 1:50	3/1/19 4:30	0.28	4.4	2.7	42,751
3/2/19 1:30	3/2/19 3:40	0.25	3.6	2.2	39,147
3/3/19 17:30	3/3/19 22:40	0.58	7.6	5.2	122,716
3/9/19 23:50	3/10/19 6:20	0.81	7.0	6.0	237,310
3/21/19 7:50	3/22/19 3:50	2.43	20.8	19.2	1,029,074
3/25/19 15:20	3/25/19 17:20	0.20	3.9	1.5	15,893
4/12/19 17:30	4/13/19 2:50	1.71	8.9	8.7	913,494
4/14/19 18:00	4/15/19 3:50	0.94	5.5	5.5	281,343
4/19/19 14:40	4/19/19 23:10	0.73	4.9	4.2	241,384
4/26/19 7:10	4/26/19 17:00	0.64	7.6	4.0	149,179
5/3/19 20:40	5/3/19 22:50	0.29	4.0	1.8	40,364
5/4/19 20:30	5/5/19 20:20	1.03	17.8	12.2	147,137
5/10/19 19:10	5/10/19 20:10	0.19	1.2	0.3	4,951
5/12/19 0:40	5/12/19 15:10	1.60	15.8	11.7	586,078
5/13/19 8:40	5/13/19 15:00	0.69	5.8	5.0	176,590
5/18/19 23:20	5/19/19 1:00	0.36	0.9	1.5	96,719
5/19/19 18:10	5/20/19 1:00	0.78	4.9	4.2	174,386
5/26/19 12:40	5/26/19 13:30	0.17	0.8	0.8	18,890
5/28/19 5:20	5/28/19 6:10	0.16	0.9	0.8	19,859
5/28/19 16:20	5/29/19 5:20	0.78	6.1	6.8	167,314
5/29/19 16:00	5/29/19 18:50	0.61	2.2	2.5	246,521
5/30/19 14:10	5/30/19 16:10	0.35	1.6	1.5	79,794
6/1/19 21:00	6/2/19 0:00	0.37	4.0	2.5	73,420
6/10/19 23:30	6/11/19 0:30	0.29	5.4	0.8	14,566
6/13/19 2:30	6/13/19 12:50	0.62	9.1	5.2	105,385
6/16/19 22:40	6/16/19 23:00	0.17	3.4	0.2	825
6/18/19 3:40	6/18/19 4:30	0.19	2.1	0.8	14,704
6/19/19 18:30	6/19/19 19:10	0.20	2.6	0.7	6,778
6/20/19 11:20	6/20/19 15:20	0.82	3.7	1.8	248,913
6/25/19 1:00	6/25/19 5:10	0.50	3.1	3.2	98,101
6/29/19 13:30	6/29/19 14:00	0.18	1.2	0.5	8,463
7/6/19 17:10	7/6/19 20:50	1.09	3.0	3.3	531,292

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
7/7/19 21:20	7/8/19 8:50	1.17	8.3	6.7	412,414
7/11/19 3:40	7/11/19 4:00	0.16	2.1	0.3	2,611
7/16/19 16:50	7/16/19 19:10	0.47	2.3	1.8	134,276
7/17/19 16:10	7/17/19 21:50	0.25	2.4	2.8	18,207
7/22/19 18:30	7/23/19 2:10	0.36	6.6	2.7	32,712
8/1/19 15:30	8/1/19 17:20	0.55	1.2	1.5	191,678
8/6/19 13:20	8/6/19 15:40	0.61	1.2	2.0	227,934
8/6/19 22:00	8/6/19 22:40	0.11	0.4	0.7	11,269
8/7/19 11:30	8/7/19 13:00	0.28	1.6	1.5	56,473
8/16/19 14:00	8/16/19 17:00	0.92	1.5	2.5	353,111
8/18/19 20:00	8/18/19 21:40	0.41	0.8	1.2	126,891
8/22/19 22:50	8/23/19 9:40	0.45	7.2	4.3	66,586
8/28/19 13:50	8/28/19 15:10	0.20	2.3	1.2	31,526
9/2/19 5:10	9/2/19 8:40	1.21	1.9	3.0	502,156
9/4/19 14:10	9/4/19 14:20	0.09	0.5	0.2	1,372
9/12/19 0:30	9/12/19 3:00	0.43	1.9	2.3	109,449
9/12/19 16:40	9/12/19 17:50	0.37	2.8	1.0	67,035
10/6/19 12:30	10/6/19 15:00	0.21	2.8	2.5	19,671
10/7/19 15:40	10/7/19 21:30	0.63	12.0	4.8	98,015
10/16/19 11:20	10/16/19 17:20	1.14	6.4	5.7	570,265
10/20/19 10:20	10/20/19 13:20	0.25	7.2	3.0	21,926
10/22/19 14:20	10/22/19 17:40	0.51	4.0	2.7	116,851
10/27/19 4:40	10/27/19 11:00	1.12	6.8	5.8	459,325
10/30/19 19:30	11/1/19 1:10	2.87	14.3	13.3	640,306
11/7/19 12:50	11/7/19 18:50	0.38	7.5	4.3	25,929
11/12/19 5:10	11/12/19 6:10	0.14	3.9	0.2	828
11/23/19 18:10	11/24/19 10:10	0.98	12.8	7.2	155,493
12/1/19 11:10	12/2/19 2:10	0.47	7.4	2.8	23,295
12/4/19 15:40	12/4/19 17:00	0.09	1.3	1.2	5,883
12/9/19 12:40	12/9/19 19:30	0.40	7.3	2.7	48,134
12/13/19 13:40	12/13/19 14:20	0.13	3.5	0.2	297
12/13/19 23:10	12/14/19 15:10	0.71	6.4	6.2	128,687
12/16/19 20:40	12/17/19 8:10	0.58	10.3	4.3	60,922
12/29/19 13:30	12/29/19 18:00	0.25	0.0	1.8	9,708
12/30/19 6:30	12/30/19 11:40	0.24	0.0	1.3	27,098
CSO-30					*1,780,617*
2/8/19 0:40	2/8/19 1:20	0.67	7.4	0.3	3,340
3/10/19 2:30	3/10/19 2:50	0.80	6.8	0.3	2,665
3/21/19 20:10	3/21/19 22:40	2.41	19.9	0.8	33,332
4/12/19 19:00	4/13/19 0:20	1.80	8.9	2.0	132,153
4/14/19 20:10	4/15/19 2:40	1.01	5.3	1.0	29,878
4/19/19 20:50	4/19/19 21:50	0.73	4.8	0.8	38,205
4/26/19 14:30	4/26/19 15:20	0.80	7.2	0.3	43,038
5/12/19 6:00	5/12/19 11:50	1.58	14.2	0.2	3,767
5/18/19 23:20	5/18/19 23:50	0.36	0.9	0.5	25,801
5/19/19 19:30	5/19/19 23:30	0.63	4.7	0.3	10,640
5/28/19 16:20	5/28/19 16:40	0.86	5.8	0.3	28,419
5/29/19 16:40	5/29/19 17:40	0.72	2.1	0.7	81,283
5/30/19 14:40	5/30/19 15:10	0.30	1.6	0.3	10,035
6/20/19 11:20	6/20/19 12:00	0.64	3.3	0.3	31,677
6/25/19 3:50	6/25/19 4:10	0.49	2.9	0.2	3,098
7/6/19 17:10	7/6/19 19:50	1.02	2.9	1.5	106,796
7/8/19 4:30	7/8/19 5:20	1.05	7.3	0.7	40,003

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
7/16/19 16:50	7/16/19 17:20	0.39	2.0	0.3	13,524
8/1/19 15:30	8/1/19 16:00	0.48	1.1	0.5	36,142
8/6/19 13:40	8/6/19 14:30	0.45	1.0	0.5	22,539
8/7/19 11:40	8/7/19 12:10	0.39	1.3	0.3	16,269
8/16/19 14:00	8/16/19 15:40	1.24	1.3	1.2	190,028
8/18/19 20:00	8/18/19 20:50	0.79	0.8	0.7	111,848
9/2/19 5:10	9/2/19 7:10	1.32	1.8	1.3	203,919
9/12/19 2:00	9/12/19 2:20	0.44	1.8	0.3	17,951
9/12/19 16:50	9/12/19 17:10	0.34	2.7	0.3	2,234
10/16/19 11:50	10/16/19 15:40	1.12	6.4	2.0	28,292
10/22/19 14:30	10/22/19 14:50	0.48	4.0	0.3	3,753
10/27/19 5:30	10/27/19 9:30	1.13	6.4	1.0	62,908
10/30/19 21:30	11/1/19 0:30	2.89	14.0	5.2	447,081
CSO-31					*46,917,757*
1/4/19 23:40	1/5/19 1:00	0.25	5.2	1.2	13,413
1/8/19 20:30	1/8/19 22:00	0.15	3.0	1.3	27,201
1/19/19 19:30	1/20/19 8:00	1.26	13.3	12.3	1,321,329
1/24/19 2:20	1/24/19 15:30	1.30	14.8	12.5	1,313,854
2/7/19 22:40	2/8/19 7:50	0.68	7.8	8.0	648,158
2/12/19 9:10	2/12/19 19:30	0.65	15.3	10.2	323,822
2/20/19 10:20	2/21/19 0:40	0.75	11.7	13.2	669,111
2/24/19 3:20	2/24/19 9:30	0.47	7.8	6.0	329,253
3/1/19 2:10	3/1/19 5:10	0.28	4.4	3.0	121,637
3/2/19 1:50	3/2/19 4:20	0.25	3.8	2.5	115,790
3/3/19 17:50	3/4/19 0:20	0.58	7.9	6.3	442,449
3/10/19 0:50	3/10/19 6:50	0.81	7.3	5.8	782,789
3/21/19 7:50	3/22/19 4:00	2.42	21.2	20.2	3,452,823
3/25/19 15:50	3/25/19 17:30	0.20	4.1	1.7	46,107
4/12/19 18:50	4/13/19 4:00	1.73	9.0	9.2	3,538,741
4/14/19 18:00	4/15/19 4:00	0.95	5.6	7.8	994,365
4/19/19 14:40	4/19/19 23:40	0.72	5.0	5.7	747,159
4/26/19 7:20	4/26/19 17:20	0.72	7.7	5.5	667,209
5/3/19 21:00	5/3/19 23:20	0.30	4.2	2.3	133,517
5/5/19 1:10	5/5/19 20:40	1.02	18.1	11.5	548,214
5/10/19 19:10	5/10/19 20:10	0.17	1.3	0.8	14,536
5/12/19 0:50	5/12/19 15:30	1.58	16.3	14.5	1,862,149
5/13/19 9:30	5/13/19 15:30	0.70	5.9	5.7	663,272
5/18/19 23:20	5/19/19 1:50	0.43	0.9	2.3	479,068
5/19/19 18:10	5/20/19 1:30	0.71	5.0	6.8	636,315
5/26/19 12:40	5/26/19 14:30	0.19	0.8	1.8	101,067
5/28/19 5:30	5/28/19 6:50	0.16	0.9	1.2	49,837
5/28/19 16:20	5/29/19 5:40	0.81	6.5	8.7	644,776
5/29/19 16:00	5/29/19 19:20	0.60	2.2	3.2	858,276
5/30/19 14:20	5/30/19 17:00	0.37	1.6	2.5	324,781
6/1/19 21:00	6/2/19 0:30	0.39	4.0	3.5	285,881
6/10/19 23:30	6/11/19 1:10	0.29	6.1	1.7	51,547
6/13/19 2:40	6/13/19 13:50	0.63	9.4	6.5	312,522
6/16/19 22:50	6/16/19 23:30	0.17	3.4	0.7	7,108
6/18/19 3:40	6/18/19 5:00	0.19	2.1	1.3	48,412
6/19/19 18:30	6/19/19 20:00	0.24	2.7	1.5	65,440
6/20/19 11:20	6/20/19 15:40	0.72	3.8	3.7	855,897
6/25/19 1:00	6/25/19 5:30	0.47	3.1	4.3	369,248
6/29/19 13:30	6/29/19 14:50	0.19	1.2	1.2	33,887

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
7/6/19 17:10	7/6/19 21:50	1.03	3.0	4.7	2,063,844
7/7/19 21:00	7/8/19 9:20	1.25	8.4	8.5	1,450,207
7/16/19 16:50	7/16/19 19:50	0.44	2.3	3.0	445,908
7/17/19 17:10	7/17/19 22:10	0.25	2.5	1.8	43,805
7/22/19 18:30	7/23/19 2:50	0.39	6.7	4.0	137,781
8/1/19 15:20	8/1/19 18:00	0.64	1.2	2.5	833,319
8/6/19 13:30	8/6/19 16:10	0.51	1.2	2.7	582,142
8/6/19 22:10	8/6/19 23:10	0.09	0.4	0.8	15,671
8/7/19 11:40	8/7/19 14:30	0.34	1.7	2.7	272,231
8/16/19 14:00	8/16/19 18:10	1.06	1.4	3.8	2,191,620
8/18/19 20:00	8/18/19 22:20	0.53	0.8	2.2	668,385
8/22/19 22:50	8/23/19 10:40	0.45	7.3	4.2	181,002
8/28/19 13:50	8/28/19 16:10	0.22	2.3	2.3	106,399
9/2/19 5:10	9/2/19 9:50	1.24	1.9	4.7	2,809,367
9/12/19 0:40	9/12/19 3:50	0.43	1.9	3.2	357,722
9/12/19 16:40	9/12/19 18:40	0.35	2.8	2.0	251,326
10/6/19 12:50	10/6/19 15:30	0.22	2.9	2.2	43,959
10/7/19 16:40	10/7/19 21:40	0.61	12.3	5.0	330,192
10/16/19 11:30	10/16/19 17:40	1.12	6.4	6.2	1,681,012
10/20/19 10:30	10/20/19 13:50	0.25	7.3	3.3	34,066
10/22/19 14:20	10/22/19 17:50	0.51	4.0	3.5	442,761
10/27/19 4:40	10/27/19 11:00	1.11	6.8	6.3	1,565,356
10/30/19 19:50	11/1/19 0:40	2.87	14.3	13.5	6,828,665
11/7/19 15:40	11/7/19 18:40	0.37	7.5	3.0	71,318
11/23/19 18:30	11/24/19 9:20	0.99	13.2	8.8	597,678
12/1/19 13:50	12/1/19 18:10	0.47	7.6	2.7	49,896
12/9/19 14:00	12/9/19 17:00	0.40	7.3	3.0	157,588
12/13/19 23:40	12/14/19 15:10	0.71	6.5	7.7	489,133
12/16/19 22:30	12/17/19 7:50	0.58	10.3	3.8	241,296
12/30/19 6:50	12/30/19 10:50	0.24	0.0	1.8	73,149
CSO-32					*13,227,918*
1/4/19 22:20	1/6/19 2:10	0.25	4.3	23.3	85,926
1/7/19 22:40	1/8/19 12:40	0.08	1.6	11.8	33,413
1/8/19 12:40	1/9/19 13:30	0.14	2.6	19.0	67,345
1/12/19 20:00	1/13/19 17:00	0.10	2.9	17.0	46,672
1/17/19 18:40	1/18/19 16:20	0.04	1.2	16.0	42,566
1/19/19 17:20	1/20/19 22:30	1.29	12.3	18.3	370,344
1/23/19 13:30	1/25/19 2:20	1.30	13.9	29.8	445,363
1/29/19 12:40	1/30/19 5:50	0.11	2.5	12.7	39,607
2/1/19 9:30	2/2/19 3:40	0.04	1.0	14.2	34,635
2/6/19 13:50	2/7/19 10:40	0.16	3.7	17.0	59,709
2/7/19 16:20	2/8/19 19:40	0.67	7.8	21.2	211,724
2/10/19 21:30	2/11/19 19:10	0.16	3.8	17.7	57,446
2/11/19 19:00	2/13/19 12:00	0.65	13.4	37.7	217,640
2/17/19 17:00	2/18/19 14:40	0.09	1.8	17.0	46,447
2/20/19 7:10	2/21/19 12:00	0.77	10.5	26.7	234,861
2/23/19 16:40	2/24/19 21:00	0.47	7.1	25.3	143,137
2/28/19 23:40	3/1/19 17:00	0.29	4.3	17.2	86,663
3/1/19 22:50	3/2/19 15:40	0.25	3.4	15.7	78,345
3/3/19 14:10	3/4/19 12:00	0.58	7.3	21.8	170,131
3/9/19 22:40	3/10/19 19:40	0.80	6.8	16.2	239,853
3/21/19 3:40	3/22/19 17:00	2.41	20.4	29.2	761,647
3/25/19 12:10	3/26/19 5:20	0.20	3.8	14.8	63,011

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
4/5/19 12:10	4/6/19 9:10	0.16	4.0	19.5	53,028
4/7/19 19:30	4/8/19 13:40	0.11	2.3	15.5	38,578
4/12/19 17:30	4/13/19 16:40	1.80	8.9	20.3	497,849
4/14/19 15:40	4/15/19 15:30	1.01	5.5	18.7	275,767
4/19/19 13:40	4/20/19 14:10	0.73	4.8	20.0	210,095
4/23/19 18:50	4/24/19 8:50	0.06	0.7	11.5	26,187
4/25/19 23:30	4/27/19 4:30	0.80	7.3	24.5	225,099
4/28/19 5:00	4/28/19 20:20	0.10	2.2	14.8	33,849
5/3/19 20:40	5/4/19 16:00	0.30	3.9	16.8	72,871
5/4/19 17:40	5/6/19 8:20	1.00	17.0	31.8	252,069
5/12/19 0:40	5/13/19 8:10	1.58	15.1	20.3	404,333
5/13/19 8:00	5/14/19 2:20	0.71	5.8	11.7	189,115
5/18/19 23:10	5/19/19 12:20	0.36	0.9	11.3	100,692
5/19/19 16:00	5/20/19 13:00	0.63	4.8	16.8	170,474
5/26/19 12:40	5/27/19 1:20	0.11	0.8	2.0	10,994
5/28/19 5:20	5/28/19 12:50	0.18	0.9	6.8	38,214
5/28/19 12:50	5/29/19 13:40	0.86	5.8	21.3	221,338
5/29/19 13:40	5/30/19 5:50	0.72	2.1	12.3	205,757
5/30/19 13:40	5/31/19 8:00	0.30	1.6	14.8	88,003
6/1/19 21:00	6/2/19 11:50	0.38	3.9	8.7	87,399
6/2/19 14:20	6/3/19 2:20	0.09	0.8	2.0	7,747
6/10/19 23:20	6/11/19 6:50	0.34	5.2	5.0	40,525
6/13/19 2:10	6/14/19 2:20	0.62	8.9	17.3	129,282
6/16/19 22:40	6/17/19 3:00	0.16	3.1	1.7	12,400
6/18/19 3:20	6/18/19 19:30	0.20	1.9	6.5	35,850
6/19/19 18:30	6/20/19 3:30	0.23	2.3	5.5	27,042
6/20/19 11:10	6/21/19 5:30	0.64	3.6	15.8	149,411
6/25/19 1:00	6/25/19 16:20	0.49	3.0	9.3	117,271
6/29/19 13:30	6/30/19 0:10	0.24	1.2	3.3	25,703
7/4/19 11:20	7/4/19 19:50	0.15	1.4	2.2	16,846
7/6/19 17:10	7/7/19 8:20	1.02	3.0	12.5	285,842
7/7/19 14:00	7/8/19 20:10	1.05	8.0	20.7	294,419
7/16/19 16:50	7/17/19 3:10	0.39	2.0	6.0	94,313
7/17/19 16:00	7/18/19 3:10	0.23	2.3	4.5	25,723
7/22/19 18:30	7/23/19 7:00	0.39	6.3	9.2	61,497
7/28/19 16:10	7/28/19 17:20	0.12	1.3	0.7	3,775
8/1/19 15:10	8/1/19 22:10	0.48	1.2	4.5	113,458
8/6/19 13:30	8/6/19 22:00	0.45	1.1	6.7	112,018
8/6/19 21:50	8/7/19 3:40	0.08	0.4	3.3	16,610
8/7/19 11:30	8/7/19 23:00	0.39	1.5	6.2	93,228
8/16/19 14:00	8/17/19 3:20	1.24	1.4	7.3	346,556
8/18/19 19:50	8/19/19 3:40	0.79	0.8	4.7	206,490
8/22/19 22:40	8/23/19 16:30	0.43	6.8	6.0	62,110
8/28/19 13:50	8/28/19 21:30	0.23	2.3	3.3	40,769
9/2/19 5:10	9/2/19 20:10	1.32	1.9	8.7	389,656
9/4/19 14:00	9/4/19 16:00	0.13	0.5	1.7	14,225
9/12/19 0:40	9/12/19 9:20	0.44	1.8	4.2	90,401
9/12/19 16:00	9/13/19 1:40	0.34	2.8	3.2	53,509
9/28/19 18:10	9/28/19 20:20	0.15	1.2	1.7	10,767
10/6/19 12:20	10/7/19 3:10	0.24	2.8	9.7	53,573
10/7/19 16:30	10/8/19 18:30	0.60	11.6	24.3	168,522
10/16/19 11:20	10/17/19 4:30	1.12	6.4	14.3	309,917
10/20/19 10:10	10/21/19 7:00	0.25	7.0	17.2	70,897

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
10/22/19 4:40	10/23/19 6:20	0.48	4.0	20.8	149,634
10/26/19 19:30	10/27/19 21:00	1.13	6.6	21.7	360,616
10/30/19 18:00	11/1/19 11:20	2.89	14.2	29.2	947,753
11/7/19 2:00	11/8/19 6:50	0.38	7.5	23.7	126,072
11/12/19 1:00	11/12/19 18:50	0.14	3.9	15.3	54,717
11/23/19 16:40	11/24/19 22:10	1.00	12.7	25.5	292,035
12/1/19 3:00	12/2/19 20:50	0.46	7.3	38.3	173,922
12/3/19 23:30	12/4/19 13:10	0.09	2.2	12.5	32,185
12/4/19 13:00	12/5/19 5:20	0.09	1.3	11.5	42,517
12/9/19 9:30	12/10/19 7:10	0.39	7.3	18.0	122,459
12/10/19 7:00	12/11/19 14:40	0.08	6.5	27.7	66,299
12/13/19 10:20	12/13/19 22:30	0.14	3.5	11.0	43,581
12/13/19 22:20	12/15/19 3:00	0.70	6.4	22.5	228,858
12/16/19 17:30	12/18/19 3:10	0.60	9.7	27.5	194,250
12/29/19 5:30	12/30/19 0:30	0.25	0.0	17.3	81,331
12/30/19 0:30	12/31/19 0:50	0.24	0.0	21.7	93,147
CSO-33					*7,335,963*
1/20/19 1:50	1/20/19 15:10	1.28	12.9	12.8	154,783
1/24/19 2:50	1/24/19 22:00	1.29	14.2	18.8	354,967
2/7/19 23:00	2/8/19 5:40	0.67	7.8	5.8	122,513
2/24/19 5:10	2/24/19 7:40	0.47	7.3	0.5	10,198
3/10/19 2:10	3/10/19 7:50	0.79	6.9	5.5	128,447
3/21/19 9:20	3/22/19 8:20	2.41	20.8	22.3	540,791
4/12/19 19:00	4/13/19 4:00	1.78	8.9	8.8	575,328
4/14/19 18:10	4/15/19 5:30	1.00	5.5	7.2	201,690
4/19/19 20:50	4/19/19 22:50	0.72	4.9	1.8	108,756
4/26/19 14:00	4/26/19 18:00	0.82	7.5	3.8	176,019
5/5/19 17:40	5/5/19 18:40	1.01	17.5	0.8	8,906
5/12/19 2:30	5/12/19 16:40	1.56	15.8	11.7	332,304
5/13/19 9:50	5/13/19 16:50	0.71	5.8	6.8	145,592
5/18/19 23:20	5/18/19 23:50	0.42	0.9	0.5	72,353
5/19/19 19:30	5/20/19 2:30	0.63	4.9	5.0	115,248
5/26/19 12:40	5/26/19 12:50	0.16	0.8	0.2	8,044
5/28/19 5:30	5/28/19 5:40	0.18	0.9	0.2	7,773
5/28/19 16:20	5/28/19 22:40	0.83	6.0	1.7	65,363
5/29/19 16:30	5/29/19 18:50	0.66	2.1	2.2	166,618
5/30/19 14:30	5/30/19 15:10	0.34	1.6	0.7	42,111
6/19/19 18:30	6/19/19 18:40	0.28	2.3	0.2	23,071
6/20/19 11:20	6/20/19 13:00	0.59	3.6	1.5	86,929
6/25/19 1:10	6/25/19 4:00	0.46	3.1	1.8	46,599
6/29/19 13:30	6/29/19 13:40	0.22	1.2	0.2	7,013
7/6/19 17:10	7/6/19 21:40	0.98	3.0	4.5	329,542
7/7/19 21:20	7/8/19 9:30	1.16	8.1	8.7	247,463
7/16/19 16:50	7/16/19 17:20	0.38	2.3	0.5	49,517
8/1/19 15:20	8/1/19 16:40	0.61	1.2	1.3	127,183
8/6/19 13:40	8/6/19 16:10	0.40	1.1	2.3	78,853
8/7/19 11:30	8/7/19 12:00	0.42	1.5	0.5	50,063
8/16/19 14:00	8/16/19 17:50	1.29	1.4	3.7	480,659
8/18/19 20:00	8/18/19 21:10	0.75	0.8	1.2	208,406
8/23/19 8:10	8/23/19 8:30	0.43	7.1	0.3	5,612
8/28/19 13:50	8/28/19 14:10	0.24	2.3	0.3	16,044
9/2/19 5:10	9/2/19 9:20	1.30	1.9	4.2	462,513
9/12/19 1:50	9/12/19 2:20	0.43	1.8	0.5	52,719

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/12/19 16:40	9/12/19 17:10	0.32	2.8	0.5	37,048
10/7/19 16:50	10/7/19 19:10	0.59	11.8	0.8	25,731
10/16/19 11:40	10/16/19 18:20	1.11	6.4	6.5	276,574
10/22/19 14:20	10/22/19 17:10	0.49	4.0	2.3	64,400
10/27/19 5:10	10/27/19 12:50	1.11	6.7	7.7	273,084
10/30/19 21:10	11/1/19 5:30	2.87	14.2	19.2	865,468
11/24/19 1:30	11/24/19 7:00	1.01	12.8	4.8	85,288
12/14/19 11:50	12/14/19 16:40	0.70	6.4	4.7	78,442
12/16/19 23:50	12/17/19 1:40	0.58	10.0	1.7	19,939
CSO-34					*26,685,751*
1/4/19 22:10	1/5/19 0:30	0.24	4.6	2.0	15,832
1/8/19 20:10	1/8/19 21:40	0.14	2.8	1.3	22,563
1/19/19 19:00	1/20/19 7:40	1.27	12.9	12.2	629,422
1/24/19 2:10	1/24/19 17:20	1.29	14.2	14.2	902,176
2/6/19 22:00	2/6/19 22:50	0.16	3.8	0.8	4,688
2/7/19 22:30	2/8/19 7:20	0.67	7.8	5.7	303,790
2/11/19 22:30	2/13/19 0:10	0.64	14.1	8.7	117,009
2/20/19 10:00	2/20/19 23:50	0.75	10.8	8.8	278,274
2/24/19 3:10	2/24/19 8:30	0.47	7.3	4.8	145,931
3/1/19 1:40	3/1/19 5:00	0.28	4.1	3.3	74,353
3/2/19 1:30	3/2/19 4:00	0.24	3.6	2.5	63,815
3/3/19 17:20	3/4/19 0:00	0.58	7.6	6.0	223,093
3/9/19 23:40	3/10/19 6:10	0.79	6.9	6.0	385,492
3/21/19 7:40	3/22/19 4:00	2.41	20.8	20.3	1,807,265
3/25/19 15:20	3/25/19 17:20	0.20	3.8	1.8	30,865
4/12/19 17:30	4/13/19 2:40	1.78	8.8	8.2	1,867,858
4/14/19 17:50	4/15/19 3:20	1.00	5.5	6.0	593,058
4/19/19 14:30	4/19/19 22:50	0.72	4.6	4.5	410,449
4/26/19 7:00	4/26/19 16:50	0.82	7.3	4.2	496,180
5/3/19 20:40	5/3/19 22:50	0.30	4.0	2.0	78,203
5/4/19 20:40	5/5/19 20:20	1.01	17.5	11.3	256,776
5/10/19 19:10	5/10/19 19:40	0.12	1.2	0.5	2,292
5/12/19 0:40	5/12/19 14:50	1.56	15.8	13.0	932,873
5/13/19 8:40	5/13/19 14:50	0.71	5.8	5.3	312,774
5/18/19 23:20	5/19/19 1:00	0.43	0.9	1.7	279,567
5/19/19 18:10	5/20/19 0:50	0.63	4.8	5.8	265,722
5/26/19 12:40	5/26/19 13:50	0.16	0.8	1.2	46,009
5/28/19 5:20	5/28/19 6:30	0.18	0.9	1.2	43,204
5/28/19 16:20	5/29/19 5:10	0.82	6.0	6.2	354,972
5/29/19 16:00	5/29/19 18:40	0.65	2.1	2.7	524,615
5/30/19 14:10	5/30/19 16:10	0.34	1.6	1.8	178,737
6/1/19 20:50	6/2/19 0:00	0.39	3.9	3.2	150,676
6/10/19 23:30	6/11/19 0:50	0.31	5.4	1.3	40,501
6/13/19 2:10	6/13/19 13:10	0.63	9.1	6.2	158,177
6/16/19 22:40	6/16/19 23:20	0.16	3.2	0.7	10,947
6/18/19 3:20	6/18/19 4:40	0.19	2.1	1.3	37,624
6/19/19 18:30	6/19/19 19:40	0.29	2.3	1.2	87,357
6/20/19 11:10	6/20/19 23:00	0.58	3.5	3.2	264,345
6/25/19 1:00	6/25/19 4:50	0.45	3.1	3.3	178,425
6/29/19 13:20	6/29/19 20:30	0.22	1.2	1.7	36,935
7/4/19 11:20	7/4/19 12:20	0.14	1.5	1.0	12,099
7/6/19 17:10	7/6/19 20:40	0.97	2.8	3.2	990,167
7/7/19 20:50	7/8/19 8:40	1.18	7.8	7.2	767,687

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
7/16/19 16:50	7/16/19 19:00	0.38	2.1	2.2	211,652
7/17/19 16:00	7/17/19 21:50	0.23	2.3	2.0	29,237
7/22/19 18:30	7/23/19 2:30	0.43	6.4	3.3	85,987
8/1/19 15:10	8/1/19 17:20	0.63	1.2	2.0	448,734
8/6/19 13:30	8/6/19 15:30	0.39	1.1	1.5	238,432
8/6/19 22:10	8/6/19 22:50	0.08	0.3	0.7	7,097
8/7/19 11:30	8/7/19 14:20	0.42	1.5	2.8	228,193
8/16/19 14:00	8/16/19 17:20	1.29	1.4	3.3	1,521,790
8/18/19 20:00	8/18/19 22:10	0.74	0.8	2.2	659,871
8/22/19 22:40	8/23/19 10:20	0.43	6.9	3.7	103,710
8/28/19 13:50	8/28/19 15:50	0.24	2.3	1.8	81,568
9/2/19 5:10	9/2/19 8:50	1.29	1.9	3.3	1,505,749
9/4/19 14:00	9/4/19 15:00	0.12	0.5	1.0	16,817
9/12/19 0:30	9/12/19 3:20	0.43	1.8	2.7	221,422
9/12/19 16:10	9/12/19 18:20	0.32	2.6	2.0	140,296
9/28/19 18:10	9/28/19 19:30	0.12	1.2	1.2	9,916
10/6/19 12:20	10/6/19 15:40	0.25	2.7	3.2	58,826
10/7/19 16:30	10/7/19 21:30	0.59	11.3	4.8	179,783
10/16/19 11:10	10/16/19 17:10	1.11	6.4	5.5	898,286
10/20/19 10:00	10/20/19 14:00	0.24	7.1	3.8	34,680
10/22/19 14:10	10/22/19 17:40	0.49	4.0	3.3	270,642
10/27/19 4:40	10/27/19 11:20	1.11	6.7	6.7	882,761
10/30/19 19:20	11/1/19 2:40	2.87	14.0	18.2	3,185,410
11/7/19 13:00	11/7/19 18:50	0.37	7.5	5.8	77,121
11/12/19 5:10	11/12/19 6:10	0.14	3.9	1.0	5,274
11/23/19 18:00	11/24/19 10:20	1.01	12.5	13.0	407,380
12/1/19 11:00	12/1/19 18:20	0.46	7.2	5.8	77,078
12/4/19 15:40	12/4/19 17:20	0.09	1.3	1.3	10,454
12/9/19 13:30	12/9/19 19:30	0.39	7.2	4.0	105,396
12/13/19 13:40	12/13/19 14:50	0.13	3.5	1.0	5,629
12/13/19 23:20	12/14/19 15:10	0.70	6.4	8.8	304,690
12/16/19 20:40	12/17/19 8:10	0.58	9.9	6.3	182,109
12/29/19 13:10	12/29/19 17:10	0.25	0.0	4.0	41,928
12/30/19 6:40	12/30/19 11:10	0.24	0.0	2.5	65,040
CSO-37					*29,767,297*
1/8/19 20:20	1/8/19 21:40	0.14	2.4	1.2	40,299
1/19/19 19:10	1/20/19 7:30	1.29	12.1	11.8	997,447
1/24/19 2:10	1/24/19 15:50	1.30	13.8	12.3	1,054,600
2/7/19 22:30	2/8/19 7:00	0.67	7.4	4.7	428,234
2/12/19 8:20	2/12/19 23:50	0.65	13.0	4.0	132,306
2/20/19 10:10	2/20/19 23:40	0.77	10.5	5.3	421,251
2/24/19 3:10	2/24/19 8:20	0.47	6.8	2.7	196,684
3/1/19 1:50	3/1/19 5:00	0.29	4.2	2.7	124,687
3/2/19 1:30	3/2/19 4:00	0.25	3.3	2.0	96,692
3/3/19 17:30	3/3/19 23:10	0.58	7.2	4.8	343,272
3/9/19 23:50	3/10/19 6:00	0.80	6.8	5.8	602,462
3/21/19 7:50	3/22/19 3:20	2.41	19.9	19.3	2,023,075
3/25/19 15:40	3/25/19 17:20	0.20	3.8	1.2	44,792
4/12/19 17:30	4/13/19 2:10	1.80	8.9	6.2	1,522,460
4/14/19 18:00	4/15/19 3:10	1.01	5.3	5.2	717,787
4/19/19 14:40	4/19/19 22:40	0.73	4.8	3.3	501,749
4/26/19 7:10	4/26/19 16:40	0.80	7.2	3.2	523,099
5/3/19 20:40	5/3/19 22:40	0.30	3.9	1.3	115,799

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
5/4/19 20:40	5/5/19 19:00	1.00	16.7	5.8	355,086
5/12/19 0:40	5/12/19 14:50	1.58	14.2	10.7	1,112,072
5/13/19 9:30	5/13/19 14:40	0.71	5.8	4.8	493,761
5/18/19 23:20	5/19/19 0:50	0.36	0.9	1.3	275,820
5/19/19 18:10	5/20/19 0:50	0.63	4.7	4.2	374,138
5/26/19 12:40	5/26/19 13:40	0.11	0.7	0.7	13,838
5/28/19 5:20	5/28/19 6:30	0.17	0.8	0.8	60,109
5/28/19 16:20	5/29/19 5:00	0.86	5.8	5.2	517,374
5/29/19 16:00	5/29/19 18:20	0.72	2.1	2.0	647,303
5/30/19 14:20	5/30/19 16:00	0.30	1.6	1.3	180,938
6/1/19 21:00	6/2/19 0:00	0.38	3.8	2.5	216,827
6/10/19 23:30	6/11/19 0:50	0.34	4.6	1.2	101,929
6/13/19 2:10	6/13/19 13:20	0.62	8.4	4.5	219,822
6/16/19 22:40	6/16/19 23:30	0.16	2.8	0.7	16,831
6/18/19 3:20	6/18/19 4:50	0.20	1.8	1.0	60,285
6/19/19 18:30	6/19/19 19:30	0.23	1.9	0.8	52,624
6/20/19 11:10	6/20/19 22:50	0.64	3.3	1.2	344,667
6/25/19 1:00	6/25/19 5:00	0.49	2.9	2.7	305,494
6/29/19 13:30	6/29/19 21:00	0.24	1.1	1.7	79,892
7/4/19 11:20	7/4/19 12:30	0.15	1.1	0.8	35,381
7/6/19 17:10	7/6/19 20:10	1.02	2.9	2.8	856,476
7/7/19 21:20	7/8/19 8:40	1.05	7.3	5.5	712,837
7/16/19 16:50	7/16/19 19:10	0.39	2.0	2.0	278,917
7/17/19 16:00	7/17/19 21:40	0.23	1.8	1.0	31,590
7/22/19 18:30	7/23/19 2:40	0.39	5.8	2.5	82,216
7/28/19 16:10	7/28/19 16:50	0.12	1.1	0.5	12,688
8/1/19 15:10	8/1/19 17:00	0.48	1.1	1.5	354,944
8/6/19 13:30	8/6/19 15:20	0.45	1.0	1.5	334,256
8/6/19 22:00	8/6/19 22:50	0.08	0.3	0.5	10,935
8/7/19 11:30	8/7/19 13:50	0.39	1.3	1.5	252,682
8/16/19 14:00	8/16/19 16:00	1.24	1.3	1.8	1,054,985
8/18/19 19:50	8/18/19 21:40	0.79	0.8	1.3	659,527
8/22/19 22:40	8/23/19 10:20	0.43	6.7	2.8	164,931
8/28/19 13:50	8/28/19 15:40	0.23	2.3	1.5	123,519
9/2/19 5:10	9/2/19 7:40	1.32	1.8	2.2	1,186,003
9/4/19 14:00	9/4/19 15:10	0.13	0.4	0.7	31,993
9/12/19 0:40	9/12/19 3:20	0.44	1.8	2.2	272,144
9/12/19 16:10	9/13/19 0:40	0.34	2.7	1.8	172,267
9/28/19 18:10	9/28/19 19:40	0.15	1.0	1.3	41,497
10/6/19 12:30	10/6/19 15:40	0.24	2.7	2.0	67,503
10/7/19 16:30	10/7/19 21:30	0.60	11.3	3.5	273,317
10/16/19 11:20	10/16/19 17:00	1.12	6.4	5.3	962,152
10/20/19 10:10	10/20/19 14:00	0.25	6.8	2.2	37,519
10/22/19 14:20	10/22/19 17:40	0.48	4.0	3.0	342,857
10/27/19 4:40	10/27/19 10:00	1.13	6.4	5.0	917,965
10/30/19 19:30	11/1/19 1:40	2.89	14.0	14.5	3,374,070
11/7/19 13:00	11/7/19 18:50	0.38	7.4	4.8	102,084
11/23/19 18:00	11/24/19 9:20	1.00	11.9	8.5	571,816
12/1/19 11:10	12/1/19 18:20	0.46	7.1	3.3	82,456
12/9/19 13:40	12/9/19 19:10	0.39	6.9	2.7	156,901
12/13/19 23:20	12/14/19 15:10	0.70	6.4	8.0	468,238
12/16/19 20:40	12/17/19 8:10	0.60	9.5	5.2	282,616
12/29/19 13:20	12/29/19 17:10	0.25	0.0	2.8	48,938

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
12/30/19 6:40	12/30/19 11:10	0.23	0.0	1.7	93,576
CSO-38					*7,864,908*
1/19/19 21:00	1/20/19 0:30	1.29	12.3	3.5	144,396
1/24/19 3:00	1/24/19 18:00	1.30	13.9	11.2	363,245
2/7/19 23:00	2/8/19 3:30	0.67	7.8	3.5	114,472
2/20/19 10:40	2/20/19 12:50	0.77	10.5	2.2	49,540
2/24/19 4:40	2/24/19 5:40	0.47	7.1	0.8	20,108
3/10/19 1:50	3/10/19 5:40	0.80	6.8	3.8	132,426
3/21/19 8:10	3/22/19 5:00	2.41	20.4	13.8	609,336
4/12/19 19:00	4/13/19 2:30	1.80	8.9	7.2	621,624
4/14/19 18:20	4/15/19 4:00	1.01	5.5	4.8	211,489
4/19/19 20:40	4/19/19 22:00	0.73	4.8	1.3	136,613
4/26/19 14:10	4/26/19 15:40	0.80	7.3	1.5	160,467
5/3/19 21:30	5/3/19 21:50	0.30	3.9	0.3	7,255
5/5/19 15:40	5/5/19 17:20	1.00	17.0	1.7	21,691
5/12/19 2:40	5/12/19 14:40	1.58	15.1	8.7	326,460
5/13/19 9:50	5/13/19 14:50	0.71	5.8	4.8	122,122
5/18/19 23:20	5/19/19 0:10	0.37	0.9	0.8	82,026
5/19/19 19:30	5/19/19 23:40	0.63	4.8	1.5	69,987
5/28/19 5:30	5/28/19 5:40	0.18	0.9	0.2	3,292
5/29/19 16:30	5/29/19 17:50	0.72	2.1	1.3	212,282
5/30/19 14:40	5/30/19 15:20	0.30	1.6	0.7	42,510
6/1/19 21:50	6/1/19 22:30	0.38	3.9	0.7	24,692
6/13/19 3:30	6/13/19 3:40	0.62	8.9	0.2	2,192
6/20/19 11:20	6/20/19 12:10	0.64	3.6	0.8	112,845
6/25/19 1:20	6/25/19 4:10	0.49	3.0	1.5	50,384
7/6/19 17:10	7/6/19 20:40	1.02	3.0	3.5	357,095
7/7/19 21:30	7/8/19 8:30	1.05	8.0	3.7	219,221
7/16/19 16:50	7/16/19 17:40	0.39	2.0	0.8	63,516
8/1/19 15:30	8/1/19 16:20	0.48	1.2	0.8	113,512
8/6/19 13:30	8/6/19 15:20	0.45	1.1	1.7	116,473
8/7/19 11:30	8/7/19 12:30	0.39	1.5	1.0	62,899
8/16/19 14:00	8/16/19 16:50	1.25	1.4	2.8	458,484
8/18/19 20:00	8/18/19 21:00	0.79	0.8	1.0	249,572
8/23/19 8:20	8/23/19 8:40	0.43	6.8	0.3	7,906
8/28/19 14:30	8/28/19 14:40	0.23	2.3	0.2	2,222
9/2/19 5:10	9/2/19 8:30	1.32	1.9	3.3	506,647
9/12/19 1:50	9/12/19 2:40	0.44	1.8	0.8	74,510
9/12/19 16:40	9/12/19 17:20	0.34	2.8	0.7	29,399
10/7/19 16:50	10/7/19 19:30	0.60	11.6	0.8	27,505
10/16/19 11:40	10/16/19 16:50	1.12	6.4	5.2	310,624
10/22/19 14:20	10/22/19 16:00	0.48	4.0	1.7	67,603
10/27/19 5:10	10/27/19 11:40	1.13	6.6	5.8	329,147
10/30/19 20:50	11/1/19 3:10	2.89	14.2	13.2	1,016,384
11/23/19 23:50	11/24/19 3:00	1.00	12.7	2.0	68,231
12/14/19 11:50	12/14/19 13:10	0.70	6.4	1.3	47,128
12/30/19 7:00	12/30/19 7:10	0.24	0.0	0.2	4,054
1/0/00 0:00	5/29/19 0:20	0.86	5.8	1.3	13,503,657
CSO-39					*13,503,657*
1/8/19 20:20	1/8/19 22:40	0.14	2.6	1.5	9,340
1/19/19 19:20	1/20/19 19:20	1.27	12.3	17.0	442,683
1/24/19 2:10	1/25/19 2:20	1.29	13.8	18.0	1,164,927
2/7/19 22:30	2/8/19 12:10	0.67	7.8	9.7	320,849

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
2/12/19 9:10	2/12/19 23:50	0.64	13.2	5.2	37,401
2/20/19 10:20	2/20/19 23:10	0.75	10.3	4.3	72,119
2/24/19 3:10	2/24/19 10:20	0.47	6.9	5.2	64,404
3/1/19 2:00	3/1/19 4:20	0.28	4.0	1.2	15,268
3/2/19 1:40	3/2/19 3:40	0.24	3.4	1.5	15,213
3/3/19 17:30	3/3/19 22:30	0.58	7.3	4.5	55,942
3/10/19 0:40	3/10/19 9:50	0.79	6.8	6.8	298,683
3/21/19 7:50	3/22/19 15:00	2.41	20.4	24.5	1,233,048
3/25/19 15:40	3/25/19 17:00	0.20	3.8	0.7	7,263
4/12/19 18:50	4/13/19 5:20	1.78	8.8	8.5	961,392
4/14/19 18:00	4/15/19 7:00	1.00	5.4	7.7	312,965
4/19/19 14:40	4/20/19 1:20	0.72	4.5	4.3	162,994
4/26/19 7:00	4/26/19 19:10	0.83	7.0	4.2	253,657
5/3/19 21:00	5/3/19 22:30	0.30	3.9	1.0	21,037
5/5/19 0:00	5/5/19 21:20	1.01	16.9	6.7	84,594
5/12/19 0:40	5/12/19 18:50	1.56	15.1	13.7	719,722
5/13/19 9:30	5/14/19 1:30	0.71	5.8	7.5	368,194
5/18/19 23:20	5/19/19 0:30	0.43	0.9	1.0	87,884
5/19/19 18:10	5/20/19 3:40	0.63	4.8	6.8	121,390
5/26/19 12:40	5/26/19 13:10	0.16	0.8	0.5	11,761
5/28/19 5:30	5/28/19 6:20	0.18	0.9	0.7	10,129
5/28/19 16:20	5/29/19 5:00	0.82	5.8	4.5	110,240
5/29/19 16:00	5/29/19 20:00	0.65	2.1	3.2	239,417
5/30/19 14:20	5/30/19 16:00	0.34	1.6	1.3	51,695
6/1/19 21:10	6/2/19 0:00	0.39	3.9	2.3	43,511
6/10/19 23:30	6/11/19 0:30	0.31	5.2	0.8	9,163
6/13/19 2:40	6/13/19 12:50	0.63	8.9	3.8	35,903
6/18/19 3:40	6/18/19 4:20	0.19	1.9	0.5	7,836
6/19/19 18:30	6/19/19 19:30	0.29	2.3	0.8	27,237
6/20/19 11:20	6/20/19 16:10	0.57	3.5	3.7	121,628
6/25/19 1:00	6/25/19 5:20	0.45	2.9	2.8	55,031
6/29/19 13:30	6/29/19 13:50	0.22	1.2	0.3	7,477
7/6/19 17:10	7/6/19 22:50	0.97	2.8	3.3	501,685
7/7/19 21:10	7/8/19 10:40	1.18	7.8	7.5	430,638
7/16/19 16:50	7/16/19 18:40	0.38	1.8	1.7	60,953
7/17/19 17:00	7/17/19 17:30	0.23	2.1	0.5	5,981
7/22/19 18:30	7/23/19 2:10	0.43	6.3	2.2	15,944
8/1/19 15:20	8/1/19 17:30	0.63	1.2	1.8	146,918
8/6/19 13:30	8/6/19 17:20	0.39	1.1	2.8	129,855
8/6/19 22:10	8/6/19 22:20	0.08	0.3	0.2	601
8/7/19 11:30	8/7/19 14:00	0.43	1.5	1.5	64,972
8/16/19 14:00	8/16/19 19:00	1.30	1.4	4.0	664,861
8/18/19 20:00	8/18/19 22:00	0.75	0.8	1.7	272,129
8/22/19 22:50	8/23/19 9:40	0.43	6.6	1.8	25,899
8/28/19 13:50	8/28/19 15:00	0.24	2.2	1.0	21,851
9/2/19 5:10	9/2/19 10:30	1.29	1.9	4.2	582,465
9/4/19 14:10	9/4/19 14:20	0.12	0.5	0.2	1,569
9/12/19 1:50	9/12/19 3:00	0.43	1.7	1.0	59,506
9/12/19 16:40	9/12/19 17:40	0.32	2.1	0.8	38,915
10/6/19 12:50	10/6/19 15:00	0.25	2.6	1.5	9,656
10/7/19 16:40	10/7/19 21:40	0.58	10.9	3.3	59,998
10/16/19 11:30	10/16/19 19:40	1.11	6.3	6.2	342,589
10/20/19 10:20	10/20/19 11:00	0.24	7.0	0.5	2,958

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
10/22/19 14:20	10/22/19 19:10	0.49	3.4	3.0	86,395
10/27/19 4:40	10/27/19 14:30	1.11	6.6	7.2	536,596
10/30/19 19:30	11/1/19 9:30	2.87	12.8	20.5	1,397,413
11/7/19 13:00	11/7/19 18:30	0.37	6.8	1.8	10,988
11/23/19 18:20	11/24/19 11:30	1.01	11.8	12.7	177,826
12/1/19 11:10	12/1/19 18:10	0.46	6.1	1.2	11,724
12/9/19 13:40	12/9/19 20:40	0.39	7.2	4.8	42,241
12/13/19 23:20	12/14/19 19:00	0.70	6.4	9.2	130,766
12/16/19 21:00	12/17/19 9:30	0.58	9.5	6.3	76,435
12/29/19 13:30	12/29/19 15:50	0.25	0.0	1.0	4,569
12/30/19 6:30	12/30/19 12:30	0.24	0.0	3.0	26,765
CSO-40					*3,818,176*
1/4/19 23:40	1/5/19 0:00	0.24	4.3	0.2	519
1/19/19 20:00	1/20/19 11:50	1.28	12.3	11.2	96,940
1/24/19 2:20	1/24/19 20:30	1.29	13.8	13.2	132,320
2/7/19 22:50	2/8/19 7:10	0.67	7.8	3.7	46,081
2/20/19 10:30	2/20/19 12:30	0.75	10.3	2.0	25,991
2/24/19 4:30	2/24/19 8:40	0.47	6.9	1.8	18,505
3/1/19 2:20	3/1/19 2:50	0.28	4.0	0.5	5,443
3/2/19 2:10	3/2/19 2:30	0.24	3.4	0.3	3,172
3/3/19 18:40	3/3/19 21:50	0.58	7.3	3.2	25,302
3/10/19 0:50	3/10/19 7:20	0.79	6.8	5.3	65,410
3/21/19 7:50	3/22/19 7:00	2.41	20.4	18.2	272,313
3/25/19 15:50	3/25/19 16:00	0.20	3.8	0.2	1,682
4/12/19 19:00	4/13/19 3:40	1.78	8.8	6.2	292,750
4/14/19 18:10	4/15/19 5:20	1.00	5.4	4.8	91,929
4/19/19 14:50	4/19/19 22:50	0.72	4.5	3.3	63,906
4/26/19 14:00	4/26/19 18:00	0.83	7.0	2.3	83,912
5/3/19 21:10	5/3/19 21:50	0.30	3.9	0.7	9,848
5/5/19 15:20	5/5/19 20:00	1.01	16.9	3.2	26,742
5/12/19 2:30	5/12/19 16:00	1.56	15.1	9.5	160,802
5/13/19 9:30	5/13/19 16:50	0.71	5.8	4.3	59,168
5/18/19 23:20	5/19/19 0:00	0.43	0.9	0.7	41,117
5/19/19 18:10	5/20/19 1:00	0.63	4.8	3.8	40,891
5/26/19 12:40	5/26/19 13:00	0.16	0.8	0.3	5,154
5/28/19 5:30	5/28/19 5:50	0.18	0.9	0.3	5,656
5/28/19 16:20	5/29/19 4:20	0.83	5.8	4.5	55,962
5/29/19 16:10	5/29/19 18:40	0.65	2.1	2.0	87,248
5/30/19 14:30	5/30/19 15:30	0.34	1.6	0.8	22,081
6/1/19 21:20	6/1/19 22:30	0.40	3.9	1.2	17,663
6/10/19 23:40	6/10/19 23:50	0.31	5.2	0.2	1,571
6/13/19 3:00	6/13/19 12:00	0.63	8.9	3.8	20,758
6/18/19 3:40	6/18/19 4:00	0.20	1.9	0.3	4,066
6/19/19 18:30	6/19/19 19:10	0.29	2.3	0.7	12,944
6/20/19 11:20	6/20/19 15:10	0.57	3.5	1.2	34,856
6/25/19 1:10	6/25/19 4:30	0.45	2.9	2.2	27,069
6/29/19 13:30	6/29/19 13:40	0.22	1.2	0.2	3,081
7/6/19 17:10	7/6/19 21:40	0.97	2.8	3.0	158,750
7/7/19 21:10	7/8/19 9:20	1.18	7.8	6.5	113,591
7/16/19 16:50	7/16/19 17:30	0.38	1.8	0.7	22,274
7/17/19 17:10	7/17/19 17:20	0.23	2.1	0.2	2,263
7/22/19 18:30	7/22/19 18:50	0.44	6.3	0.3	3,610
8/1/19 15:20	8/1/19 16:50	0.63	1.2	1.3	64,431

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
8/6/19 13:40	8/6/19 16:10	0.39	1.1	1.2	32,265
8/7/19 11:30	8/7/19 12:20	0.43	1.5	0.8	25,561
8/16/19 14:00	8/16/19 17:50	1.30	1.4	2.3	243,489
8/18/19 20:00	8/18/19 21:30	0.75	0.8	1.3	116,970
8/23/19 8:10	8/23/19 8:40	0.43	6.6	0.5	9,635
8/28/19 13:50	8/28/19 14:40	0.24	2.2	0.8	11,331
9/2/19 5:10	9/2/19 9:20	1.29	1.9	2.8	229,914
9/12/19 1:50	9/12/19 2:30	0.43	1.7	0.7	24,885
9/12/19 16:40	9/12/19 17:10	0.32	2.1	0.5	18,628
10/6/19 14:30	10/6/19 14:40	0.25	2.6	0.2	2,007
10/7/19 16:40	10/7/19 19:40	0.59	10.9	2.3	23,815
10/16/19 11:30	10/16/19 18:10	1.11	6.3	5.2	135,023
10/22/19 14:20	10/22/19 17:20	0.49	3.4	2.5	32,497
10/27/19 4:40	10/27/19 12:40	1.11	6.6	5.2	139,661
10/30/19 20:10	11/1/19 4:50	2.87	12.8	14.8	419,543
11/23/19 22:20	11/24/19 10:00	1.01	11.8	7.2	52,323
12/1/19 13:50	12/1/19 14:00	0.46	6.1	0.2	1,858
12/9/19 15:20	12/9/19 19:10	0.39	7.2	1.0	5,955
12/14/19 1:40	12/14/19 15:20	0.70	6.4	3.7	35,852
12/16/19 22:30	12/17/19 7:10	0.58	9.5	3.2	21,410
12/30/19 6:40	12/30/19 7:10	0.24	0.0	0.5	7,785
CSO-41					*3,703,737*
1/19/19 19:20	1/20/19 7:10	1.28	12.3	5.8	63,635
1/24/19 2:20	1/24/19 15:50	1.29	13.9	10.0	790,753
2/7/19 22:30	2/8/19 4:30	0.67	7.8	2.7	31,659
2/12/19 9:20	2/12/19 16:00	0.64	13.4	0.5	948
2/20/19 10:30	2/20/19 23:10	0.76	10.5	4.3	35,372
2/24/19 3:20	2/24/19 7:40	0.47	7.1	1.3	10,902
3/1/19 2:00	3/1/19 4:20	0.28	4.3	1.5	7,811
3/2/19 1:40	3/2/19 3:40	0.25	3.4	1.5	6,574
3/3/19 17:40	3/3/19 22:40	0.58	7.3	4.5	25,708
3/10/19 0:00	3/10/19 6:00	0.80	6.8	4.5	46,007
3/21/19 7:50	3/22/19 3:20	2.41	20.4	12.5	194,169
3/25/19 15:40	3/25/19 16:40	0.20	3.8	0.5	1,076
4/12/19 19:00	4/13/19 2:20	1.79	8.9	4.0	232,348
4/14/19 18:00	4/15/19 3:20	1.00	5.5	4.2	66,997
4/19/19 14:40	4/19/19 22:40	0.72	4.8	2.3	45,767
4/26/19 7:10	4/26/19 16:20	0.82	7.3	1.7	59,934
5/3/19 21:10	5/3/19 22:30	0.30	3.9	1.0	8,397
5/5/19 1:10	5/5/19 18:50	1.01	17.0	3.2	15,053
5/12/19 0:50	5/12/19 14:20	1.56	15.1	6.8	200,563
5/13/19 9:30	5/13/19 14:40	0.71	5.8	4.3	40,924
5/18/19 23:20	5/19/19 0:40	0.41	0.9	1.0	35,547
5/19/19 18:10	5/20/19 0:30	0.63	4.8	2.3	28,017
5/26/19 12:40	5/26/19 13:00	0.15	0.8	0.3	3,610
5/28/19 5:30	5/28/19 6:10	0.18	0.9	0.3	3,962
5/28/19 16:20	5/29/19 4:50	0.84	5.8	3.7	41,194
5/29/19 16:10	5/29/19 18:20	0.67	2.1	1.5	64,901
5/30/19 14:30	5/30/19 15:50	0.33	1.6	1.0	18,630
6/1/19 21:20	6/1/19 23:40	0.39	3.9	1.5	15,168
6/10/19 23:30	6/11/19 0:30	0.32	5.2	0.8	5,352
6/13/19 3:00	6/13/19 12:50	0.63	8.9	3.3	13,957
6/18/19 3:50	6/18/19 4:30	0.20	1.9	0.5	2,889

CAPITAL REGION WATER
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/19/19 18:30	6/19/19 19:20	0.27	2.3	0.5	6,526
6/20/19 11:20	6/20/19 15:00	0.59	3.6	0.8	30,774
6/25/19 1:10	6/25/19 4:40	0.46	3.0	1.8	21,992
6/29/19 13:30	6/29/19 13:40	0.23	1.2	0.2	2,227
7/6/19 17:10	7/6/19 20:20	0.98	3.0	1.8	87,510
7/7/19 21:10	7/8/19 8:40	1.14	8.0	4.2	72,567
7/16/19 16:50	7/16/19 18:40	0.38	2.0	1.5	24,228
7/17/19 17:10	7/17/19 17:20	0.23	2.3	0.2	1,281
7/22/19 18:30	7/22/19 20:20	0.42	6.3	1.7	7,603
8/1/19 15:20	8/1/19 17:00	0.58	1.2	1.3	50,082
8/6/19 13:30	8/6/19 15:30	0.41	1.1	1.3	30,969
8/7/19 11:30	8/7/19 13:50	0.42	1.5	1.2	23,943
8/16/19 14:00	8/16/19 16:20	1.28	1.4	1.3	149,162
8/18/19 20:00	8/18/19 21:30	0.77	0.8	1.2	123,026
8/23/19 8:10	8/23/19 9:10	0.43	6.8	1.0	9,103
8/28/19 13:50	8/28/19 14:50	0.24	2.3	1.0	10,951
9/2/19 5:10	9/2/19 7:50	1.30	1.9	1.7	157,794
9/12/19 1:50	9/12/19 3:00	0.43	1.8	0.8	24,422
9/12/19 16:40	9/12/19 17:20	0.32	2.8	0.7	15,784
10/7/19 16:40	10/7/19 21:00	0.59	11.6	2.0	17,112
10/16/19 11:30	10/16/19 17:00	1.11	6.4	4.7	95,306
10/22/19 14:20	10/22/19 17:20	0.49	4.0	1.8	28,360
10/27/19 4:40	10/27/19 10:00	1.11	6.6	4.0	79,268
10/30/19 19:30	11/1/19 1:50	2.88	14.2	11.2	516,874
11/7/19 13:20	11/7/19 17:40	0.37	7.5	0.2	157
11/23/19 18:10	11/24/19 8:50	1.01	12.7	4.2	32,711
12/1/19 11:10	12/1/19 17:30	0.46	7.3	0.5	779
12/9/19 13:40	12/9/19 16:20	0.39	7.3	1.7	4,967
12/13/19 23:20	12/14/19 14:40	0.70	6.4	3.0	23,152
12/16/19 21:00	12/17/19 7:30	0.59	9.7	2.2	12,585
12/30/19 6:40	12/30/19 10:40	0.24	0.0	0.7	4,697
CSO-42					*54,374,048*
1/4/19 21:40	1/5/19 19:30	0.24	4.3	21.8	467,966
1/7/19 23:10	1/8/19 12:40	0.08	1.5	13.5	177,226
1/8/19 12:40	1/9/19 13:30	0.14	2.6	24.8	424,774
1/12/19 20:00	1/13/19 17:00	0.10	2.9	21.0	275,714
1/17/19 18:50	1/18/19 16:20	0.04	1.2	21.5	247,065
1/19/19 17:20	1/20/19 17:50	1.28	12.3	23.8	1,292,899
1/23/19 13:30	1/24/19 23:10	1.29	13.8	33.5	1,425,465
1/29/19 12:40	1/29/19 23:40	0.11	2.5	11.0	193,058
2/1/19 10:00	2/1/19 19:10	0.04	1.0	9.2	121,467
2/6/19 13:50	2/7/19 10:40	0.16	3.6	20.8	349,222
2/7/19 16:20	2/8/19 17:50	0.67	7.8	24.2	940,974
2/10/19 21:30	2/11/19 18:00	0.16	3.8	18.5	350,683
2/11/19 19:20	2/13/19 12:00	0.64	13.2	40.5	1,388,403
2/17/19 17:00	2/18/19 14:40	0.09	1.7	21.7	274,408
2/20/19 8:50	2/21/19 12:00	0.75	10.3	27.2	1,130,167
2/23/19 16:40	2/24/19 18:20	0.47	6.9	25.7	769,458
3/1/19 1:10	3/1/19 17:00	0.28	4.0	15.8	454,355
3/1/19 22:50	3/2/19 15:40	0.24	3.4	16.8	437,782
3/3/19 14:10	3/4/19 12:00	0.58	7.3	21.8	783,076
3/9/19 22:50	3/10/19 17:50	0.79	6.8	18.7	811,414
3/21/19 6:50	3/22/19 17:00	2.41	20.4	34.0	2,062,803

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
3/25/19 12:10	3/25/19 23:10	0.20	3.8	11.0	316,162
4/5/19 12:10	4/5/19 22:50	0.16	4.0	10.7	197,451
4/7/19 20:00	4/8/19 13:40	0.11	2.3	17.7	204,503
4/12/19 11:50	4/13/19 14:20	1.78	8.8	26.3	1,204,085
4/14/19 16:50	4/15/19 14:20	1.00	5.4	21.0	1,002,818
4/19/19 13:40	4/20/19 14:10	0.72	4.5	24.5	787,867
4/23/19 20:30	4/24/19 0:00	0.06	0.7	3.5	54,643
4/26/19 0:50	4/26/19 21:10	0.83	7.0	20.3	726,156
4/28/19 7:30	4/28/19 14:30	0.09	2.2	7.0	107,297
5/3/19 18:40	5/4/19 14:20	0.30	3.9	19.7	422,044
5/4/19 20:20	5/5/19 23:50	1.01	16.9	27.5	1,307,494
5/9/19 13:30	5/9/19 17:10	0.04	0.8	3.7	53,210
5/10/19 13:50	5/10/19 22:50	0.12	1.0	9.0	141,206
5/11/19 21:00	5/12/19 18:30	1.56	15.1	21.2	1,406,505
5/13/19 8:20	5/13/19 18:40	0.71	5.8	10.3	606,971
5/18/19 23:20	5/19/19 12:20	0.43	0.9	13.0	386,708
5/19/19 16:00	5/20/19 13:00	0.63	4.8	20.8	748,224
5/23/19 21:10	5/24/19 0:00	0.04	0.4	2.8	38,743
5/25/19 21:50	5/26/19 0:30	0.03	0.7	2.7	34,144
5/26/19 12:30	5/26/19 17:40	0.16	0.8	5.2	205,899
5/28/19 5:10	5/28/19 12:50	0.18	0.9	7.7	224,338
5/28/19 12:50	5/29/19 13:40	0.83	5.8	24.7	975,205
5/29/19 13:40	5/29/19 22:50	0.65	2.1	9.0	426,848
5/30/19 13:40	5/30/19 20:10	0.34	1.6	6.5	309,026
6/1/19 20:20	6/2/19 3:10	0.40	3.9	6.8	370,429
6/2/19 14:30	6/2/19 18:30	0.07	0.8	4.0	58,274
6/10/19 10:00	6/11/19 12:30	0.31	5.2	26.5	413,545
6/13/19 1:50	6/13/19 20:40	0.63	8.9	18.8	754,610
6/16/19 11:50	6/16/19 17:00	0.03	0.6	5.2	67,484
6/16/19 22:40	6/17/19 14:20	0.16	2.9	15.7	203,348
6/18/19 3:10	6/18/19 14:20	0.20	1.9	11.2	251,105
6/19/19 13:00	6/20/19 3:10	0.29	2.3	14.2	347,603
6/20/19 10:40	6/21/19 14:20	0.57	3.5	27.2	664,234
6/25/19 0:50	6/25/19 14:20	0.45	2.9	13.5	498,060
6/29/19 12:50	6/29/19 23:20	0.22	1.2	10.5	261,920
7/4/19 10:00	7/4/19 18:00	0.14	1.3	8.0	166,117
7/5/19 10:10	7/6/19 0:20	0.12	4.3	14.2	212,355
7/6/19 16:50	7/7/19 0:30	0.97	2.8	7.7	543,707
7/7/19 14:00	7/8/19 17:50	1.18	7.8	27.7	1,117,191
7/11/19 3:40	7/11/19 19:10	0.13	2.0	15.5	201,553
7/16/19 15:40	7/16/19 23:40	0.38	1.8	8.0	358,885
7/17/19 12:50	7/18/19 16:40	0.23	2.1	27.8	479,589
7/21/19 21:00	7/22/19 11:30	0.11	1.7	14.5	185,447
7/22/19 11:30	7/23/19 17:20	0.44	6.3	29.8	739,195
7/28/19 15:10	7/28/19 21:50	0.09	1.2	6.7	98,507
7/30/19 15:50	7/31/19 10:40	0.04	0.8	18.8	200,326
8/1/19 14:50	8/1/19 22:40	0.63	1.2	7.8	384,906
8/6/19 13:00	8/6/19 20:20	0.39	1.1	7.3	344,425
8/6/19 22:00	8/7/19 10:30	0.08	0.3	12.5	166,928
8/7/19 11:20	8/7/19 19:10	0.43	1.5	7.8	404,979
8/7/19 23:40	8/8/19 11:10	0.05	0.6	11.5	142,571
8/8/19 11:00	8/8/19 19:40	0.04	0.8	8.7	116,369
8/13/19 14:50	8/14/19 13:20	0.07	1.6	22.5	256,795

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
8/15/19 21:20	8/16/19 10:40	0.03	1.1	13.3	138,327
8/16/19 13:20	8/16/19 22:10	1.30	1.4	8.8	637,013
8/18/19 17:20	8/19/19 2:00	0.75	0.8	8.7	446,881
8/22/19 17:00	8/23/19 17:50	0.43	6.6	24.8	654,968
8/28/19 13:00	8/28/19 20:20	0.24	2.2	7.3	289,032
9/2/19 5:10	9/2/19 17:50	1.29	1.9	12.7	699,251
9/4/19 13:30	9/4/19 19:30	0.12	0.5	6.0	132,873
9/11/19 21:40	9/12/19 14:40	0.43	1.7	17.0	463,871
9/12/19 15:40	9/13/19 16:40	0.32	2.1	25.0	510,805
9/14/19 8:20	9/14/19 17:50	0.06	0.7	9.5	137,876
9/28/19 17:30	9/28/19 23:50	0.12	1.2	6.3	132,290
10/2/19 23:50	10/3/19 23:30	0.19	2.5	23.7	344,567
10/6/19 11:10	10/6/19 21:50	0.25	2.6	10.7	410,310
10/7/19 8:40	10/8/19 17:50	0.59	10.9	33.2	946,571
10/16/19 10:10	10/16/19 23:20	1.11	6.3	12.8	758,239
10/20/19 8:30	10/20/19 20:00	0.24	7.0	11.5	387,300
10/22/19 10:00	10/22/19 23:40	0.49	3.4	13.7	521,292
10/26/19 23:10	10/27/19 18:00	1.11	6.6	18.8	867,106
10/30/19 18:00	11/1/19 11:20	2.87	12.8	40.3	1,828,057
11/7/19 10:10	11/8/19 0:40	0.37	6.8	14.5	607,200
11/12/19 3:20	11/12/19 17:50	0.14	3.8	14.5	260,863
11/23/19 16:40	11/24/19 18:00	1.01	11.8	25.3	1,364,815
12/1/19 9:00	12/2/19 17:50	0.46	6.1	32.8	968,915
12/4/19 0:40	12/4/19 13:10	0.09	2.2	12.5	172,150
12/4/19 13:00	12/5/19 0:00	0.09	1.2	11.0	242,441
12/9/19 10:10	12/10/19 1:30	0.39	7.2	15.3	616,025
12/10/19 10:10	12/11/19 14:40	0.08	6.3	28.5	373,938
12/13/19 10:20	12/13/19 22:30	0.14	3.5	12.2	236,603
12/13/19 22:20	12/14/19 23:20	0.70	6.4	24.3	1,020,815
12/16/19 17:30	12/17/19 21:20	0.58	9.5	27.8	970,475
12/29/19 10:10	12/30/19 0:30	0.25	0.0	14.3	482,560
12/30/19 6:30	12/30/19 19:30	0.24	0.0	13.0	474,236
CSO-43					*1,848,399*
1/19/19 21:20	1/20/19 0:10	1.28	12.7	2.8	30,092
1/24/19 3:00	1/24/19 14:20	1.29	14.2	4.8	24,012
2/7/19 23:00	2/8/19 2:20	0.67	7.8	2.0	17,703
2/20/19 10:40	2/20/19 12:10	0.75	11.0	1.0	8,507
2/24/19 4:40	2/24/19 5:40	0.47	7.4	0.8	4,990
3/10/19 2:00	3/10/19 4:10	0.79	6.9	1.7	17,314
3/21/19 8:00	3/22/19 2:30	2.41	20.8	6.3	82,479
4/12/19 19:00	4/13/19 1:40	1.78	9.0	3.0	150,967
4/14/19 18:10	4/15/19 2:40	1.00	5.4	2.3	45,551
4/19/19 20:50	4/19/19 22:00	0.72	4.5	1.0	36,099
4/26/19 14:00	4/26/19 15:40	0.83	7.1	1.3	51,063
5/3/19 21:20	5/3/19 21:40	0.30	4.0	0.3	2,821
5/12/19 2:30	5/12/19 12:20	1.56	15.8	3.7	48,404
5/13/19 9:40	5/13/19 13:50	0.71	5.9	1.5	12,477
5/18/19 23:20	5/18/19 23:50	0.43	0.9	0.5	33,899
5/19/19 18:10	5/19/19 23:40	0.63	4.8	1.3	22,074
5/26/19 12:40	5/26/19 12:50	0.16	0.8	0.2	2,613
5/28/19 5:30	5/28/19 5:40	0.18	0.9	0.2	2,883
5/28/19 16:20	5/28/19 23:40	0.82	5.9	1.3	21,088
5/29/19 16:30	5/29/19 17:50	0.65	2.1	1.0	50,787

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
5/30/19 14:30	5/30/19 15:10	0.34	1.6	0.5	15,527
6/1/19 21:50	6/1/19 22:10	0.40	3.9	0.3	2,088
6/19/19 18:30	6/19/19 18:50	0.29	2.4	0.3	8,984
6/20/19 11:20	6/20/19 12:10	0.57	3.7	0.5	24,281
6/25/19 1:10	6/25/19 4:00	0.45	2.9	1.0	11,582
6/29/19 13:30	6/29/19 13:40	0.22	1.4	0.2	2,369
7/6/19 17:10	7/6/19 19:50	0.97	2.9	2.2	89,704
7/7/19 21:10	7/8/19 8:10	1.18	8.2	2.2	51,167
7/16/19 16:50	7/16/19 17:20	0.38	2.0	0.5	19,795
8/1/19 15:20	8/1/19 16:20	0.63	1.3	0.8	46,820
8/6/19 13:40	8/6/19 14:40	0.39	1.1	0.7	19,169
8/7/19 11:30	8/7/19 12:10	0.43	1.8	0.7	18,594
8/16/19 14:10	8/16/19 15:40	1.30	1.4	1.0	154,639
8/18/19 20:00	8/18/19 21:00	0.75	0.8	0.8	77,474
8/23/19 8:10	8/23/19 8:30	0.43	6.8	0.3	5,049
8/28/19 13:50	8/28/19 14:10	0.24	2.3	0.3	5,220
9/2/19 5:10	9/2/19 7:10	1.29	2.0	1.5	156,822
9/12/19 1:50	9/12/19 2:20	0.43	1.7	0.5	19,490
9/12/19 16:40	9/12/19 17:10	0.32	2.2	0.5	13,792
10/7/19 16:40	10/7/19 19:20	0.58	11.3	0.8	8,871
10/16/19 11:30	10/16/19 16:10	1.11	6.3	3.8	62,522
10/22/19 14:20	10/22/19 16:00	0.49	3.5	1.7	20,115
10/27/19 5:10	10/27/19 9:30	1.11	7.0	2.5	69,536
10/30/19 21:00	10/31/19 23:30	2.87	12.9	6.2	251,984
11/23/19 23:50	11/24/19 3:10	1.01	12.3	1.8	12,683
12/14/19 11:40	12/14/19 13:40	0.70	6.4	1.3	8,983
12/30/19 6:50	12/30/19 7:10	0.24	0.0	0.3	5,316
CSO-44					*9,663,453*
1/19/19 20:00	1/20/19 1:50	1.28	12.7	5.8	207,078
1/24/19 2:40	1/24/19 13:50	1.29	14.2	9.3	221,906
2/7/19 22:50	2/8/19 2:20	0.68	7.8	3.0	120,727
2/20/19 10:40	2/20/19 13:10	0.76	11.0	2.5	77,209
2/24/19 4:30	2/24/19 5:40	0.47	7.4	1.2	39,434
3/1/19 2:30	3/1/19 2:50	0.28	4.3	0.3	6,499
3/2/19 2:20	3/2/19 2:40	0.25	3.9	0.3	5,535
3/3/19 18:40	3/3/19 22:00	0.58	7.6	3.3	53,115
3/10/19 1:00	3/10/19 5:00	0.79	6.9	4.0	158,678
3/21/19 8:00	3/22/19 2:10	2.40	20.8	15.0	511,905
4/12/19 19:00	4/13/19 1:30	1.72	9.0	6.0	630,265
4/14/19 18:10	4/15/19 2:30	1.03	5.4	4.3	260,415
4/19/19 15:10	4/19/19 22:00	0.72	4.5	2.0	183,097
4/26/19 14:00	4/26/19 15:40	0.83	7.1	1.7	231,367
5/3/19 21:10	5/3/19 22:00	0.31	4.0	0.8	24,472
5/5/19 15:30	5/5/19 18:20	1.00	17.8	2.8	57,711
5/12/19 2:30	5/12/19 11:50	1.53	15.8	7.2	275,674
5/13/19 9:40	5/13/19 13:40	0.72	5.9	4.0	126,573
5/18/19 23:20	5/19/19 0:10	0.38	0.9	0.8	110,364
5/19/19 19:30	5/19/19 23:40	0.58	4.8	2.2	68,222
5/28/19 5:30	5/28/19 5:50	0.20	0.9	0.3	16,816
5/28/19 16:20	5/29/19 0:30	0.81	5.9	3.5	148,929
5/29/19 16:10	5/29/19 17:40	0.65	2.1	1.5	242,381
5/30/19 14:30	5/30/19 15:20	0.34	1.6	0.8	70,422
6/1/19 21:30	6/1/19 22:40	0.40	3.9	1.2	45,780

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/10/19 23:40	6/11/19 0:10	0.33	6.0	0.5	8,367
6/13/19 3:00	6/13/19 3:50	0.64	9.3	0.8	17,968
6/18/19 3:40	6/18/19 4:00	0.21	1.9	0.3	6,998
6/19/19 18:30	6/19/19 19:00	0.33	2.4	0.5	43,561
6/20/19 11:20	6/20/19 12:00	0.51	3.7	0.7	67,021
6/25/19 1:10	6/25/19 4:10	0.45	2.9	2.0	64,959
6/29/19 13:30	6/29/19 13:50	0.26	1.4	0.3	11,884
7/6/19 17:10	7/6/19 19:20	0.92	2.9	2.2	354,748
7/7/19 21:10	7/8/19 7:50	1.07	8.2	4.7	246,502
7/16/19 16:50	7/16/19 17:50	0.37	2.0	1.0	69,685
7/17/19 17:10	7/17/19 17:20	0.23	2.3	0.2	2,867
7/22/19 18:30	7/22/19 18:50	0.48	7.1	0.3	7,552
8/1/19 15:10	8/1/19 16:20	0.61	1.3	1.2	227,440
8/6/19 13:50	8/6/19 14:30	0.31	1.1	0.7	59,512
8/7/19 11:30	8/7/19 13:40	0.49	1.8	1.7	123,634
8/16/19 14:00	8/16/19 15:30	1.46	1.4	1.5	835,283
8/18/19 20:00	8/18/19 21:00	0.86	0.8	1.0	428,219
8/23/19 8:10	8/23/19 8:50	0.41	6.8	0.7	19,383
8/28/19 13:50	8/28/19 14:40	0.25	2.3	0.8	27,040
9/2/19 5:10	9/2/19 7:00	1.32	2.0	1.5	664,283
9/12/19 1:50	9/12/19 2:40	0.40	1.7	0.8	86,965
9/12/19 16:40	9/12/19 17:20	0.30	2.2	0.7	43,765
10/6/19 14:30	10/6/19 14:50	0.26	2.6	0.3	5,788
10/7/19 16:40	10/7/19 20:10	0.58	11.3	2.0	55,174
10/16/19 11:30	10/16/19 15:50	1.11	6.3	4.3	341,605
10/22/19 14:20	10/22/19 16:00	0.48	3.5	1.7	89,119
10/27/19 4:40	10/27/19 9:10	1.10	7.0	4.5	335,127
10/30/19 20:10	10/31/19 21:00	2.85	12.9	7.5	1,272,590
11/23/19 22:30	11/24/19 3:10	1.02	12.3	3.8	116,002
12/9/19 15:20	12/9/19 15:50	0.37	7.2	0.5	10,261
12/14/19 11:40	12/14/19 13:40	0.69	6.4	2.0	69,215
12/16/19 22:40	12/17/19 0:50	0.58	9.8	2.2	42,028
12/30/19 6:50	12/30/19 7:20	0.23	0.0	0.5	14,333
CSO-45					*2,020,990*
1/19/19 22:50	1/19/19 23:00	1.29	12.6	0.2	3,374
1/24/19 9:20	1/24/19 9:30	1.30	14.2	0.2	3,910
2/8/19 0:40	2/8/19 1:10	0.68	7.0	0.5	22,511
3/10/19 2:10	3/10/19 3:40	0.78	6.6	1.5	29,174
3/21/19 9:20	3/21/19 22:00	2.39	20.6	5.2	91,478
4/12/19 19:00	4/12/19 23:40	1.65	8.3	2.8	161,576
4/14/19 18:10	4/15/19 2:10	1.07	5.3	2.5	77,259
4/19/19 20:50	4/19/19 21:40	0.73	4.5	0.8	50,980
4/26/19 14:00	4/26/19 15:00	0.83	6.8	1.0	61,390
5/12/19 2:30	5/12/19 11:30	1.49	15.7	4.0	69,629
5/13/19 9:50	5/13/19 10:50	0.73	5.9	1.0	20,449
5/18/19 23:20	5/18/19 23:40	0.32	0.9	0.3	22,646
5/19/19 19:30	5/19/19 21:10	0.52	4.8	0.7	12,752
5/28/19 5:30	5/28/19 5:40	0.23	0.9	0.2	7,059
5/28/19 16:20	5/28/19 22:40	0.79	5.8	0.7	28,159
5/29/19 16:10	5/29/19 17:10	0.66	2.1	1.0	61,207
5/30/19 14:30	5/30/19 15:00	0.33	1.6	0.5	21,403
6/1/19 21:50	6/1/19 22:10	0.41	3.9	0.3	7,032
6/19/19 18:20	6/19/19 18:40	0.38	2.1	0.3	24,995

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/20/19 11:20	6/20/19 11:40	0.43	3.3	0.3	7,808
6/25/19 1:10	6/25/19 1:40	0.44	2.9	0.5	10,865
6/29/19 13:30	6/29/19 13:40	0.30	1.2	0.2	7,421
7/6/19 17:20	7/6/19 18:30	0.87	2.9	0.7	69,290
7/7/19 21:20	7/8/19 5:00	0.95	7.4	1.0	37,250
7/16/19 16:50	7/16/19 17:20	0.35	2.0	0.5	20,574
7/22/19 18:30	7/22/19 18:40	0.53	6.6	0.2	5,690
8/1/19 15:10	8/1/19 15:50	0.59	1.1	0.7	63,281
8/6/19 14:00	8/6/19 14:10	0.22	1.0	0.2	6,917
8/7/19 11:30	8/7/19 13:30	0.56	1.8	1.0	46,156
8/16/19 14:00	8/16/19 15:20	1.63	1.4	1.0	208,771
8/18/19 20:00	8/18/19 20:40	0.99	0.8	0.7	126,572
8/28/19 13:50	8/28/19 14:10	0.27	2.3	0.3	9,967
9/2/19 5:10	9/2/19 6:40	1.36	2.0	1.2	176,456
9/12/19 2:00	9/12/19 2:20	0.37	1.6	0.3	18,722
9/12/19 16:50	9/12/19 17:10	0.29	2.2	0.3	7,630
10/7/19 19:00	10/7/19 19:10	0.57	10.6	0.2	4,599
10/16/19 11:40	10/16/19 14:50	1.10	6.3	3.2	84,220
10/22/19 14:20	10/22/19 15:10	0.47	3.5	0.8	20,128
10/27/19 5:10	10/27/19 9:00	1.10	6.8	2.8	78,968
10/30/19 21:00	10/31/19 20:50	2.83	12.4	3.7	224,488
11/24/19 1:30	11/24/19 1:50	1.02	11.6	0.3	8,235
CSO-46					*1,619,326*
2/8/19 0:40	2/8/19 1:10	0.68	7.0	0.5	13,999
3/10/19 2:10	3/10/19 2:40	0.78	6.6	0.5	9,340
3/21/19 20:00	3/21/19 21:50	2.39	20.6	1.0	30,656
4/12/19 19:10	4/12/19 23:40	1.65	8.3	2.8	122,737
4/14/19 20:10	4/15/19 2:20	1.07	5.3	1.8	48,165
4/19/19 21:00	4/19/19 21:50	0.73	4.5	0.8	37,220
4/26/19 14:10	4/26/19 15:00	0.83	6.8	0.8	47,252
5/12/19 6:00	5/12/19 11:00	1.49	15.7	3.2	35,169
5/13/19 10:40	5/13/19 10:50	0.73	5.9	0.2	2,435
5/18/19 23:20	5/18/19 23:50	0.31	0.9	0.5	15,061
5/28/19 5:30	5/28/19 5:40	0.23	0.9	0.2	4,333
5/28/19 16:20	5/28/19 16:40	0.79	5.8	0.3	21,499
5/29/19 16:30	5/29/19 17:10	0.65	2.1	0.7	46,021
5/30/19 14:40	5/30/19 15:00	0.33	1.6	0.3	10,976
6/19/19 18:20	6/19/19 18:50	0.38	2.1	0.5	15,813
6/20/19 11:30	6/20/19 11:40	0.43	3.3	0.2	2,515
6/29/19 13:30	6/29/19 13:40	0.29	1.2	0.2	3,790
7/6/19 17:20	7/6/19 18:30	0.87	2.9	1.2	66,730
7/7/19 21:20	7/8/19 5:10	0.95	7.4	1.2	26,672
7/16/19 17:00	7/16/19 17:20	0.35	2.0	0.3	9,354
8/1/19 15:10	8/1/19 16:00	0.59	1.1	0.8	53,128
8/6/19 14:00	8/6/19 14:10	0.22	1.0	0.2	3,599
8/7/19 11:30	8/7/19 13:30	0.56	1.8	1.3	32,428
8/16/19 14:00	8/16/19 15:20	1.63	1.4	1.0	239,138
8/18/19 20:00	8/18/19 20:40	0.99	0.8	0.7	128,097
8/28/19 13:50	8/28/19 14:00	0.26	2.3	0.2	2,908
9/2/19 5:10	9/2/19 6:40	1.36	2.0	1.3	170,411
9/12/19 2:00	9/12/19 2:20	0.37	1.6	0.3	13,730
10/16/19 11:40	10/16/19 15:00	1.10	6.3	3.3	61,925
10/22/19 14:20	10/22/19 14:40	0.47	3.5	0.3	5,578

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
10/27/19 5:10	10/27/19 9:00	1.10	6.8	3.0	63,338
10/30/19 21:20	10/31/19 20:50	2.83	12.4	3.8	272,602
11/24/19 1:40	11/24/19 1:50	1.02	11.6	0.2	2,707
CSO-46					*279,028,247*
1/19/19 19:40	1/20/19 8:50	1.26	13.6	13.2	9,398,044
1/24/19 2:30	1/24/19 16:00	1.29	15.1	13.5	9,599,074
2/7/19 23:00	2/8/19 7:40	0.69	8.0	7.8	4,486,416
2/12/19 9:20	2/12/19 18:50	0.65	16.3	9.5	2,927,028
2/20/19 10:40	2/21/19 0:20	0.75	12.2	10.5	4,602,360
2/24/19 3:40	2/24/19 9:20	0.47	8.3	5.7	2,522,054
3/1/19 2:20	3/1/19 5:50	0.28	4.3	3.5	1,218,837
3/2/19 2:10	3/2/19 4:50	0.25	4.3	2.7	1,033,253
3/3/19 18:00	3/4/19 0:40	0.58	8.2	6.7	3,703,629
3/10/19 1:00	3/10/19 7:50	0.78	7.3	6.8	5,268,901
3/21/19 8:00	3/22/19 4:30	2.40	21.6	20.5	19,491,934
3/25/19 16:00	3/25/19 17:50	0.19	4.1	1.8	479,951
4/12/19 19:00	4/13/19 4:20	1.65	9.5	9.2	14,621,242
4/14/19 18:10	4/15/19 4:40	1.00	6.1	9.2	6,909,458
4/19/19 14:50	4/20/19 0:20	0.70	4.9	6.3	4,397,842
4/26/19 7:30	4/26/19 18:00	0.73	8.2	5.7	3,946,583
5/3/19 21:10	5/3/19 23:40	0.32	4.2	2.5	1,103,949
5/5/19 1:40	5/5/19 21:00	1.00	18.8	10.8	4,144,133
5/12/19 1:10	5/12/19 15:20	1.53	17.4	14.2	10,302,582
5/13/19 9:40	5/13/19 15:40	0.73	6.3	6.0	4,649,490
5/18/19 23:20	5/19/19 2:10	0.43	1.0	2.8	2,380,229
5/19/19 19:30	5/20/19 1:40	0.62	5.3	6.2	3,394,640
5/26/19 12:50	5/26/19 14:20	0.18	0.9	1.5	519,221
5/28/19 5:30	5/28/19 7:40	0.24	1.0	2.2	950,590
5/28/19 16:20	5/29/19 5:20	0.84	6.7	9.0	4,916,937
5/29/19 16:20	5/29/19 19:50	0.56	2.3	3.5	3,685,749
5/30/19 14:30	5/30/19 17:20	0.38	1.7	2.8	1,981,246
6/1/19 21:20	6/2/19 0:50	0.42	4.0	3.5	2,127,057
6/11/19 0:00	6/11/19 1:10	0.32	7.0	1.2	345,165
6/13/19 3:00	6/13/19 13:30	0.67	9.8	6.0	2,663,842
6/18/19 3:50	6/18/19 5:10	0.20	2.1	1.3	408,113
6/19/19 18:30	6/19/19 20:50	0.39	2.9	2.3	1,284,217
6/20/19 11:30	6/20/19 15:50	0.42	4.3	4.0	1,251,430
6/25/19 1:10	6/25/19 5:20	0.44	3.3	4.2	2,365,033
6/29/19 13:30	6/29/19 15:10	0.25	1.5	1.7	654,611
7/6/19 17:20	7/6/19 21:30	0.85	2.9	4.2	6,470,098
7/7/19 20:50	7/8/19 9:40	1.39	8.8	9.0	9,607,328
7/16/19 17:00	7/16/19 20:00	0.36	2.5	3.0	1,923,433
7/17/19 17:10	7/17/19 18:30	0.26	3.0	1.3	415,015
7/22/19 18:40	7/23/19 2:50	0.55	7.8	5.3	1,932,355
8/1/19 15:20	8/1/19 18:40	0.67	1.4	3.3	4,374,908
8/6/19 13:50	8/6/19 16:20	0.33	1.1	2.5	1,605,669
8/7/19 11:40	8/7/19 15:40	0.64	2.3	4.0	4,331,958
8/16/19 14:10	8/16/19 19:30	1.50	1.6	5.3	13,424,069
8/18/19 20:00	8/18/19 23:20	0.80	1.2	3.3	6,012,244
8/22/19 23:10	8/23/19 11:00	0.42	7.4	3.8	1,298,993
8/28/19 14:00	8/28/19 16:30	0.25	2.4	2.5	989,867
9/2/19 5:10	9/2/19 10:20	1.30	2.2	5.2	12,030,065
9/12/19 2:00	9/12/19 4:20	0.37	2.1	2.3	1,642,150

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/12/19 16:50	9/12/19 19:00	0.26	3.0	2.2	1,048,922
10/6/19 13:10	10/6/19 16:20	0.28	3.2	3.2	1,045,854
10/7/19 16:50	10/7/19 22:10	0.57	13.7	5.3	2,550,317
10/16/19 11:30	10/16/19 18:00	1.09	6.4	6.5	7,989,624
10/22/19 14:30	10/22/19 18:20	0.50	4.3	3.8	2,872,824
10/27/19 4:50	10/27/19 11:20	1.11	8.0	6.5	7,929,512
10/30/19 19:50	11/1/19 1:30	2.83	15.1	15.0	26,313,168
11/7/19 15:20	11/7/19 19:10	0.36	8.4	3.8	1,190,963
11/23/19 18:50	11/24/19 10:50	1.04	14.0	13.3	6,660,939
12/1/19 14:00	12/1/19 19:00	0.46	9.5	5.0	1,467,932
12/9/19 14:10	12/9/19 17:40	0.37	7.6	3.5	1,464,585
12/13/19 23:50	12/14/19 16:10	0.69	8.5	9.3	4,590,324
12/16/19 21:50	12/17/19 8:40	0.57	10.4	6.5	2,669,053
12/29/19 14:00	12/29/19 18:10	0.26	0.0	4.2	895,737
12/30/19 7:00	12/30/19 12:00	0.24	0.0	4.2	1,145,504
CSO-49					*8,322,646*
1/19/19 20:30	1/20/19 7:00	1.30	12.7	9.7	270,803
1/24/19 3:10	1/24/19 14:20	1.30	14.1	8.5	268,561
2/7/19 23:20	2/8/19 2:50	0.69	7.8	3.3	113,238
2/20/19 10:50	2/20/19 14:10	0.79	10.5	3.2	108,844
2/24/19 4:50	2/24/19 6:10	0.45	6.7	1.3	41,332
3/1/19 2:40	3/1/19 3:30	0.28	4.3	0.8	7,800
3/2/19 2:40	3/2/19 3:30	0.26	3.5	0.7	5,374
3/3/19 19:10	3/3/19 22:40	0.58	7.5	3.3	55,196
3/10/19 1:30	3/10/19 5:40	0.83	6.8	4.2	187,577
3/21/19 8:20	3/22/19 3:00	2.45	20.3	17.2	657,458
4/12/19 19:00	4/13/19 1:50	1.61	9.3	5.7	506,978
4/14/19 20:00	4/15/19 3:10	1.04	5.3	4.2	252,124
4/19/19 20:30	4/19/19 22:40	0.83	5.1	1.8	188,385
4/26/19 15:00	4/26/19 16:10	0.48	7.2	1.2	9,323
5/3/19 21:50	5/3/19 22:20	0.28	4.2	0.3	3,313
5/5/19 16:00	5/5/19 18:40	1.11	18.0	2.7	70,710
5/10/19 19:20	5/10/19 19:50	0.25	1.3	0.5	3,703
5/12/19 2:40	5/12/19 12:30	1.67	15.1	7.3	367,578
5/13/19 10:10	5/13/19 14:20	0.66	5.8	4.0	127,856
5/19/19 18:20	5/20/19 1:00	1.17	4.4	5.0	314,642
5/28/19 23:20	5/29/19 4:50	0.69	6.4	1.8	54,583
5/29/19 16:40	5/29/19 18:20	0.55	2.0	1.7	162,813
5/30/19 14:40	5/30/19 15:50	0.31	1.6	1.2	47,408
6/1/19 21:50	6/1/19 23:20	0.34	3.9	1.3	28,423
6/13/19 3:40	6/13/19 4:20	0.59	8.3	0.7	2,040
6/20/19 11:20	6/20/19 12:40	0.52	3.4	1.3	92,275
6/25/19 1:40	6/25/19 5:00	0.49	2.9	2.0	66,695
7/6/19 17:10	7/6/19 20:00	1.31	3.0	2.8	546,981
7/7/19 21:30	7/8/19 8:00	1.15	7.9	4.8	290,183
7/16/19 17:00	7/16/19 18:50	0.46	2.9	1.7	100,539
7/22/19 18:40	7/22/19 19:50	0.38	5.3	1.0	20,437
7/30/19 16:50	7/30/19 17:20	0.18	0.4	0.5	2,129
8/6/19 13:30	8/6/19 15:20	0.94	1.3	1.8	343,185
8/6/19 22:20	8/6/19 22:50	0.15	0.4	0.5	5,406
8/16/19 14:00	8/16/19 15:50	0.72	1.6	1.8	234,135
8/23/19 8:30	8/23/19 9:10	0.40	7.2	0.7	6,834
9/2/19 5:10	9/2/19 7:20	0.87	1.8	2.2	314,870

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/12/19 2:00	9/12/19 3:00	0.30	2.2	0.8	30,333
9/12/19 16:50	9/13/19 1:10	0.40	2.6	1.3	29,299
10/7/19 16:50	10/7/19 21:10	0.71	12.3	2.8	53,653
10/16/19 11:40	10/16/19 16:40	1.13	6.3	5.0	359,022
10/22/19 14:30	10/22/19 17:20	0.54	4.2	2.7	113,105
10/27/19 5:20	10/27/19 9:50	1.16	7.1	4.5	378,384
10/30/19 20:30	10/31/19 21:50	2.93	15.2	8.7	1,240,196
11/24/19 0:00	11/24/19 4:30	0.99	11.6	3.8	101,394
12/9/19 15:10	12/9/19 16:20	0.42	7.2	1.2	14,806
12/14/19 12:00	12/14/19 14:20	0.69	7.2	2.2	79,142
12/16/19 23:00	12/17/19 1:20	0.57	10.3	2.3	32,663
12/30/19 7:00	12/30/19 7:50	0.26	0.0	0.8	10,920
CSO-50					*8,968,370*
1/4/19 22:20	1/5/19 0:30	0.32	4.8	2.0	16,709
1/8/19 20:30	1/8/19 21:40	0.16	3.1	0.8	6,016
1/19/19 19:20	1/20/19 7:30	1.29	12.7	11.7	287,359
1/24/19 2:20	1/24/19 14:40	1.31	14.1	10.2	289,318
2/7/19 22:50	2/8/19 7:20	0.69	7.8	4.2	121,355
2/12/19 9:20	2/12/19 16:20	0.66	14.3	3.2	23,187
2/20/19 10:20	2/20/19 23:20	0.79	10.5	5.3	120,943
2/24/19 3:30	2/24/19 7:50	0.45	6.7	2.2	49,077
3/1/19 2:00	3/1/19 4:30	0.29	4.3	1.5	25,199
3/2/19 1:40	3/2/19 3:50	0.26	3.5	1.7	21,564
3/3/19 17:40	3/3/19 23:10	0.58	7.5	4.8	96,698
3/9/19 23:50	3/10/19 6:00	0.82	6.8	5.5	177,474
3/21/19 7:50	3/22/19 3:20	2.45	20.3	19.0	630,356
3/25/19 15:40	3/25/19 17:10	0.21	4.1	0.8	10,611
4/12/19 17:30	4/13/19 2:00	1.61	9.3	6.8	459,998
4/14/19 18:00	4/15/19 3:20	1.00	5.3	5.2	234,726
4/19/19 14:50	4/19/19 22:50	0.81	5.1	3.5	200,628
4/26/19 7:20	4/26/19 16:40	0.48	7.2	3.0	45,027
5/3/19 21:00	5/3/19 22:40	0.28	4.2	1.2	21,925
5/4/19 20:30	5/5/19 19:00	1.10	18.0	5.2	99,484
5/10/19 19:10	5/10/19 20:10	0.24	1.3	0.8	15,532
5/12/19 0:50	5/12/19 14:50	1.65	15.1	10.0	341,892
5/13/19 9:40	5/13/19 14:30	0.66	5.8	4.7	136,544
5/18/19 23:30	5/19/19 0:40	0.16	0.9	0.8	10,392
5/19/19 18:00	5/20/19 1:00	1.14	4.4	5.3	291,734
5/26/19 12:50	5/26/19 13:20	0.10	0.7	0.3	503
5/28/19 5:20	5/28/19 6:20	0.17	0.8	0.7	12,854
5/28/19 16:20	5/29/19 5:10	0.68	6.4	4.2	84,257
5/29/19 16:40	5/29/19 18:30	0.54	2.0	1.5	144,388
5/30/19 14:20	5/30/19 16:00	0.32	1.6	1.3	60,306
6/1/19 21:00	6/1/19 23:50	0.34	3.9	2.5	48,680
6/2/19 17:40	6/2/19 18:40	0.17	0.7	0.7	10,115
6/10/19 23:30	6/11/19 0:40	0.29	4.5	0.8	15,778
6/13/19 2:40	6/13/19 13:10	0.59	8.3	3.7	44,070
6/16/19 22:40	6/16/19 23:20	0.17	3.3	0.3	1,454
6/18/19 3:40	6/18/19 4:40	0.22	2.2	0.8	12,738
6/20/19 11:20	6/20/19 13:00	0.56	3.4	1.3	111,674
6/25/19 1:10	6/25/19 5:10	0.50	2.9	2.7	90,453
6/29/19 13:30	6/29/19 14:10	0.17	1.2	0.5	1,710
7/6/19 17:10	7/6/19 20:30	1.28	3.0	3.0	443,256

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
7/7/19 21:20	7/8/19 8:30	1.08	7.9	5.7	261,787
7/16/19 16:50	7/16/19 19:10	0.47	2.9	2.0	126,591
7/17/19 16:10	7/17/19 22:10	0.26	2.6	1.8	11,623
7/22/19 18:30	7/22/19 20:30	0.38	5.3	1.7	40,663
7/30/19 16:40	7/30/19 17:50	0.16	0.4	0.8	17,594
8/1/19 15:40	8/1/19 17:00	0.18	0.8	0.8	17,702
8/6/19 13:20	8/6/19 15:30	0.90	1.3	1.8	287,358
8/6/19 22:00	8/6/19 23:10	0.16	0.4	0.8	19,351
8/7/19 11:40	8/7/19 14:10	0.19	1.0	1.2	11,837
8/16/19 13:50	8/16/19 16:10	0.72	1.6	2.0	221,497
8/18/19 20:10	8/18/19 21:00	0.12	0.8	0.5	5,457
8/22/19 23:10	8/23/19 10:00	0.41	7.2	1.5	24,610
8/28/19 13:50	8/28/19 15:30	0.17	2.6	1.2	6,516
9/2/19 5:10	9/2/19 7:30	0.91	1.8	2.0	297,730
9/12/19 0:40	9/12/19 3:10	0.32	2.2	1.3	48,319
9/12/19 16:20	9/13/19 1:20	0.40	2.6	2.0	52,601
10/6/19 12:30	10/6/19 13:40	0.17	2.0	0.2	676
10/7/19 15:30	10/7/19 21:30	0.70	12.3	4.3	93,386
10/16/19 11:30	10/16/19 17:00	1.14	6.3	5.2	337,184
10/20/19 10:40	10/20/19 13:40	0.23	6.0	1.5	4,016
10/22/19 14:20	10/22/19 17:40	0.53	4.2	3.0	119,882
10/27/19 5:00	10/27/19 10:00	1.14	7.1	4.7	316,785
10/30/19 19:30	10/31/19 22:40	2.92	15.2	11.3	1,447,404
11/7/19 13:20	11/7/19 18:30	0.39	7.3	2.3	12,140
11/23/19 18:10	11/24/19 9:00	0.99	11.6	7.3	123,734
12/1/19 11:10	12/1/19 18:00	0.48	7.3	2.0	11,932
12/9/19 13:40	12/9/19 16:40	0.42	7.2	2.8	45,988
12/13/19 23:30	12/14/19 15:00	0.70	7.2	6.2	105,765
12/16/19 21:00	12/17/19 1:40	0.57	10.3	3.8	55,873
12/30/19 6:50	12/30/19 11:00	0.26	0.0	1.3	26,388
1/0/00 0:00	1/0/00 0:10	0.16	3.8	1.2	4,732
1/0/00 0:00	1/0/00 0:10	0.15	3.8	0.3	666
1/0/00 0:00	1/0/00 0:10	0.10	0.7	0.7	2,692
1/0/00 0:00	1/0/00 0:10	0.13	1.6	0.2	255
1/0/00 0:00	1/0/00 0:10	0.10	1.2	0.7	1,437
1/0/00 0:00	1/0/00 0:10	0.23	3.0	1.0	4,233
1/0/00 0:00	1/0/00 0:10	0.14	4.0	1.2	4,444
CSO-51					*27,652,222*
1/8/19 20:30	1/8/19 21:40	0.16	3.0	1.8	31,827
1/19/19 19:20	1/20/19 7:40	1.30	12.7	13.2	973,325
1/24/19 2:20	1/24/19 15:00	1.31	14.1	13.5	969,847
2/7/19 22:50	2/8/19 7:20	0.69	7.7	9.3	434,512
2/11/19 22:30	2/12/19 18:10	0.66	14.2	15.2	207,991
2/20/19 10:20	2/20/19 23:30	0.79	10.5	12.7	461,821
2/24/19 3:30	2/24/19 8:20	0.45	6.7	5.7	212,763
3/1/19 2:00	3/1/19 4:50	0.29	4.3	3.5	109,493
3/2/19 1:30	3/2/19 4:00	0.26	3.5	3.2	93,580
3/3/19 17:30	3/4/19 0:00	0.58	7.5	7.2	337,978
3/10/19 0:00	3/10/19 6:20	0.82	6.8	7.3	583,758
3/21/19 8:00	3/22/19 3:40	2.45	20.3	20.5	1,981,651
3/25/19 15:30	3/25/19 17:20	0.21	4.1	3.0	53,715
4/12/19 17:40	4/13/19 2:20	1.62	9.3	9.5	1,344,488
4/14/19 18:10	4/15/19 3:40	1.01	5.3	8.5	722,697

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
4/19/19 14:50	4/19/19 23:10	0.81	5.1	6.0	578,529
4/26/19 7:20	4/26/19 16:50	0.48	7.1	5.7	167,499
5/3/19 20:50	5/3/19 22:50	0.28	4.0	2.5	81,774
5/4/19 20:30	5/5/19 20:10	1.10	17.9	16.7	436,493
5/10/19 19:10	5/10/19 20:20	0.25	1.3	2.2	59,885
5/12/19 0:50	5/12/19 15:00	1.67	15.1	14.7	1,154,660
5/13/19 9:40	5/13/19 14:50	0.67	5.8	5.7	436,425
5/18/19 23:40	5/19/19 0:50	0.17	0.9	1.7	41,264
5/19/19 18:10	5/20/19 1:20	1.14	4.4	7.7	879,191
5/28/19 5:30	5/28/19 6:40	0.18	0.8	1.5	49,902
5/28/19 16:20	5/29/19 5:20	0.70	6.3	8.0	316,151
5/29/19 16:40	5/29/19 18:50	0.56	2.0	3.2	411,567
5/30/19 14:30	5/30/19 16:20	0.32	1.6	2.5	170,701
6/1/19 21:00	6/2/19 0:00	0.34	3.9	3.3	161,819
6/2/19 17:40	6/2/19 18:30	0.17	0.7	1.3	23,573
6/10/19 23:30	6/11/19 0:50	0.29	4.4	1.7	50,601
6/13/19 2:40	6/13/19 13:20	0.59	8.3	6.8	192,120
6/16/19 22:50	6/16/19 23:20	0.17	3.1	0.8	10,110
6/18/19 3:40	6/18/19 4:50	0.22	2.2	2.2	52,392
6/20/19 11:20	6/20/19 13:20	0.56	3.4	2.8	294,006
6/25/19 1:10	6/25/19 5:30	0.50	2.9	4.7	284,569
6/29/19 13:40	6/29/19 14:00	0.17	1.2	0.7	6,626
7/6/19 17:10	7/6/19 20:40	1.29	3.0	4.0	1,239,120
7/7/19 21:20	7/8/19 8:40	1.14	7.9	9.2	815,728
7/16/19 16:50	7/16/19 19:30	0.46	2.8	3.2	319,499
7/17/19 16:10	7/17/19 22:00	0.25	2.5	3.7	47,411
7/22/19 18:30	7/23/19 2:10	0.37	5.3	3.7	116,268
7/30/19 16:40	7/30/19 17:50	0.17	0.4	1.8	56,099
8/1/19 15:50	8/1/19 17:00	0.16	0.8	1.7	42,249
8/6/19 13:30	8/6/19 16:00	0.92	1.2	3.0	836,424
8/6/19 22:10	8/6/19 23:20	0.15	0.4	1.7	60,983
8/7/19 11:50	8/7/19 14:10	0.20	1.0	2.8	51,906
8/16/19 13:50	8/16/19 16:30	0.74	1.6	3.2	628,121
8/18/19 20:10	8/18/19 21:00	0.13	0.8	1.2	18,551
8/22/19 23:20	8/23/19 10:10	0.41	7.2	4.5	104,679
8/28/19 14:00	8/28/19 15:30	0.17	2.6	2.2	34,110
9/2/19 5:10	9/2/19 8:00	0.91	1.8	3.3	802,826
9/12/19 0:50	9/12/19 3:30	0.33	2.0	3.3	152,969
9/12/19 16:10	9/13/19 1:30	0.41	2.4	4.5	181,119
10/6/19 12:30	10/6/19 13:30	0.16	2.0	2.7	20,081
10/7/19 15:40	10/7/19 21:50	0.70	11.8	7.3	332,008
10/16/19 11:30	10/16/19 17:20	1.14	6.3	6.3	967,085
10/20/19 10:40	10/20/19 13:40	0.23	6.0	3.8	56,780
10/22/19 14:20	10/22/19 17:50	0.54	3.9	4.3	350,556
10/27/19 5:00	10/27/19 10:30	1.15	6.9	6.2	930,954
10/30/19 19:30	10/31/19 22:50	2.92	14.3	16.7	3,242,624
11/7/19 13:00	11/7/19 18:50	0.39	6.8	6.8	140,469
11/23/19 18:20	11/24/19 9:10	0.99	11.3	14.7	564,561
12/1/19 11:10	12/1/19 18:10	0.49	6.8	9.7	122,616
12/4/19 16:10	12/4/19 16:50	0.09	1.1	1.5	13,026
12/9/19 13:10	12/9/19 19:20	0.42	7.2	6.5	183,615
12/13/19 13:50	12/13/19 14:20	0.14	3.3	1.5	11,121
12/13/19 23:40	12/14/19 15:20	0.70	7.2	9.5	423,300

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
12/16/19 21:00	12/17/19 7:30	0.57	10.3	7.0	232,144
12/29/19 13:50	12/29/19 17:00	0.23	0.0	5.2	50,135
12/30/19 6:50	12/30/19 11:00	0.26	0.0	5.3	105,320
CSO-52					*9,580,738*
1/19/19 19:40	1/20/19 6:40	1.29	12.1	8.7	290,222
1/24/19 2:30	1/24/19 14:00	1.30	13.8	9.5	286,002
2/7/19 22:50	2/8/19 2:40	0.67	7.8	3.0	122,613
2/12/19 9:30	2/12/19 13:40	0.65	13.3	1.0	3,418
2/20/19 10:30	2/20/19 13:40	0.77	10.5	3.2	107,199
2/24/19 4:30	2/24/19 6:00	0.47	6.8	1.5	46,800
3/1/19 2:10	3/1/19 3:20	0.29	4.3	1.2	18,393
3/2/19 2:10	3/2/19 3:20	0.25	3.3	1.2	13,563
3/3/19 18:10	3/3/19 22:20	0.58	7.2	4.2	80,058
3/10/19 0:50	3/10/19 5:20	0.80	6.8	4.3	193,622
3/21/19 7:50	3/22/19 2:40	2.41	19.9	15.7	647,784
3/25/19 15:50	3/25/19 16:20	0.20	3.8	0.5	1,791
4/12/19 19:00	4/13/19 1:50	1.79	9.1	5.3	617,328
4/14/19 18:10	4/15/19 2:50	1.01	5.3	4.5	265,301
4/19/19 14:50	4/19/19 22:20	0.74	4.8	2.8	183,463
4/26/19 14:00	4/26/19 16:10	0.77	7.4	2.2	183,569
5/3/19 21:10	5/3/19 22:10	0.30	4.1	1.0	24,133
5/5/19 15:20	5/5/19 18:30	1.01	17.3	3.2	76,375
5/12/19 2:30	5/12/19 12:10	1.58	14.3	7.5	354,556
5/13/19 9:40	5/13/19 14:10	0.71	5.8	4.5	159,869
5/18/19 23:20	5/19/19 0:30	0.36	1.0	1.2	97,801
5/19/19 18:10	5/20/19 0:10	0.65	4.8	2.5	109,219
5/28/19 5:20	5/28/19 6:00	0.18	0.8	0.7	16,424
5/28/19 16:20	5/29/19 0:50	0.87	5.9	3.2	155,256
5/29/19 16:10	5/29/19 18:10	0.72	2.1	1.8	252,872
5/30/19 14:30	5/30/19 15:40	0.30	1.7	1.2	57,633
6/1/19 21:20	6/1/19 23:30	0.38	3.9	2.2	51,802
6/10/19 23:30	6/11/19 0:20	0.33	4.6	0.8	20,792
6/13/19 2:50	6/13/19 12:10	0.62	8.5	2.0	25,981
6/16/19 22:40	6/16/19 22:50	0.17	2.9	0.2	1,300
6/18/19 3:40	6/18/19 4:20	0.20	1.9	0.5	8,295
6/19/19 18:30	6/19/19 18:50	0.21	2.1	0.3	3,774
6/20/19 11:20	6/20/19 12:30	0.66	3.5	1.2	142,526
6/25/19 1:10	6/25/19 4:40	0.50	3.0	2.3	94,967
6/29/19 13:30	6/29/19 20:20	0.24	1.1	0.7	7,893
7/4/19 11:30	7/4/19 11:40	0.14	1.1	0.2	1,286
7/6/19 17:10	7/6/19 19:40	1.03	3.0	2.5	376,443
7/7/19 21:20	7/8/19 8:10	1.06	7.3	4.7	255,040
7/16/19 16:50	7/16/19 18:30	0.39	2.1	1.7	101,372
7/17/19 17:10	7/17/19 17:20	0.23	1.8	0.2	614
8/1/19 15:20	8/1/19 16:40	0.46	1.1	1.3	135,309
8/6/19 13:30	8/6/19 15:00	0.48	1.1	1.5	144,159
8/7/19 11:30	8/7/19 12:50	0.38	1.4	1.3	85,959
8/16/19 14:00	8/16/19 15:50	1.21	1.4	1.8	469,972
8/18/19 19:50	8/18/19 21:20	0.76	1.0	1.5	271,308
8/22/19 22:50	8/23/19 9:10	0.43	6.8	1.5	25,182
8/28/19 13:50	8/28/19 15:00	0.23	2.3	1.2	22,862
9/2/19 5:10	9/2/19 7:20	1.31	1.8	2.2	533,109
9/4/19 14:00	9/4/19 14:20	0.13	0.4	0.3	2,441

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/12/19 1:50	9/12/19 3:00	0.44	1.8	1.2	94,133
9/12/19 16:10	9/12/19 17:40	0.34	2.7	1.3	46,908
10/6/19 14:30	10/6/19 14:50	0.23	2.8	0.3	2,133
10/7/19 16:40	10/7/19 20:50	0.61	11.5	2.7	72,119
10/16/19 11:30	10/16/19 16:30	1.12	6.4	4.8	381,941
10/22/19 14:20	10/22/19 17:00	0.48	4.0	2.7	113,070
10/27/19 4:40	10/27/19 9:30	1.13	6.8	4.8	366,796
10/30/19 20:00	10/31/19 21:10	2.89	14.1	8.2	1,044,793
11/7/19 16:20	11/7/19 16:40	0.38	7.4	0.2	379
11/23/19 22:30	11/24/19 4:10	1.01	12.2	4.3	133,685
12/9/19 14:10	12/9/19 16:10	0.39	7.1	1.8	22,353
12/14/19 0:40	12/14/19 14:00	0.70	6.4	3.7	85,044
12/16/19 22:40	12/17/19 1:20	0.60	10.2	2.3	54,642
12/30/19 6:50	12/30/19 7:30	0.24	0.0	0.7	15,095
CSO-53					*2,160,908*
1/19/19 21:50	1/20/19 0:20	1.29	12.1	2.5	22,591
1/24/19 9:30	1/24/19 10:00	1.30	13.8	0.5	3,517
2/8/19 1:00	2/8/19 1:40	0.67	7.8	0.5	9,126
3/10/19 2:20	3/10/19 4:00	0.80	6.8	1.7	22,672
3/21/19 9:30	3/21/19 21:50	2.41	19.9	3.2	74,678
4/12/19 19:10	4/13/19 0:00	1.79	9.1	3.0	182,360
4/14/19 20:20	4/15/19 2:30	1.01	5.3	1.5	50,647
4/19/19 21:00	4/19/19 22:00	0.74	4.8	0.8	47,060
4/26/19 14:30	4/26/19 15:20	0.77	7.4	0.8	56,610
5/12/19 6:10	5/12/19 11:40	1.58	14.3	2.0	39,629
5/13/19 10:30	5/13/19 11:20	0.71	5.8	0.7	8,524
5/18/19 23:30	5/19/19 0:10	0.36	1.0	0.7	22,346
5/19/19 19:40	5/19/19 20:00	0.65	4.8	0.3	9,016
5/28/19 16:20	5/28/19 17:00	0.87	5.9	0.5	40,201
5/29/19 16:40	5/29/19 17:40	0.72	2.1	1.0	94,887
5/30/19 14:50	5/30/19 15:20	0.30	1.7	0.3	10,341
6/20/19 11:20	6/20/19 12:00	0.66	3.5	0.7	51,968
7/6/19 17:20	7/6/19 19:20	1.03	3.0	2.0	129,000
7/8/19 4:40	7/8/19 5:20	1.06	7.3	0.7	45,692
7/16/19 17:00	7/16/19 17:40	0.39	2.1	0.5	19,978
8/1/19 15:30	8/1/19 16:10	0.46	1.1	0.7	46,696
8/6/19 13:50	8/6/19 14:30	0.48	1.1	0.7	38,899
8/7/19 11:50	8/7/19 12:20	0.38	1.4	0.3	13,787
8/16/19 14:10	8/16/19 15:20	1.20	1.4	1.0	192,211
8/18/19 20:00	8/18/19 20:50	0.76	1.0	0.8	114,728
9/2/19 5:20	9/2/19 6:40	1.30	1.8	1.3	195,828
9/12/19 2:00	9/12/19 2:30	0.44	1.8	0.5	29,559
10/16/19 12:00	10/16/19 15:40	1.12	6.4	3.5	90,190
10/22/19 14:40	10/22/19 16:00	0.49	4.0	1.2	8,322
10/27/19 5:30	10/27/19 9:00	1.13	6.8	1.8	87,047
10/30/19 21:20	10/31/19 20:50	2.89	14.1	3.8	397,747
11/24/19 2:00	11/24/19 3:00	1.01	12.2	1.0	5,053
CSO-54					*3,208,383*
1/19/19 21:10	1/20/19 0:20	1.29	12.1	3.2	55,210
1/24/19 2:50	1/24/19 13:30	1.30	13.8	4.2	39,990
2/7/19 23:00	2/8/19 1:40	0.67	7.8	1.5	32,763
2/20/19 10:40	2/20/19 12:30	0.77	10.5	1.7	20,263
2/24/19 4:40	2/24/19 5:30	0.47	6.8	0.8	12,445

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
3/10/19 1:50	3/10/19 4:00	0.80	6.8	2.2	42,042
3/21/19 8:00	3/22/19 1:50	2.41	19.9	7.7	156,418
4/12/19 19:00	4/13/19 1:10	1.80	9.1	3.7	238,253
4/14/19 18:10	4/15/19 2:30	1.01	5.3	2.8	86,413
4/19/19 20:40	4/19/19 21:50	0.74	4.8	1.2	63,346
4/26/19 14:00	4/26/19 15:20	0.80	7.4	1.3	77,547
5/3/19 21:20	5/3/19 21:50	0.30	4.1	0.5	5,470
5/5/19 15:30	5/5/19 15:50	1.00	17.3	0.3	2,838
5/12/19 2:30	5/12/19 11:40	1.58	14.3	4.5	96,488
5/13/19 9:40	5/13/19 11:10	0.71	5.8	1.5	25,842
5/18/19 23:20	5/19/19 0:00	0.36	1.0	0.7	42,393
5/19/19 19:30	5/19/19 23:30	0.63	4.8	1.2	36,285
5/28/19 5:30	5/28/19 5:40	0.18	0.8	0.2	3,164
5/28/19 16:20	5/29/19 0:20	0.86	5.9	1.5	47,785
5/29/19 16:10	5/29/19 17:30	0.72	2.1	1.3	100,331
5/30/19 14:30	5/30/19 15:10	0.30	1.7	0.7	22,046
5/30/19 14:30	5/30/19 15:10	0.30	1.7	0.7	22,046
6/1/19 21:40	6/1/19 22:30	0.38	3.9	0.8	12,740
6/1/19 21:40	6/1/19 22:30	0.38	3.9	0.8	12,740
6/10/19 23:30	6/11/19 0:00	0.34	4.6	0.5	6,263
6/10/19 23:30	6/11/19 0:00	0.34	4.6	0.5	6,263
6/13/19 3:20	6/13/19 3:30	0.62	8.5	0.2	927
6/13/19 3:20	6/13/19 3:30	0.62	8.5	0.2	927
6/18/19 3:50	6/18/19 4:00	0.20	1.9	0.2	826
6/18/19 3:50	6/18/19 4:00	0.20	1.9	0.2	826
6/19/19 18:30	6/19/19 18:40	0.23	2.1	0.2	2,897
6/19/19 18:30	6/19/19 18:40	0.23	2.1	0.2	2,897
6/20/19 11:20	6/20/19 12:00	0.64	3.5	0.7	55,303
6/20/19 11:20	6/20/19 12:00	0.64	3.5	0.7	55,303
6/25/19 1:10	6/25/19 4:10	0.49	3.0	1.5	26,551
6/25/19 1:10	6/25/19 4:10	0.49	3.0	1.5	26,551
6/29/19 13:30	6/29/19 20:10	0.24	1.1	0.3	3,243
6/29/19 13:30	6/29/19 20:10	0.24	1.1	0.3	3,243
7/6/19 17:10	7/6/19 19:20	1.02	3.0	2.2	143,045
7/7/19 21:30	7/8/19 7:40	1.05	7.3	2.5	80,951
7/16/19 16:50	7/16/19 17:30	0.39	2.1	0.7	34,011
8/1/19 15:20	8/1/19 16:10	0.48	1.1	0.8	57,727
8/6/19 13:30	8/6/19 14:30	0.45	1.1	1.0	51,077
8/7/19 11:30	8/7/19 12:10	0.39	1.4	0.7	33,453
8/16/19 14:00	8/16/19 15:10	1.24	1.4	1.2	209,379
8/18/19 20:00	8/18/19 20:50	0.79	1.0	0.8	128,903
8/23/19 8:10	8/23/19 8:40	0.43	6.8	0.5	7,984
8/28/19 13:50	8/28/19 14:40	0.23	2.3	0.7	7,060
9/2/19 5:10	9/2/19 6:40	1.32	1.8	1.5	227,429
9/12/19 1:50	9/12/19 2:30	0.44	1.8	0.7	36,983
9/12/19 16:40	9/12/19 17:10	0.34	2.7	0.5	13,540
10/7/19 16:40	10/7/19 19:30	0.61	11.5	1.2	19,063
10/16/19 11:30	10/16/19 15:40	1.13	6.4	4.2	119,712
10/22/19 14:20	10/22/19 16:00	0.48	4.0	1.7	32,858
10/27/19 5:10	10/27/19 9:00	1.13	6.8	3.0	119,645
10/30/19 20:40	10/31/19 20:40	2.89	14.1	4.7	387,909
11/23/19 23:50	11/24/19 3:00	1.00	12.2	2.0	29,127
12/14/19 11:40	12/14/19 13:00	0.70	6.4	1.3	18,868

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
12/30/19 7:00	12/30/19 7:10	0.24	0.0	0.2	2,782
CSO-55					*6,296,256*
1/19/19 21:30	1/20/19 0:30	1.29	12.1	3.0	67,609
1/19/19 21:30	1/20/19 0:30	1.29	12.1	3.0	67,609
1/24/19 9:00	1/24/19 10:00	1.30	13.8	1.0	19,685
1/24/19 9:00	1/24/19 10:00	1.30	13.8	1.0	19,685
2/7/19 23:00	2/8/19 1:40	0.67	7.4	1.5	36,804
2/7/19 23:00	2/8/19 1:40	0.67	7.4	1.5	36,804
2/20/19 12:00	2/20/19 12:30	0.77	10.5	0.5	8,827
2/20/19 12:00	2/20/19 12:30	0.77	10.5	0.5	8,827
3/10/19 2:10	3/10/19 4:00	0.80	6.8	1.8	56,955
3/10/19 2:10	3/10/19 4:00	0.80	6.8	1.8	56,955
3/21/19 9:10	3/21/19 21:50	2.41	19.9	4.7	187,294
3/21/19 9:10	3/21/19 21:50	2.41	19.9	4.7	187,294
4/12/19 19:00	4/13/19 0:00	1.80	8.9	3.3	393,528
4/12/19 19:00	4/13/19 0:00	1.80	8.9	3.3	393,528
4/14/19 20:00	4/15/19 2:30	1.01	5.3	2.0	125,349
4/14/19 20:00	4/15/19 2:30	1.01	5.3	2.0	125,349
4/19/19 20:50	4/19/19 22:00	0.73	4.8	1.2	101,595
4/19/19 20:50	4/19/19 22:00	0.73	4.8	1.2	101,595
4/26/19 14:30	4/26/19 15:20	0.80	7.2	0.8	114,464
4/26/19 14:30	4/26/19 15:20	0.80	7.2	0.8	114,464
5/12/19 6:00	5/12/19 11:40	1.58	14.2	3.0	112,085
5/12/19 6:00	5/12/19 11:40	1.58	14.2	3.0	112,085
5/13/19 10:10	5/13/19 11:20	0.71	5.8	1.2	26,411
5/13/19 10:10	5/13/19 11:20	0.71	5.8	1.2	26,411
5/18/19 23:20	5/19/19 0:10	0.36	0.9	0.8	67,108
5/18/19 23:20	5/19/19 0:10	0.36	0.9	0.8	67,108
5/19/19 19:30	5/19/19 23:40	0.63	4.7	0.8	33,805
5/19/19 19:30	5/19/19 23:40	0.63	4.7	0.8	33,805
5/28/19 16:20	5/28/19 17:00	0.86	5.8	0.7	72,230
5/28/19 16:20	5/28/19 17:00	0.86	5.8	0.7	72,230
5/29/19 16:30	5/29/19 17:40	0.72	2.1	1.2	165,657
5/29/19 16:30	5/29/19 17:40	0.72	2.1	1.2	165,657
5/30/19 14:40	5/30/19 15:20	0.30	1.6	0.7	32,591
5/30/19 14:40	5/30/19 15:20	0.30	1.6	0.7	32,591
6/1/19 22:00	6/1/19 22:30	0.38	3.8	0.5	9,533
6/1/19 22:00	6/1/19 22:30	0.38	3.8	0.5	9,533
6/20/19 11:20	6/20/19 12:00	0.64	3.3	0.7	92,464
6/20/19 11:20	6/20/19 12:00	0.64	3.3	0.7	92,464
6/25/19 1:30	6/25/19 4:10	0.49	2.9	1.2	23,586
6/25/19 1:30	6/25/19 4:10	0.49	2.9	1.2	23,586
7/6/19 17:10	7/6/19 19:20	1.02	2.9	2.2	249,491
7/7/19 21:40	7/8/19 7:40	1.05	7.3	2.2	115,333
7/16/19 16:50	7/16/19 17:40	0.39	2.0	0.8	42,358
8/1/19 15:30	8/1/19 16:20	0.48	1.1	0.8	92,126
8/6/19 13:40	8/6/19 14:30	0.45	1.0	0.8	78,776
8/7/19 11:40	8/7/19 12:20	0.39	1.3	0.7	48,448
8/16/19 14:00	8/16/19 15:20	1.24	1.3	1.3	348,765
8/18/19 20:00	8/18/19 21:00	0.79	0.8	0.8	211,497
8/23/19 8:30	8/23/19 8:40	0.43	6.7	0.2	447
9/2/19 5:10	9/2/19 6:50	1.32	1.8	1.7	389,587
9/12/19 2:00	9/12/19 2:40	0.44	1.8	0.5	52,766

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/12/19 16:50	9/12/19 17:20	0.34	2.7	0.5	14,950
10/7/19 16:50	10/7/19 19:30	0.60	11.3	0.8	12,867
10/16/19 11:50	10/16/19 15:40	1.12	6.4	3.8	204,148
10/22/19 14:30	10/22/19 16:00	0.48	4.0	1.5	35,339
10/27/19 5:10	10/27/19 9:00	1.13	6.4	2.3	183,433
10/30/19 21:00	10/31/19 20:50	2.89	14.0	4.3	675,873
11/24/19 1:40	11/24/19 3:00	1.00	11.9	1.3	27,089
12/14/19 12:00	12/14/19 13:10	0.70	6.4	1.2	17,800
CSO-56					*6,020,824*
1/19/19 21:10	1/20/19 0:40	1.29	12.1	3.5	84,217
1/19/19 21:10	1/20/19 0:40	1.29	12.1	3.5	84,217
1/24/19 3:00	1/24/19 13:40	1.30	13.8	3.8	56,740
1/24/19 3:00	1/24/19 13:40	1.30	13.8	3.8	56,740
2/7/19 23:00	2/8/19 2:10	0.67	7.4	2.2	47,920
2/7/19 23:00	2/8/19 2:10	0.67	7.4	2.2	47,920
2/20/19 10:50	2/20/19 13:10	0.77	10.5	2.3	30,915
2/20/19 10:50	2/20/19 13:10	0.77	10.5	2.3	30,915
2/24/19 4:50	2/24/19 5:40	0.46	6.8	0.8	16,522
2/24/19 4:50	2/24/19 5:40	0.46	6.8	0.8	16,522
3/10/19 1:50	3/10/19 4:00	0.80	6.8	2.2	59,985
3/10/19 1:50	3/10/19 4:00	0.80	6.8	2.2	59,985
3/21/19 8:10	3/22/19 2:20	2.41	20.0	8.0	222,010
3/21/19 8:10	3/22/19 2:20	2.41	20.0	8.0	222,010
4/12/19 19:00	4/13/19 1:30	1.81	9.0	3.7	326,569
4/12/19 19:00	4/13/19 1:30	1.81	9.0	3.7	326,569
4/14/19 18:20	4/15/19 2:30	1.02	5.3	2.8	117,933
4/14/19 18:20	4/15/19 2:30	1.02	5.3	2.8	117,933
4/19/19 20:50	4/19/19 22:00	0.73	4.8	1.2	83,270
4/19/19 20:50	4/19/19 22:00	0.73	4.8	1.2	83,270
4/26/19 14:10	4/26/19 15:40	0.82	7.3	1.5	107,405
4/26/19 14:10	4/26/19 15:40	0.82	7.3	1.5	107,405
5/3/19 21:30	5/3/19 22:00	0.30	3.9	0.5	7,485
5/3/19 21:30	5/3/19 22:00	0.30	3.9	0.5	7,485
5/5/19 15:50	5/5/19 17:40	1.00	16.9	1.7	7,326
5/5/19 15:50	5/5/19 17:40	1.00	16.9	1.7	7,326
5/12/19 2:40	5/12/19 11:50	1.57	14.5	5.0	131,294
5/12/19 2:40	5/12/19 11:50	1.57	14.5	5.0	131,294
5/13/19 9:50	5/13/19 13:40	0.71	5.8	2.2	41,119
5/13/19 9:50	5/13/19 13:40	0.71	5.8	2.2	41,119
5/18/19 23:20	5/19/19 0:10	0.36	0.9	0.8	59,150
5/18/19 23:20	5/19/19 0:10	0.36	0.9	0.8	59,150
5/19/19 19:30	5/19/19 23:40	0.62	4.7	1.2	34,860
5/19/19 19:30	5/19/19 23:40	0.62	4.7	1.2	34,860
5/28/19 5:30	5/28/19 5:50	0.18	0.8	0.3	6,767
5/28/19 5:30	5/28/19 5:50	0.18	0.8	0.3	6,767
5/28/19 16:20	5/29/19 0:30	0.86	5.8	1.5	65,313
5/28/19 16:20	5/29/19 0:30	0.86	5.8	1.5	65,313
5/29/19 16:20	5/29/19 17:40	0.72	2.1	1.3	139,613
5/29/19 16:20	5/29/19 17:40	0.72	2.1	1.3	139,613
5/30/19 14:40	5/30/19 15:20	0.30	1.6	0.7	29,945
5/30/19 14:40	5/30/19 15:20	0.30	1.6	0.7	29,945
6/1/19 21:50	6/1/19 22:40	0.38	3.9	0.8	17,058
6/1/19 21:50	6/1/19 22:40	0.38	3.9	0.8	17,058

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/10/19 23:40	6/11/19 0:10	0.34	4.8	0.5	6,911
6/10/19 23:40	6/11/19 0:10	0.34	4.8	0.5	6,911
6/13/19 3:30	6/13/19 3:50	0.62	8.5	0.3	763
6/13/19 3:30	6/13/19 3:50	0.62	8.5	0.3	763
6/19/19 18:40	6/19/19 18:50	0.24	2.0	0.2	1,860
6/19/19 18:40	6/19/19 18:50	0.24	2.0	0.2	1,860
6/20/19 11:20	6/20/19 12:10	0.62	3.4	0.8	71,784
6/20/19 11:20	6/20/19 12:10	0.62	3.4	0.8	71,784
6/25/19 1:20	6/25/19 4:20	0.48	2.9	1.7	34,965
6/25/19 1:20	6/25/19 4:20	0.48	2.9	1.7	34,965
7/6/19 17:10	7/6/19 19:20	1.01	3.0	2.2	198,988
7/7/19 21:30	7/8/19 7:50	1.04	7.6	2.7	108,666
7/16/19 16:50	7/16/19 17:50	0.38	2.0	0.8	37,878
8/1/19 15:30	8/1/19 16:20	0.48	1.1	0.8	75,401
8/6/19 13:40	8/6/19 14:40	0.43	1.0	1.0	60,533
8/7/19 11:30	8/7/19 12:30	0.40	1.5	0.8	42,044
8/16/19 14:00	8/16/19 15:20	1.27	1.4	1.3	285,149
8/18/19 20:00	8/18/19 21:00	0.81	0.8	1.0	178,503
8/23/19 8:20	8/23/19 8:50	0.43	6.9	0.5	7,792
8/28/19 14:00	8/28/19 14:40	0.24	2.3	0.7	7,373
9/2/19 5:10	9/2/19 6:50	1.32	2.0	1.7	319,554
9/12/19 2:00	9/12/19 2:40	0.44	1.8	0.7	42,367
9/12/19 16:50	9/12/19 17:20	0.34	2.8	0.5	13,294
10/7/19 16:50	10/7/19 19:30	0.60	11.5	0.8	19,269
10/16/19 11:40	10/16/19 15:50	1.12	6.4	4.2	170,064
10/22/19 14:20	10/22/19 16:10	0.48	4.0	1.7	41,973
10/27/19 5:10	10/27/19 9:10	1.13	6.6	3.5	171,232
10/30/19 20:50	10/31/19 20:50	2.89	14.2	4.7	549,228
11/24/19 0:00	11/24/19 3:10	1.01	12.2	2.0	39,488
12/14/19 11:50	12/14/19 13:40	0.69	6.4	1.5	27,999
12/30/19 7:00	12/30/19 7:20	0.23	0.0	0.3	4,628
1/0/00 0:00	1/0/00 0:10	0.24	3.3	0.7	5,479
1/0/00 0:00	1/0/00 0:10	0.14	0.5	0.2	1,024
1/0/00 0:00	1/0/00 0:10	0.25	2.8	0.2	1,216
1/0/00 0:00	1/0/00 0:10	0.24	3.3	0.7	5,479
CSO-57					*8,600,031*
1/19/19 20:30	1/20/19 2:20	1.28	12.1	7.3	166,814
1/19/19 20:30	1/20/19 2:20	1.28	12.1	7.3	166,814
1/24/19 2:50	1/24/19 13:50	1.29	13.8	8.8	195,015
1/24/19 2:50	1/24/19 13:50	1.29	13.8	8.8	195,015
2/7/19 23:00	2/8/19 2:20	0.67	7.4	2.7	78,275
2/7/19 23:00	2/8/19 2:20	0.67	7.4	2.7	78,275
2/20/19 10:40	2/20/19 13:10	0.76	10.5	2.8	68,500
2/20/19 10:40	2/20/19 13:10	0.76	10.5	2.8	68,500
2/24/19 4:40	2/24/19 5:40	0.46	6.8	1.2	32,461
2/24/19 4:40	2/24/19 5:40	0.46	6.8	1.2	32,461
3/1/19 2:30	3/1/19 2:50	0.28	4.3	0.7	7,174
3/1/19 2:30	3/1/19 2:50	0.28	4.3	0.7	7,174
3/3/19 19:20	3/3/19 22:00	0.58	7.2	3.7	48,803
3/3/19 19:20	3/3/19 22:00	0.58	7.2	3.7	48,803
3/10/19 1:00	3/10/19 5:00	0.79	6.8	4.2	114,788
3/10/19 1:00	3/10/19 5:00	0.79	6.8	4.2	114,788
3/21/19 8:00	3/22/19 2:20	2.40	20.0	14.3	381,626

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
3/21/19 8:00	3/22/19 2:20	2.40	20.0	14.3	381,626
4/12/19 19:00	4/13/19 1:30	1.87	9.0	5.5	363,301
4/12/19 19:00	4/13/19 1:30	1.87	9.0	5.5	363,301
4/14/19 18:10	4/15/19 2:30	1.06	5.3	4.0	161,063
4/14/19 18:10	4/15/19 2:30	1.06	5.3	4.0	161,063
4/19/19 15:10	4/19/19 22:00	0.73	4.8	2.2	95,887
4/19/19 15:10	4/19/19 22:00	0.73	4.8	2.2	95,887
4/26/19 14:10	4/26/19 15:40	0.91	7.3	2.0	135,772
4/26/19 14:10	4/26/19 15:40	0.91	7.3	2.0	135,772
5/3/19 21:20	5/3/19 22:00	0.31	3.9	0.8	16,708
5/3/19 21:20	5/3/19 22:00	0.31	3.9	0.8	16,708
5/5/19 15:30	5/5/19 18:20	1.00	16.9	3.0	53,171
5/5/19 15:30	5/5/19 18:20	1.00	16.9	3.0	53,171
5/12/19 2:40	5/12/19 11:50	1.56	14.5	7.3	215,975
5/12/19 2:40	5/12/19 11:50	1.56	14.5	7.3	215,975
5/13/19 9:50	5/13/19 13:40	0.72	5.8	4.3	104,262
5/13/19 9:50	5/13/19 13:40	0.72	5.8	4.3	104,262
5/18/19 23:20	5/19/19 0:10	0.37	0.9	1.2	66,760
5/18/19 23:20	5/19/19 0:10	0.37	0.9	1.2	66,760
5/19/19 19:30	5/19/19 23:40	0.57	4.7	1.8	63,083
5/19/19 19:30	5/19/19 23:40	0.57	4.7	1.8	63,083
5/28/19 5:30	5/28/19 5:50	0.18	0.8	0.3	9,451
5/28/19 5:30	5/28/19 5:50	0.18	0.8	0.3	9,451
5/28/19 16:20	5/29/19 0:30	0.84	5.8	2.8	85,669
5/28/19 16:20	5/29/19 0:30	0.84	5.8	2.8	85,669
5/29/19 16:10	5/29/19 17:40	0.72	2.1	2.0	145,281
5/29/19 16:10	5/29/19 17:40	0.72	2.1	2.0	145,281
5/30/19 14:40	5/30/19 15:20	0.30	1.6	0.8	36,623
5/30/19 14:40	5/30/19 15:20	0.30	1.6	0.8	36,623
6/1/19 21:40	6/1/19 22:40	0.39	3.9	1.8	36,909
6/1/19 21:40	6/1/19 22:40	0.39	3.9	1.8	36,909
6/10/19 23:30	6/11/19 0:10	0.34	4.8	0.8	14,403
6/10/19 23:30	6/11/19 0:10	0.34	4.8	0.8	14,403
6/13/19 3:20	6/13/19 3:50	0.62	8.5	0.8	12,547
6/13/19 3:20	6/13/19 3:50	0.62	8.5	0.8	12,547
6/18/19 3:50	6/18/19 4:00	0.21	1.8	0.3	4,363
6/18/19 3:50	6/18/19 4:00	0.21	1.8	0.3	4,363
6/19/19 18:30	6/19/19 18:50	0.30	2.0	0.5	18,404
6/19/19 18:30	6/19/19 18:50	0.30	2.0	0.5	18,404
6/20/19 11:20	6/20/19 12:00	0.50	3.4	1.0	49,497
6/20/19 11:20	6/20/19 12:00	0.50	3.4	1.0	49,497
6/25/19 1:10	6/25/19 4:10	0.46	2.9	2.0	59,051
6/25/19 1:10	6/25/19 4:10	0.46	2.9	2.0	59,051
6/29/19 13:30	6/29/19 13:40	0.26	1.2	0.3	5,377
6/29/19 13:30	6/29/19 13:40	0.26	1.2	0.3	5,377
7/6/19 17:10	7/6/19 19:20	0.97	3.0	2.5	186,409
7/7/19 21:30	7/8/19 8:00	1.00	7.6	3.8	135,085
7/16/19 16:50	7/16/19 17:50	0.35	2.0	1.5	55,753
8/1/19 15:20	8/1/19 16:10	0.53	1.1	1.3	85,188
8/6/19 13:40	8/6/19 14:30	0.33	1.0	1.2	50,791
8/7/19 11:30	8/7/19 12:40	0.45	1.5	1.5	62,778
8/16/19 14:00	8/16/19 15:20	1.45	1.4	1.8	314,576
8/18/19 20:00	8/18/19 20:50	0.93	0.8	1.5	194,931

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
8/23/19 8:20	8/23/19 8:50	0.41	6.9	0.5	13,074
8/28/19 13:50	8/28/19 14:40	0.25	2.3	1.0	23,959
9/2/19 5:10	9/2/19 6:50	1.35	2.0	2.2	294,560
9/12/19 1:50	9/12/19 2:30	0.43	1.8	1.0	50,687
9/12/19 16:40	9/12/19 17:20	0.33	2.8	0.8	29,883
10/7/19 16:50	10/7/19 20:10	0.58	11.5	2.2	35,944
10/16/19 11:40	10/16/19 16:00	1.11	6.4	4.7	201,012
10/22/19 14:20	10/22/19 16:10	0.47	4.0	2.3	69,225
10/27/19 5:00	10/27/19 9:00	1.12	6.6	4.7	202,722
10/30/19 20:20	10/31/19 21:00	2.89	14.2	7.2	694,987
11/23/19 23:40	11/24/19 3:20	1.02	12.2	2.8	80,593
12/9/19 15:20	12/9/19 15:50	0.38	7.0	0.8	11,276
12/14/19 11:50	12/14/19 13:40	0.69	6.4	2.3	55,885
12/16/19 22:50	12/17/19 0:50	0.59	9.8	2.2	35,326
12/30/19 7:00	12/30/19 7:20	0.23	0.0	0.3	8,165
CSO-58					*745,548*
2/8/19 0:40	2/8/19 0:50	0.68	7.3	0.2	2,297
2/8/19 0:40	2/8/19 0:50	0.68	7.3	0.2	2,297
3/21/19 20:30	3/21/19 20:50	2.39	20.6	0.3	3,688
3/21/19 20:30	3/21/19 20:50	2.39	20.6	0.3	3,688
4/12/19 19:10	4/12/19 23:30	1.73	8.8	1.7	39,845
4/12/19 19:10	4/12/19 23:30	1.73	8.8	1.7	39,845
4/15/19 0:20	4/15/19 2:10	1.07	5.3	0.5	8,688
4/15/19 0:20	4/15/19 2:10	1.07	5.3	0.5	8,688
4/19/19 21:00	4/19/19 21:30	0.73	4.7	0.5	10,211
4/19/19 21:00	4/19/19 21:30	0.73	4.7	0.5	10,211
4/26/19 14:30	4/26/19 14:50	0.86	7.1	0.3	20,122
4/26/19 14:30	4/26/19 14:50	0.86	7.1	0.3	20,122
5/12/19 6:00	5/12/19 10:30	1.51	15.7	0.5	3,383
5/12/19 6:00	5/12/19 10:30	1.51	15.7	0.5	3,383
5/18/19 23:20	5/18/19 23:40	0.33	0.9	0.3	8,044
5/18/19 23:20	5/18/19 23:40	0.33	0.9	0.3	8,044
5/19/19 19:30	5/19/19 19:40	0.53	4.8	0.2	140
5/19/19 19:30	5/19/19 19:40	0.53	4.8	0.2	140
5/28/19 16:20	5/28/19 16:30	0.81	5.9	0.2	6,656
5/28/19 16:20	5/28/19 16:30	0.81	5.9	0.2	6,656
5/29/19 16:40	5/29/19 17:00	0.68	2.1	0.3	18,461
5/29/19 16:40	5/29/19 17:00	0.68	2.1	0.3	18,461
6/19/19 18:30	6/19/19 18:40	0.36	2.3	0.2	2,460
6/19/19 18:30	6/19/19 18:40	0.36	2.3	0.2	2,460
7/6/19 17:20	7/6/19 18:00	0.90	3.0	0.7	22,622
7/8/19 4:40	7/8/19 4:50	0.96	7.5	0.2	5,026
7/16/19 17:00	7/16/19 17:10	0.35	2.0	0.2	1,790
8/1/19 15:10	8/1/19 15:40	0.57	1.1	0.5	17,291
8/6/19 14:00	8/6/19 14:10	0.25	1.0	0.2	1,553
8/7/19 11:40	8/7/19 12:00	0.53	1.8	0.3	6,106
8/16/19 14:00	8/16/19 15:00	1.58	1.4	1.0	98,088
8/18/19 20:00	8/18/19 20:30	0.97	0.8	0.5	56,179
9/2/19 5:10	9/2/19 6:20	1.35	2.1	1.2	67,697
9/12/19 2:00	9/12/19 2:10	0.39	1.8	0.2	4,849
10/16/19 13:40	10/16/19 14:20	1.11	6.4	0.7	5,767
10/27/19 7:40	10/27/19 8:30	1.11	6.9	0.8	14,087
10/31/19 18:40	10/31/19 20:40	2.85	14.2	2.0	196,502

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
CSO-59					48,436,641
1/19/19 20:10	1/20/19 7:00	1.26	13.6	10.8	955,700
1/19/19 20:10	1/20/19 7:00	1.26	13.6	10.8	955,700
1/24/19 2:50	1/24/19 14:40	1.29	14.9	11.2	990,217
1/24/19 2:50	1/24/19 14:40	1.29	14.9	11.2	990,217
2/7/19 23:10	2/8/19 3:00	0.67	7.8	3.8	413,099
2/7/19 23:10	2/8/19 3:00	0.67	7.8	3.8	413,099
2/12/19 11:20	2/12/19 14:00	0.65	15.8	1.5	27,274
2/12/19 11:20	2/12/19 14:00	0.65	15.8	1.5	27,274
2/20/19 10:50	2/20/19 14:10	0.76	11.9	3.3	310,635
2/20/19 10:50	2/20/19 14:10	0.76	11.9	3.3	310,635
2/24/19 4:40	2/24/19 6:20	0.47	8.2	1.7	151,140
2/24/19 4:40	2/24/19 6:20	0.47	8.2	1.7	151,140
3/1/19 2:40	3/1/19 3:40	0.28	4.3	1.0	35,493
3/1/19 2:40	3/1/19 3:40	0.28	4.3	1.0	35,493
3/2/19 2:30	3/2/19 3:40	0.25	4.3	1.2	45,069
3/2/19 2:30	3/2/19 3:40	0.25	4.3	1.2	45,069
3/3/19 18:40	3/3/19 22:50	0.58	8.2	4.2	277,073
3/3/19 18:40	3/3/19 22:50	0.58	8.2	4.2	277,073
3/10/19 1:20	3/10/19 5:50	0.80	7.3	4.5	598,848
3/10/19 1:20	3/10/19 5:50	0.80	7.3	4.5	598,848
3/21/19 8:10	3/22/19 3:10	2.42	21.6	19.0	2,322,324
3/21/19 8:10	3/22/19 3:10	2.42	21.6	19.0	2,322,324
4/12/19 19:10	4/13/19 2:20	1.73	8.9	7.2	2,209,258
4/12/19 19:10	4/13/19 2:20	1.73	8.9	7.2	2,209,258
4/14/19 18:20	4/15/19 3:20	0.97	5.6	6.2	715,986
4/14/19 18:20	4/15/19 3:20	0.97	5.6	6.2	715,986
4/19/19 15:20	4/19/19 22:50	0.71	4.6	3.3	465,105
4/19/19 15:20	4/19/19 22:50	0.71	4.6	3.3	465,105
4/26/19 14:20	4/26/19 16:30	0.78	7.4	2.2	513,222
4/26/19 14:20	4/26/19 16:30	0.78	7.4	2.2	513,222
5/3/19 21:30	5/3/19 22:40	0.30	4.2	1.2	75,500
5/3/19 21:30	5/3/19 22:40	0.30	4.2	1.2	75,500
5/5/19 15:40	5/5/19 19:00	1.01	18.3	3.3	248,812
5/5/19 15:40	5/5/19 19:00	1.01	18.3	3.3	248,812
5/12/19 2:40	5/12/19 12:40	1.57	17.1	8.8	1,090,380
5/12/19 2:40	5/12/19 12:40	1.57	17.1	8.8	1,090,380
5/13/19 10:00	5/13/19 14:40	0.71	6.1	4.7	499,954
5/13/19 10:00	5/13/19 14:40	0.71	6.1	4.7	499,954
5/18/19 23:30	5/19/19 1:00	0.47	0.9	1.5	361,576
5/18/19 23:30	5/19/19 1:00	0.47	0.9	1.5	361,576
5/19/19 19:40	5/20/19 0:40	0.66	4.9	4.2	295,194
5/19/19 19:40	5/20/19 0:40	0.66	4.9	4.2	295,194
5/26/19 13:00	5/26/19 13:40	0.19	0.8	0.7	28,239
5/26/19 13:00	5/26/19 13:40	0.19	0.8	0.7	28,239
5/28/19 5:40	5/28/19 6:20	0.18	0.9	0.7	35,120
5/28/19 5:40	5/28/19 6:20	0.18	0.9	0.7	35,120
5/28/19 16:30	5/29/19 1:10	0.83	6.1	4.2	412,486
5/28/19 16:30	5/29/19 1:10	0.83	6.1	4.2	412,486
5/29/19 16:30	5/29/19 18:30	0.61	2.1	2.0	559,917
5/29/19 16:30	5/29/19 18:30	0.61	2.1	2.0	559,917
5/30/19 14:40	5/30/19 16:10	0.37	1.7	1.5	229,574
5/30/19 14:40	5/30/19 16:10	0.37	1.7	1.5	229,574

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/1/19 21:40	6/1/19 23:50	0.40	3.9	2.2	191,168
6/1/19 21:40	6/1/19 23:50	0.40	3.9	2.2	191,168
6/13/19 3:20	6/13/19 6:30	0.64	9.8	3.2	134,415
6/13/19 3:20	6/13/19 6:30	0.64	9.8	3.2	134,415
6/18/19 4:10	6/18/19 4:20	0.19	2.1	0.2	4,024
6/18/19 4:10	6/18/19 4:20	0.19	2.1	0.2	4,024
6/19/19 18:40	6/19/19 19:30	0.28	2.4	0.8	69,528
6/19/19 18:40	6/19/19 19:30	0.28	2.4	0.8	69,528
6/20/19 11:30	6/20/19 12:50	0.58	3.6	1.3	202,638
6/20/19 11:30	6/20/19 12:50	0.58	3.6	1.3	202,638
6/25/19 1:20	6/25/19 4:40	0.45	3.1	3.0	201,387
6/25/19 1:20	6/25/19 4:40	0.45	3.1	3.0	201,387
6/29/19 13:50	6/29/19 14:10	0.20	1.3	0.3	13,085
6/29/19 13:50	6/29/19 14:10	0.20	1.3	0.3	13,085
7/6/19 17:20	7/6/19 20:30	0.96	2.8	3.2	1,093,994
7/7/19 21:00	7/8/19 8:30	1.29	8.2	6.8	1,209,360
7/16/19 17:10	7/16/19 19:00	0.40	2.1	1.8	232,563
7/22/19 18:50	7/22/19 20:30	0.44	6.8	1.7	67,009
8/1/19 15:30	8/1/19 17:30	0.67	1.3	2.0	675,756
8/6/19 14:00	8/6/19 15:30	0.42	1.1	1.5	256,315
8/7/19 11:50	8/7/19 14:20	0.44	1.8	2.5	416,244
8/16/19 14:10	8/16/19 17:30	1.26	1.4	3.3	2,527,793
8/18/19 20:10	8/18/19 22:10	0.68	0.9	2.0	889,647
8/23/19 8:30	8/23/19 9:40	0.44	7.1	1.2	57,274
8/28/19 14:10	8/28/19 15:10	0.24	2.3	1.0	56,884
9/2/19 5:20	9/2/19 8:40	1.27	1.9	3.3	2,067,026
9/12/19 2:00	9/12/19 3:20	0.42	1.8	1.3	240,640
9/12/19 17:00	9/12/19 18:10	0.32	2.6	1.2	126,206
10/6/19 14:50	10/6/19 15:20	0.24	2.8	0.5	15,586
10/7/19 17:00	10/7/19 21:10	0.59	11.9	3.3	203,807
10/16/19 11:40	10/16/19 17:00	1.11	6.4	5.3	1,158,768
10/22/19 14:40	10/22/19 17:20	0.51	4.0	2.7	340,898
10/27/19 5:10	10/27/19 10:10	1.10	6.8	5.0	1,116,587
10/30/19 20:20	10/31/19 23:50	2.87	14.1	12.2	5,176,195
11/7/19 16:40	11/7/19 16:50	0.37	7.5	0.2	3,804
11/23/19 23:00	11/24/19 4:30	1.00	13.0	5.5	476,123
12/1/19 14:20	12/1/19 14:40	0.47	7.3	0.3	7,507
12/9/19 14:40	12/9/19 16:30	0.39	7.2	1.8	88,365
12/14/19 0:50	12/14/19 14:40	0.70	6.5	6.0	348,180
12/16/19 22:50	12/17/19 1:40	0.58	9.9	2.8	186,678
12/30/19 7:10	12/30/19 7:50	0.24	0.0	0.7	30,555
CSO-60					*1,348,855*
2/8/19 0:40	2/8/19 1:10	0.68	7.0	0.5	7,567
2/8/19 0:40	2/8/19 1:10	0.68	7.0	0.5	7,567
3/10/19 2:30	3/10/19 2:40	0.78	6.6	0.2	1,247
3/10/19 2:30	3/10/19 2:40	0.78	6.6	0.2	1,247
3/21/19 20:20	3/21/19 21:10	2.39	20.6	0.8	13,044
3/21/19 20:20	3/21/19 21:10	2.39	20.6	0.8	13,044
4/12/19 19:00	4/12/19 23:40	1.65	8.3	2.3	69,911
4/12/19 19:00	4/12/19 23:40	1.65	8.3	2.3	69,911
4/14/19 18:10	4/15/19 2:10	1.07	5.3	1.8	28,665
4/14/19 18:10	4/15/19 2:10	1.07	5.3	1.8	28,665
4/19/19 21:00	4/19/19 21:40	0.73	4.5	0.7	21,390

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
4/19/19 21:00	4/19/19 21:40	0.73	4.5	0.7	21,390
4/26/19 14:10	4/26/19 14:50	0.83	6.8	0.7	30,006
4/26/19 14:10	4/26/19 14:50	0.83	6.8	0.7	30,006
5/12/19 6:00	5/12/19 10:50	1.49	15.7	1.5	10,685
5/12/19 6:00	5/12/19 10:50	1.49	15.7	1.5	10,685
5/18/19 23:20	5/18/19 23:40	0.32	0.9	0.3	9,734
5/18/19 23:20	5/18/19 23:40	0.32	0.9	0.3	9,734
5/19/19 19:30	5/19/19 19:40	0.52	4.8	0.2	651
5/19/19 19:30	5/19/19 19:40	0.52	4.8	0.2	651
5/28/19 5:30	5/28/19 5:40	0.23	0.9	0.2	3,945
5/28/19 5:30	5/28/19 5:40	0.23	0.9	0.2	3,945
5/28/19 16:20	5/28/19 16:40	0.79	5.8	0.3	16,778
5/28/19 16:20	5/28/19 16:40	0.79	5.8	0.3	16,778
5/29/19 16:10	5/29/19 17:10	0.66	2.1	1.0	33,078
5/29/19 16:10	5/29/19 17:10	0.66	2.1	1.0	33,078
5/30/19 14:30	5/30/19 15:00	0.33	1.6	0.5	8,122
5/30/19 14:30	5/30/19 15:00	0.33	1.6	0.5	8,122
6/19/19 18:20	6/19/19 18:40	0.38	2.1	0.3	10,070
6/19/19 18:20	6/19/19 18:40	0.38	2.1	0.3	10,070
6/20/19 11:30	6/20/19 11:40	0.43	3.3	0.2	1,413
6/20/19 11:30	6/20/19 11:40	0.43	3.3	0.2	1,413
6/25/19 1:10	6/25/19 1:20	0.44	2.9	0.2	1,350
6/25/19 1:10	6/25/19 1:20	0.44	2.9	0.2	1,350
6/29/19 13:30	6/29/19 13:40	0.30	1.2	0.2	3,656
6/29/19 13:30	6/29/19 13:40	0.30	1.2	0.2	3,656
7/6/19 17:20	7/6/19 18:10	0.87	2.9	0.8	41,751
7/7/19 21:20	7/8/19 5:00	0.95	7.4	0.8	13,935
7/16/19 16:50	7/16/19 17:10	0.35	2.0	0.3	5,425
7/22/19 18:30	7/22/19 18:40	0.53	6.6	0.2	2,067
8/1/19 15:10	8/1/19 15:50	0.59	1.1	0.7	34,358
8/6/19 14:00	8/6/19 14:10	0.22	1.0	0.2	2,834
8/7/19 11:30	8/7/19 12:00	0.56	1.8	0.5	18,038
8/16/19 14:00	8/16/19 15:20	1.63	1.4	1.3	163,785
8/18/19 20:00	8/18/19 20:40	0.99	0.8	0.7	90,822
8/28/19 13:50	8/28/19 14:00	0.27	2.3	0.2	2,651
9/2/19 5:10	9/2/19 6:40	1.36	2.0	1.5	101,789
9/12/19 2:00	9/12/19 2:10	0.37	1.6	0.2	7,810
10/16/19 11:40	10/16/19 14:50	1.10	6.3	2.3	23,331
10/22/19 14:20	10/22/19 14:40	0.47	3.5	0.3	3,931
10/27/19 5:10	10/27/19 8:40	1.10	6.8	1.7	29,802
10/30/19 21:50	10/31/19 21:10	2.83	12.4	2.8	263,899
CSO-61					*26,667,788*
1/19/19 19:30	1/20/19 6:30	1.28	12.6	11.0	578,176
1/19/19 19:30	1/20/19 6:30	1.28	12.6	11.0	578,176
1/24/19 2:20	1/24/19 13:50	1.30	14.3	11.5	597,191
1/24/19 2:20	1/24/19 13:50	1.30	14.3	11.5	597,191
2/7/19 22:50	2/8/19 2:20	0.68	7.2	3.2	246,592
2/7/19 22:50	2/8/19 2:20	0.68	7.2	3.2	246,592
2/12/19 9:20	2/12/19 13:40	0.64	14.3	3.0	60,806
2/12/19 9:20	2/12/19 13:40	0.64	14.3	3.0	60,806
2/20/19 10:20	2/20/19 13:20	0.75	10.8	3.0	196,915
2/20/19 10:20	2/20/19 13:20	0.75	10.8	3.0	196,915
2/24/19 4:30	2/24/19 5:50	0.46	7.5	1.3	88,747

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
2/24/19 4:30	2/24/19 5:50	0.46	7.5	1.3	88,747
3/1/19 2:10	3/1/19 3:10	0.28	4.2	1.0	46,327
3/1/19 2:10	3/1/19 3:10	0.28	4.2	1.0	46,327
3/2/19 2:10	3/2/19 3:00	0.25	3.9	0.8	34,269
3/2/19 2:10	3/2/19 3:00	0.25	3.9	0.8	34,269
3/3/19 18:10	3/3/19 22:10	0.58	7.5	4.0	182,697
3/3/19 18:10	3/3/19 22:10	0.58	7.5	4.0	182,697
3/10/19 0:50	3/10/19 5:10	0.76	6.6	4.3	328,803
3/10/19 0:50	3/10/19 5:10	0.76	6.6	4.3	328,803
3/21/19 7:50	3/22/19 2:20	2.38	20.6	18.5	1,199,201
3/21/19 7:50	3/22/19 2:20	2.38	20.6	18.5	1,199,201
3/25/19 15:50	3/25/19 16:20	0.20	3.7	0.5	17,288
3/25/19 15:50	3/25/19 16:20	0.20	3.7	0.5	17,288
4/12/19 19:00	4/13/19 1:40	1.64	8.5	5.8	880,411
4/12/19 19:00	4/13/19 1:40	1.64	8.5	5.8	880,411
4/14/19 18:00	4/15/19 2:40	1.06	5.8	5.5	505,894
4/14/19 18:00	4/15/19 2:40	1.06	5.8	5.5	505,894
4/19/19 14:40	4/19/19 22:10	0.74	4.7	3.5	334,897
4/19/19 14:40	4/19/19 22:10	0.74	4.7	3.5	334,897
4/26/19 7:20	4/26/19 15:40	0.66	7.2	2.5	233,156
4/26/19 7:20	4/26/19 15:40	0.66	7.2	2.5	233,156
5/3/19 21:10	5/3/19 22:10	0.34	4.0	1.0	76,587
5/3/19 21:10	5/3/19 22:10	0.34	4.0	1.0	76,587
5/5/19 15:20	5/5/19 18:30	0.98	17.4	3.2	159,660
5/5/19 15:20	5/5/19 18:30	0.98	17.4	3.2	159,660
5/12/19 2:30	5/12/19 11:50	1.46	15.9	8.5	544,033
5/12/19 2:30	5/12/19 11:50	1.46	15.9	8.5	544,033
5/13/19 9:30	5/13/19 14:00	0.73	6.1	4.5	317,161
5/13/19 9:30	5/13/19 14:00	0.73	6.1	4.5	317,161
5/18/19 23:20	5/19/19 0:20	0.28	0.9	1.0	110,372
5/18/19 23:20	5/19/19 0:20	0.28	0.9	1.0	110,372
5/19/19 19:30	5/19/19 23:40	0.54	4.8	3.0	137,687
5/19/19 19:30	5/19/19 23:40	0.54	4.8	3.0	137,687
5/26/19 12:40	5/26/19 12:50	0.11	0.8	0.2	5,908
5/26/19 12:40	5/26/19 12:50	0.11	0.8	0.2	5,908
5/28/19 5:20	5/28/19 6:10	0.29	0.9	0.8	104,171
5/28/19 5:20	5/28/19 6:10	0.29	0.9	0.8	104,171
5/28/19 16:20	5/29/19 0:30	0.87	5.8	4.3	338,672
5/28/19 16:20	5/29/19 0:30	0.87	5.8	4.3	338,672
5/29/19 16:10	5/29/19 17:50	0.60	2.2	1.7	322,110
5/29/19 16:10	5/29/19 17:50	0.60	2.2	1.7	322,110
5/30/19 14:20	5/30/19 15:30	0.37	1.8	1.2	163,077
5/30/19 14:20	5/30/19 15:30	0.37	1.8	1.2	163,077
6/1/19 21:10	6/1/19 23:20	0.41	4.0	2.2	145,806
6/1/19 21:10	6/1/19 23:20	0.41	4.0	2.2	145,806
6/10/19 23:30	6/11/19 0:20	0.35	6.0	0.8	45,657
6/10/19 23:30	6/11/19 0:20	0.35	6.0	0.8	45,657
6/13/19 2:40	6/13/19 6:00	0.67	9.2	3.3	133,205
6/13/19 2:40	6/13/19 6:00	0.67	9.2	3.3	133,205
6/18/19 3:20	6/18/19 4:10	0.22	2.0	0.8	54,578
6/18/19 3:20	6/18/19 4:10	0.22	2.0	0.8	54,578
6/19/19 18:20	6/20/19 0:50	0.46	2.5	1.5	130,003
6/19/19 18:20	6/20/19 0:50	0.46	2.5	1.5	130,003

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/20/19 11:10	6/20/19 14:00	0.44	3.8	1.7	75,899
6/20/19 11:10	6/20/19 14:00	0.44	3.8	1.7	75,899
6/25/19 1:00	6/25/19 2:50	0.44	3.0	1.8	160,427
6/25/19 1:00	6/25/19 2:50	0.44	3.0	1.8	160,427
6/29/19 13:30	6/29/19 14:10	0.31	1.6	0.7	74,217
6/29/19 13:30	6/29/19 14:10	0.31	1.6	0.7	74,217
7/6/19 17:20	7/6/19 19:30	0.84	3.0	2.2	462,074
7/7/19 20:50	7/8/19 8:00	1.06	8.1	6.3	476,138
7/16/19 16:50	7/16/19 18:20	0.35	2.0	1.5	145,763
7/17/19 17:00	7/17/19 17:30	0.25	2.5	0.5	31,737
7/22/19 18:30	7/22/19 20:10	0.59	6.9	1.7	115,158
8/1/19 15:10	8/1/19 16:20	0.62	1.3	1.2	339,201
8/6/19 13:50	8/6/19 14:40	0.24	1.0	0.8	83,994
8/7/19 11:30	8/7/19 14:00	0.67	2.0	2.5	351,690
8/8/19 0:10	8/8/19 0:20	0.11	0.7	0.2	5,961
8/16/19 14:00	8/16/19 15:40	1.50	1.4	1.7	1,055,544
8/18/19 20:00	8/18/19 21:10	0.86	1.1	1.2	547,129
8/22/19 22:50	8/23/19 8:50	0.37	6.7	1.7	60,226
8/28/19 13:50	8/28/19 14:50	0.24	2.3	1.0	72,904
9/2/19 5:10	9/2/19 7:00	1.43	2.1	1.8	955,348
9/4/19 14:10	9/4/19 14:30	0.15	0.4	0.3	22,961
9/12/19 0:50	9/12/19 2:40	0.35	1.7	1.8	131,831
9/12/19 16:40	9/12/19 17:30	0.26	2.3	0.8	65,102
10/6/19 12:50	10/6/19 15:00	0.29	2.8	2.2	71,099
10/7/19 16:40	10/7/19 20:20	0.57	11.9	3.3	138,900
10/16/19 11:20	10/16/19 16:00	1.09	6.4	4.7	594,664
10/22/19 14:20	10/22/19 16:20	0.47	3.5	2.0	196,590
10/27/19 4:40	10/27/19 9:10	1.13	7.4	4.5	584,133
10/30/19 19:30	10/31/19 21:20	2.78	12.7	11.3	2,184,624
11/23/19 18:30	11/24/19 3:20	1.04	12.3	6.2	315,740
12/1/19 13:50	12/1/19 14:20	0.45	6.8	0.5	21,310
12/9/19 15:10	12/9/19 15:50	0.35	6.8	0.7	30,811
12/14/19 1:10	12/14/19 13:50	0.68	7.7	5.5	213,672
12/16/19 22:40	12/17/19 1:00	0.59	9.4	2.3	118,338
12/30/19 6:50	12/30/19 7:20	0.23	0.0	0.5	33,940
CSO-62					*5,809,939*
1/19/19 19:50	1/20/19 1:50	1.28	12.6	6.0	83,891
1/19/19 19:50	1/20/19 1:50	1.28	12.6	6.0	83,891
1/24/19 2:30	1/24/19 13:40	1.30	14.3	9.0	99,702
1/24/19 2:30	1/24/19 13:40	1.30	14.3	9.0	99,702
2/7/19 23:00	2/8/19 1:30	0.67	7.0	1.3	48,088
2/7/19 23:00	2/8/19 1:30	0.67	7.0	1.3	48,088
2/20/19 10:30	2/20/19 12:30	0.74	10.8	2.0	31,786
2/20/19 10:30	2/20/19 12:30	0.74	10.8	2.0	31,786
2/24/19 4:40	2/24/19 5:30	0.45	7.5	0.8	14,272
2/24/19 4:40	2/24/19 5:30	0.45	7.5	0.8	14,272
3/1/19 2:20	3/1/19 2:50	0.28	4.2	0.5	5,122
3/1/19 2:20	3/1/19 2:50	0.28	4.2	0.5	5,122
3/2/19 2:20	3/2/19 2:30	0.24	3.9	0.2	1,470
3/2/19 2:20	3/2/19 2:30	0.24	3.9	0.2	1,470
3/3/19 18:40	3/3/19 21:50	0.58	7.5	3.0	19,190
3/3/19 18:40	3/3/19 21:50	0.58	7.5	3.0	19,190
3/10/19 1:00	3/10/19 3:50	0.74	6.5	2.8	57,403

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
3/10/19 1:00	3/10/19 3:50	0.74	6.5	2.8	57,403
3/21/19 7:50	3/22/19 1:50	2.37	20.6	14.0	230,899
3/21/19 7:50	3/22/19 1:50	2.37	20.6	14.0	230,899
4/12/19 19:00	4/13/19 1:10	1.64	8.3	3.7	245,965
4/12/19 19:00	4/13/19 1:10	1.64	8.3	3.7	245,965
4/14/19 18:00	4/15/19 2:20	1.08	5.8	3.3	134,974
4/14/19 18:00	4/15/19 2:20	1.08	5.8	3.3	134,974
4/19/19 14:40	4/19/19 21:50	0.75	4.6	2.2	96,392
4/19/19 14:40	4/19/19 21:50	0.75	4.6	2.2	96,392
4/26/19 14:10	4/26/19 15:10	0.55	6.5	1.0	37,562
4/26/19 14:10	4/26/19 15:10	0.55	6.5	1.0	37,562
5/3/19 21:10	5/3/19 22:00	0.36	3.9	0.8	18,031
5/3/19 21:10	5/3/19 22:00	0.36	3.9	0.8	18,031
5/5/19 15:20	5/5/19 18:10	0.97	17.2	2.8	23,037
5/5/19 15:20	5/5/19 18:10	0.97	17.2	2.8	23,037
5/12/19 2:30	5/12/19 11:30	1.42	15.8	5.3	105,133
5/12/19 2:30	5/12/19 11:30	1.42	15.8	5.3	105,133
5/13/19 9:30	5/13/19 13:40	0.73	6.1	4.2	60,635
5/13/19 9:30	5/13/19 13:40	0.73	6.1	4.2	60,635
5/18/19 23:30	5/18/19 23:50	0.19	0.9	0.3	7,124
5/18/19 23:30	5/18/19 23:50	0.19	0.9	0.3	7,124
5/19/19 19:30	5/19/19 23:30	0.52	4.8	1.7	27,067
5/19/19 19:30	5/19/19 23:30	0.52	4.8	1.7	27,067
5/28/19 5:20	5/28/19 5:50	0.32	0.9	0.5	30,888
5/28/19 5:20	5/28/19 5:50	0.32	0.9	0.5	30,888
5/28/19 16:20	5/29/19 0:20	0.91	5.7	2.5	89,246
5/28/19 16:20	5/29/19 0:20	0.91	5.7	2.5	89,246
5/29/19 16:10	5/29/19 17:30	0.59	2.1	1.3	90,181
5/29/19 16:10	5/29/19 17:30	0.59	2.1	1.3	90,181
5/30/19 14:20	5/30/19 15:10	0.39	1.8	0.8	49,351
5/30/19 14:20	5/30/19 15:10	0.39	1.8	0.8	49,351
6/1/19 21:20	6/1/19 22:30	0.42	3.9	1.2	25,648
6/1/19 21:20	6/1/19 22:30	0.42	3.9	1.2	25,648
6/10/19 23:40	6/11/19 0:10	0.35	5.9	0.5	7,854
6/10/19 23:40	6/11/19 0:10	0.35	5.9	0.5	7,854
6/13/19 3:00	6/13/19 5:10	0.67	9.2	1.5	12,169
6/13/19 3:00	6/13/19 5:10	0.67	9.2	1.5	12,169
6/18/19 3:20	6/18/19 4:00	0.24	2.0	0.7	14,092
6/18/19 3:20	6/18/19 4:00	0.24	2.0	0.7	14,092
6/19/19 13:50	6/20/19 1:00	0.53	2.3	1.3	46,948
6/19/19 13:50	6/20/19 1:00	0.53	2.3	1.3	46,948
6/20/19 11:10	6/20/19 14:00	0.46	3.8	1.0	21,839
6/20/19 11:10	6/20/19 14:00	0.46	3.8	1.0	21,839
6/25/19 1:00	6/25/19 2:20	0.44	2.9	1.3	32,139
6/25/19 1:00	6/25/19 2:20	0.44	2.9	1.3	32,139
6/29/19 13:30	6/29/19 20:10	0.35	1.4	0.7	28,876
6/29/19 13:30	6/29/19 20:10	0.35	1.4	0.7	28,876
7/6/19 17:20	7/6/19 19:20	0.83	3.0	2.0	125,469
7/7/19 21:00	7/8/19 7:50	0.97	7.5	3.8	93,406
7/16/19 16:50	7/16/19 17:30	0.36	2.0	0.7	32,410
7/17/19 17:00	7/17/19 17:20	0.25	2.3	0.3	9,285
7/22/19 18:30	7/22/19 19:00	0.62	6.8	0.5	24,128
8/1/19 15:00	8/1/19 16:00	0.61	1.2	1.0	98,458

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Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
8/6/19 13:50	8/6/19 14:20	0.22	1.0	0.5	21,748
8/7/19 11:30	8/7/19 13:50	0.71	1.8	1.8	107,762
8/16/19 14:00	8/16/19 15:10	1.37	1.3	1.2	269,528
8/18/19 20:00	8/18/19 20:40	0.79	1.0	0.7	148,476
8/23/19 8:20	8/23/19 8:40	0.36	6.5	0.3	5,461
8/28/19 13:50	8/28/19 14:40	0.23	2.2	0.8	13,108
9/2/19 5:10	9/2/19 6:40	1.52	2.0	1.5	321,535
9/4/19 14:10	9/4/19 14:20	0.16	0.4	0.2	6,333
9/12/19 0:50	9/12/19 2:20	0.34	1.7	0.8	29,735
9/12/19 16:40	9/12/19 17:10	0.24	2.0	0.5	12,092
10/6/19 13:40	10/6/19 14:50	0.29	2.7	0.7	8,488
10/7/19 16:50	10/7/19 20:10	0.57	11.7	1.7	24,855
10/16/19 11:20	10/16/19 15:40	1.08	6.4	4.3	143,322
10/22/19 14:20	10/22/19 15:50	0.46	3.4	1.5	41,608
10/27/19 4:40	10/27/19 8:50	1.15	7.3	4.2	156,322
10/30/19 20:40	10/31/19 20:40	2.73	12.1	5.8	405,855
11/23/19 22:20	11/24/19 3:00	1.05	11.9	3.5	56,138
12/1/19 13:50	12/1/19 14:00	0.44	6.6	0.2	3,061
12/9/19 15:30	12/9/19 15:40	0.34	6.7	0.2	1,608
12/14/19 11:40	12/14/19 13:30	0.68	7.6	1.8	27,636
12/16/19 22:40	12/17/19 0:50	0.60	9.3	2.2	17,678
12/30/19 6:40	12/30/19 7:10	0.24	0.0	0.5	10,486
CSO-63					*6,672,806*
1/19/19 19:40	1/20/19 5:00	1.28	12.6	7.5	135,732
1/19/19 19:40	1/20/19 5:00	1.28	12.6	7.5	135,732
1/24/19 2:30	1/24/19 13:50	1.30	14.3	9.2	141,818
1/24/19 2:30	1/24/19 13:50	1.30	14.3	9.2	141,818
2/7/19 23:00	2/8/19 2:20	0.67	7.2	2.3	75,563
2/7/19 23:00	2/8/19 2:20	0.67	7.2	2.3	75,563
2/12/19 11:10	2/12/19 13:40	0.63	14.3	0.7	1,954
2/12/19 11:10	2/12/19 13:40	0.63	14.3	0.7	1,954
2/20/19 10:30	2/20/19 13:20	0.74	10.8	2.8	49,615
2/20/19 10:30	2/20/19 13:20	0.74	10.8	2.8	49,615
2/24/19 4:30	2/24/19 5:40	0.45	7.4	1.2	21,685
2/24/19 4:30	2/24/19 5:40	0.45	7.4	1.2	21,685
3/1/19 2:20	3/1/19 3:00	0.28	4.1	0.7	6,131
3/1/19 2:20	3/1/19 3:00	0.28	4.1	0.7	6,131
3/2/19 2:10	3/2/19 2:50	0.24	3.9	0.7	4,468
3/2/19 2:10	3/2/19 2:50	0.24	3.9	0.7	4,468
3/3/19 18:10	3/3/19 22:10	0.57	7.5	4.0	31,541
3/3/19 18:10	3/3/19 22:10	0.57	7.5	4.0	31,541
3/10/19 1:00	3/10/19 5:10	0.74	6.4	4.0	89,903
3/10/19 1:00	3/10/19 5:10	0.74	6.4	4.0	89,903
3/21/19 7:50	3/22/19 2:20	2.37	20.6	14.7	329,840
3/21/19 7:50	3/22/19 2:20	2.37	20.6	14.7	329,840
4/12/19 19:10	4/13/19 1:30	1.64	8.3	4.2	352,040
4/12/19 19:10	4/13/19 1:30	1.64	8.3	4.2	352,040
4/14/19 18:10	4/15/19 2:40	1.08	5.8	4.2	177,159
4/14/19 18:10	4/15/19 2:40	1.08	5.8	4.2	177,159
4/19/19 14:40	4/19/19 22:10	0.75	4.6	2.3	125,287
4/19/19 14:40	4/19/19 22:10	0.75	4.6	2.3	125,287
4/26/19 14:10	4/26/19 15:40	0.52	6.7	1.5	42,116
4/26/19 14:10	4/26/19 15:40	0.52	6.7	1.5	42,116

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Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
5/3/19 21:10	5/3/19 22:10	0.36	3.8	1.0	24,826
5/3/19 21:10	5/3/19 22:10	0.36	3.8	1.0	24,826
5/5/19 15:20	5/5/19 18:20	0.98	17.1	3.0	31,650
5/5/19 15:20	5/5/19 18:20	0.98	17.1	3.0	31,650
5/12/19 2:30	5/12/19 11:50	1.42	15.8	6.3	144,822
5/12/19 2:30	5/12/19 11:50	1.42	15.8	6.3	144,822
5/13/19 9:30	5/13/19 14:00	0.73	6.0	4.5	87,261
5/13/19 9:30	5/13/19 14:00	0.73	6.0	4.5	87,261
5/18/19 23:30	5/19/19 0:10	0.20	0.9	0.7	10,936
5/18/19 23:30	5/19/19 0:10	0.20	0.9	0.7	10,936
5/19/19 19:30	5/19/19 23:40	0.53	4.8	2.0	29,209
5/19/19 19:30	5/19/19 23:40	0.53	4.8	2.0	29,209
5/28/19 5:20	5/28/19 6:10	0.33	0.9	0.8	48,143
5/28/19 5:20	5/28/19 6:10	0.33	0.9	0.8	48,143
5/28/19 16:20	5/29/19 0:30	0.93	5.7	3.0	134,576
5/28/19 16:20	5/29/19 0:30	0.93	5.7	3.0	134,576
5/29/19 16:10	5/29/19 17:50	0.57	2.1	1.7	121,155
5/29/19 16:10	5/29/19 17:50	0.57	2.1	1.7	121,155
5/30/19 14:20	5/30/19 15:30	0.40	1.8	1.2	67,647
5/30/19 14:20	5/30/19 15:30	0.40	1.8	1.2	67,647
6/1/19 21:20	6/1/19 23:20	0.42	3.9	2.0	38,472
6/1/19 21:20	6/1/19 23:20	0.42	3.9	2.0	38,472
6/10/19 23:40	6/11/19 0:20	0.35	5.9	0.7	8,450
6/10/19 23:40	6/11/19 0:20	0.35	5.9	0.7	8,450
6/13/19 2:50	6/13/19 5:30	0.68	9.2	2.0	20,111
6/13/19 2:50	6/13/19 5:30	0.68	9.2	2.0	20,111
6/18/19 3:20	6/18/19 4:10	0.24	2.0	0.8	16,749
6/18/19 3:20	6/18/19 4:10	0.24	2.0	0.8	16,749
6/19/19 13:50	6/20/19 1:10	0.55	2.4	1.7	55,076
6/19/19 13:50	6/20/19 1:10	0.55	2.4	1.7	55,076
6/20/19 11:10	6/20/19 14:10	0.47	3.8	1.3	21,838
6/20/19 11:10	6/20/19 14:10	0.47	3.8	1.3	21,838
6/25/19 1:00	6/25/19 2:50	0.43	2.9	1.8	48,915
6/25/19 1:00	6/25/19 2:50	0.43	2.9	1.8	48,915
6/29/19 13:30	6/29/19 14:10	0.35	1.6	0.7	34,781
6/29/19 13:30	6/29/19 14:10	0.35	1.6	0.7	34,781
7/5/19 11:30	7/5/19 11:40	0.24	4.3	0.2	921
7/6/19 17:20	7/6/19 19:30	0.83	3.0	2.2	186,169
7/7/19 21:00	7/8/19 8:00	1.02	8.1	4.0	142,413
7/16/19 16:50	7/16/19 18:20	0.36	2.0	1.5	47,856
7/17/19 17:00	7/17/19 17:30	0.25	2.5	0.5	8,374
7/22/19 11:40	7/22/19 20:10	0.63	6.5	1.7	38,313
8/1/19 15:00	8/1/19 16:20	0.62	1.3	1.3	147,188
8/6/19 13:50	8/6/19 14:30	0.23	1.0	0.7	26,778
8/7/19 11:30	8/7/19 14:00	0.73	2.0	2.2	157,648
8/8/19 0:10	8/8/19 0:20	0.11	0.7	0.2	1,325
8/16/19 14:00	8/16/19 15:30	1.33	1.3	1.5	398,101
8/18/19 20:00	8/18/19 21:10	0.76	1.1	1.2	201,265
8/22/19 23:00	8/23/19 8:50	0.36	6.6	0.8	6,431
8/28/19 13:50	8/28/19 14:40	0.22	2.2	0.8	12,314
9/2/19 5:10	9/2/19 7:00	1.53	2.0	1.8	474,524
9/4/19 14:10	9/4/19 14:30	0.16	0.4	0.3	7,576
9/12/19 0:50	9/12/19 2:40	0.33	1.7	1.0	35,615

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
9/12/19 16:40	9/12/19 17:30	0.24	1.9	0.8	15,453
10/6/19 13:30	10/6/19 15:00	0.30	2.6	1.2	11,072
10/7/19 16:50	10/7/19 20:20	0.57	11.6	1.8	32,069
10/16/19 11:20	10/16/19 16:00	1.08	6.4	4.7	213,397
10/22/19 14:20	10/22/19 16:20	0.47	3.4	2.0	61,914
10/27/19 4:40	10/27/19 9:10	1.16	7.4	4.5	223,300
10/30/19 19:30	10/31/19 21:40	2.73	12.2	7.5	1,001,761
11/23/19 22:30	11/24/19 3:20	1.06	12.1	3.7	77,205
12/1/19 13:50	12/1/19 14:10	0.43	6.4	0.3	2,745
12/9/19 15:20	12/9/19 15:50	0.34	6.8	0.5	4,123
12/14/19 1:10	12/14/19 13:50	0.68	7.7	3.3	43,831
12/16/19 22:40	12/17/19 1:00	0.60	9.3	2.3	24,466
12/30/19 6:50	12/30/19 7:20	0.24	0.0	0.5	9,717
CSO-64					*1,109,630*
1/19/19 21:30	1/19/19 23:00	1.28	12.6	0.2	331
1/19/19 21:30	1/19/19 23:00	1.28	12.6	0.2	331
1/24/19 9:10	1/24/19 9:30	1.30	14.3	0.2	474
1/24/19 9:10	1/24/19 9:30	1.30	14.3	0.2	474
2/8/19 0:40	2/8/19 1:10	0.67	7.0	0.5	7,400
2/8/19 0:40	2/8/19 1:10	0.67	7.0	0.5	7,400
2/20/19 10:40	2/20/19 12:10	0.74	10.8	0.2	369
2/20/19 10:40	2/20/19 12:10	0.74	10.8	0.2	369
3/10/19 2:10	3/10/19 3:50	0.73	6.3	0.7	1,980
3/10/19 2:10	3/10/19 3:50	0.73	6.3	0.7	1,980
3/21/19 7:50	3/21/19 21:20	2.36	20.6	1.5	11,807
3/21/19 7:50	3/21/19 21:20	2.36	20.6	1.5	11,807
4/12/19 19:10	4/12/19 23:40	1.64	8.0	1.8	56,976
4/12/19 19:10	4/12/19 23:40	1.64	8.0	1.8	56,976
4/14/19 18:10	4/15/19 2:10	1.09	5.8	2.0	24,009
4/14/19 18:10	4/15/19 2:10	1.09	5.8	2.0	24,009
4/19/19 20:50	4/19/19 21:40	0.76	4.5	0.8	20,771
4/19/19 20:50	4/19/19 21:40	0.76	4.5	0.8	20,771
4/26/19 14:30	4/26/19 14:50	0.48	6.5	0.3	2,825
4/26/19 14:30	4/26/19 14:50	0.48	6.5	0.3	2,825
5/3/19 21:20	5/3/19 21:50	0.37	3.8	0.2	532
5/3/19 21:20	5/3/19 21:50	0.37	3.8	0.2	532
5/12/19 6:00	5/12/19 11:10	1.40	15.8	1.3	10,289
5/12/19 6:00	5/12/19 11:10	1.40	15.8	1.3	10,289
5/13/19 9:50	5/13/19 10:50	0.73	6.0	0.7	2,126
5/13/19 9:50	5/13/19 10:50	0.73	6.0	0.7	2,126
5/19/19 19:30	5/19/19 23:00	0.52	4.6	0.3	867
5/19/19 19:30	5/19/19 23:00	0.52	4.6	0.3	867
5/28/19 5:30	5/28/19 5:50	0.34	0.9	0.3	7,990
5/28/19 5:30	5/28/19 5:50	0.34	0.9	0.3	7,990
5/28/19 16:20	5/28/19 23:40	0.95	5.5	0.7	19,351
5/28/19 16:20	5/28/19 23:40	0.95	5.5	0.7	19,351
5/29/19 16:10	5/29/19 17:10	0.57	2.0	0.7	20,055
5/29/19 16:10	5/29/19 17:10	0.57	2.0	0.7	20,055
5/30/19 14:20	5/30/19 15:00	0.41	1.8	0.7	9,915
5/30/19 14:20	5/30/19 15:00	0.41	1.8	0.7	9,915
6/1/19 21:50	6/1/19 22:20	0.42	3.9	0.3	915
6/1/19 21:50	6/1/19 22:20	0.42	3.9	0.3	915
6/18/19 3:20	6/18/19 3:50	0.25	2.0	0.2	964

CAPITAL REGION WATER
Combined Sewer Overflow Report by Outfalls - H/H Model Simulation
01/01/2019 - 12/31/2019

Overflow Start Time	Overflow End Time	Amount of Rain (in)	Duration of Rain (hr)	Duration of Overflow (hr)	Volume of Overflow (Gallons)
6/18/19 3:20	6/18/19 3:50	0.25	2.0	0.2	964
6/19/19 13:50	6/20/19 0:50	0.57	1.9	0.5	9,842
6/19/19 13:50	6/20/19 0:50	0.57	1.9	0.5	9,842
6/20/19 11:10	6/20/19 14:00	0.48	3.8	0.7	1,224
6/20/19 11:10	6/20/19 14:00	0.48	3.8	0.7	1,224
6/25/19 1:00	6/25/19 1:50	0.43	2.9	0.7	2,373
6/25/19 1:00	6/25/19 1:50	0.43	2.9	0.7	2,373
6/29/19 13:30	6/29/19 13:50	0.36	1.4	0.3	7,930
6/29/19 13:30	6/29/19 13:50	0.36	1.4	0.3	7,930
7/6/19 17:20	7/6/19 18:10	0.83	3.0	0.8	27,930
7/7/19 21:00	7/8/19 7:30	0.98	7.4	1.2	13,348
7/16/19 16:50	7/16/19 17:20	0.36	2.0	0.3	6,250
7/17/19 17:00	7/17/19 17:20	0.25	2.3	0.3	890
7/22/19 18:30	7/22/19 18:50	0.65	6.3	0.3	6,406
8/1/19 15:00	8/1/19 15:50	0.62	1.2	0.8	26,812
8/6/19 13:50	8/6/19 14:10	0.22	0.9	0.3	5,808
8/7/19 11:40	8/7/19 13:40	0.75	1.7	1.0	30,308
8/16/19 14:00	8/16/19 15:00	1.28	1.3	1.0	77,063
8/18/19 20:00	8/18/19 20:40	0.73	1.0	0.7	41,494
8/28/19 13:50	8/28/19 14:10	0.22	2.2	0.2	158
9/2/19 5:10	9/2/19 6:40	1.56	2.0	1.5	110,204
9/4/19 14:10	9/4/19 14:20	0.16	0.4	0.2	1,581
9/12/19 0:50	9/12/19 2:20	0.33	1.7	0.3	5,948
9/12/19 16:50	9/12/19 17:10	0.23	1.8	0.3	688
10/7/19 19:00	10/7/19 19:20	0.57	11.3	0.3	1,040
10/16/19 11:20	10/16/19 15:00	1.08	6.4	2.5	15,862
10/22/19 14:20	10/22/19 15:20	0.46	3.4	0.7	3,792
10/27/19 4:40	10/27/19 8:40	1.17	7.3	1.7	23,438
10/30/19 21:00	10/31/19 20:50	2.71	11.8	2.8	265,946
11/24/19 1:30	11/24/19 2:10	1.06	11.7	0.5	1,525
12/14/19 11:50	12/14/19 12:00	0.68	7.6	0.2	183
12/30/19 6:50	12/30/19 7:10	0.24	0.0	0.3	331

APPENDIX K-4

PRECIPITATION REPORT

CAPITAL REGION WATER

Summary Rainfall Report

01/01/2019-12/31/2019

Start Date & Time	End Date & Time	Duration (hr)	Total Depth (Inches)	Max Intensity (In/hr)
01/04/19 21:40	01/05/19 14:05	16.42	0.25	0.10
01/07/19 22:40	01/08/19 00:55	2.25	0.08	0.07
01/08/19 12:35	01/09/19 01:20	12.75	0.15	0.10
01/12/19 19:55	01/13/19 04:50	8.92	0.10	0.03
01/17/19 18:40	01/18/19 04:10	9.50	0.05	0.01
01/19/19 17:20	01/20/19 10:20	17.00	1.29	0.20
01/23/19 13:30	01/24/19 14:10	24.67	1.30	0.18
01/29/19 12:40	01/29/19 17:40	5.00	0.11	0.04
02/01/19 09:30	02/01/19 15:30	6.00	0.04	0.01
02/06/19 13:50	02/06/19 22:30	8.67	0.16	0.05
02/07/19 16:15	02/08/19 07:30	15.25	0.68	0.24
02/10/19 21:30	02/11/19 10:55	13.42	0.16	0.04
02/11/19 19:00	02/12/19 23:50	28.83	0.65	0.08
02/17/19 16:55	02/18/19 02:35	9.67	0.09	0.05
02/20/19 07:05	02/20/19 23:50	16.75	0.77	0.16
02/23/19 16:35	02/24/19 08:50	16.25	0.46	0.17
02/28/19 23:40	03/01/19 04:55	5.25	0.28	0.14
03/01/19 22:45	03/02/19 03:35	4.83	0.25	0.10
03/03/19 14:10	03/03/19 23:55	9.75	0.58	0.11
03/09/19 22:40	03/10/19 07:30	8.83	0.80	0.23
03/21/19 03:40	03/22/19 04:55	25.25	2.41	0.35
03/25/19 12:05	03/25/19 17:10	5.08	0.20	0.08
04/05/19 12:05	04/05/19 21:00	8.92	0.16	0.05
04/07/19 19:30	04/08/19 01:35	6.08	0.11	0.07
04/12/19 11:50	04/13/19 04:35	16.75	1.70	0.59
04/14/19 15:40	04/15/19 03:25	11.75	1.01	0.32
04/19/19 13:35	04/20/19 02:05	12.50	0.75	0.45
04/23/19 18:50	04/23/19 20:45	1.92	0.05	0.05
04/25/19 23:25	04/26/19 16:20	16.92	0.69	0.38
04/28/19 05:00	04/28/19 08:15	3.25	0.10	0.06
05/03/19 17:50	05/04/19 03:50	10.00	0.30	0.14
05/04/19 17:35	05/05/19 20:10	26.58	1.03	0.13
05/09/19 13:30	05/09/19 15:25	1.92	0.04	0.04
05/10/19 13:45	05/10/19 19:30	5.75	0.13	0.08
05/11/19 15:15	05/12/19 22:25	31.17	1.58	0.27
05/13/19 08:00	05/13/19 14:15	6.25	0.70	0.22
05/18/19 23:10	05/19/19 00:15	1.08	0.31	0.31
05/19/19 15:55	05/20/19 00:55	9.00	0.74	0.23
05/23/19 21:00	05/23/19 21:30	0.50	0.05	0.05
05/25/19 21:45	05/25/19 22:35	0.83	0.03	0.03
05/26/19 12:25	05/26/19 13:20	0.92	0.12	0.12
05/28/19 04:55	05/28/19 05:55	1.00	0.19	0.19
05/28/19 12:45	05/29/19 04:55	16.17	0.81	0.29

CAPITAL REGION WATER
Summary Rainfall Report
01/01/2019-12/31/2019

Start Date & Time	End Date & Time	Duration (hr)	Total Depth (Inches)	Max Intensity (In/hr)
05/29/19 13:35	05/29/19 17:45	4.17	0.63	0.54
05/30/19 13:40	05/30/19 19:50	6.17	0.32	0.28
06/01/19 19:30	06/01/19 23:40	4.17	0.38	0.18
06/02/19 14:20	06/02/19 17:55	3.58	0.10	0.06
06/10/19 02:10	06/11/19 00:25	22.25	0.32	0.16
06/12/19 22:55	06/13/19 17:55	19.00	0.62	0.13
06/16/19 10:00	06/16/19 15:35	5.58	0.03	0.03
06/16/19 22:20	06/17/19 15:15	16.92	0.16	0.10
06/18/19 01:40	06/18/19 07:20	5.67	0.21	0.14
06/19/19 13:00	06/20/19 01:45	12.75	0.25	0.13
06/20/19 10:30	06/21/19 06:15	19.75	0.60	0.42
06/25/19 00:20	06/25/19 04:10	3.83	0.48	0.25
06/29/19 12:50	06/29/19 20:30	7.67	0.23	0.15
07/04/19 10:00	07/04/19 12:15	2.25	0.11	0.09
07/05/19 09:50	07/05/19 21:40	11.83	0.13	0.03
07/06/19 16:50	07/06/19 20:15	3.42	1.05	0.86
07/07/19 14:00	07/08/19 08:05	18.08	1.10	0.38
07/11/19 03:25	07/11/19 15:15	11.83	0.14	0.07
07/16/19 15:35	07/16/19 21:35	6.00	0.41	0.35
07/17/19 12:45	07/18/19 04:30	15.75	0.24	0.10
07/21/19 21:00	07/21/19 23:40	2.67	0.09	0.04
07/22/19 11:25	07/23/19 05:10	17.75	0.42	0.19
07/28/19 15:05	07/28/19 17:50	2.75	0.09	0.07
07/30/19 15:45	07/30/19 22:30	6.75	0.08	0.08
08/01/19 14:50	08/01/19 16:15	1.42	0.45	0.45
08/06/19 12:55	08/06/19 14:20	1.42	0.52	0.52
08/06/19 21:50	08/06/19 22:25	0.58	0.09	0.09
08/07/19 11:15	08/07/19 15:30	4.25	0.38	0.31
08/07/19 23:35	08/08/19 00:25	0.83	0.04	0.04
08/08/19 11:00	08/08/19 16:20	5.33	0.04	0.04
08/13/19 14:50	08/14/19 01:10	10.33	0.04	0.02
08/15/19 20:40	08/15/19 22:30	1.83	0.04	0.03
08/16/19 13:15	08/16/19 15:15	2.00	1.15	1.10
08/18/19 17:20	08/18/19 20:45	3.42	0.60	0.60
08/22/19 17:00	08/23/19 12:15	19.25	0.42	0.14
08/28/19 13:00	08/28/19 16:15	3.25	0.22	0.20
09/02/19 04:50	09/02/19 08:00	3.17	1.23	1.15
09/04/19 13:30	09/04/19 14:25	0.92	0.11	0.11
09/11/19 21:25	09/12/19 02:35	5.17	0.39	0.27
09/12/19 15:40	09/13/19 04:35	12.92	0.34	0.21
09/14/19 08:15	09/14/19 16:10	7.92	0.04	0.04
09/28/19 17:30	09/28/19 19:10	1.67	0.13	0.12
10/02/19 23:35	10/03/19 20:45	21.17	0.20	0.06

CAPITAL REGION WATER

Summary Rainfall Report

01/01/2019-12/31/2019

Start Date & Time	End Date & Time	Duration (hr)	Total Depth (Inches)	Max Intensity (In/hr)
10/06/19 11:05	10/06/19 15:00	3.92	0.22	0.07
10/07/19 06:10	10/08/19 06:25	24.25	0.62	0.15
10/16/19 09:40	10/16/19 16:25	6.75	1.12	0.38
10/20/19 06:55	10/20/19 18:50	11.92	0.24	0.08
10/22/19 04:40	10/22/19 18:15	13.58	0.50	0.29
10/26/19 19:30	10/27/19 08:50	13.33	1.13	0.50
10/30/19 17:55	10/31/19 23:10	29.25	2.88	1.42
11/07/19 02:00	11/07/19 18:40	16.67	0.38	0.07
11/12/19 01:00	11/12/19 06:45	5.75	0.14	0.06
11/23/19 16:35	11/24/19 10:00	17.42	1.00	0.20
12/01/19 02:55	12/02/19 08:40	29.75	0.46	0.10
12/03/19 23:30	12/04/19 04:25	4.92	0.09	0.06
12/04/19 13:00	12/04/19 17:15	4.25	0.09	0.06
12/09/19 09:25	12/09/19 21:55	12.50	0.39	0.10
12/10/19 07:00	12/11/19 02:30	19.50	0.08	0.02
12/13/2019 10:20	12/13/19 15:30	5.17	0.13	0.07
12/13/2019 22:20	12/14/19 14:50	16.50	0.69	0.19
12/16/2019 17:30	12/17/19 15:00	21.50	0.58	0.11
12/29/2019 5:30	12/29/19 18:15	12.75	0.25	0.06
12/30/2019 0:25	12/30/19 12:45	12.33	0.24	0.14

Total Rainfall:	**47.33**

APPENDIX K-5

DRY WEATHER OVERFLOWS REPORT

Dry Weather CSO Report

CAPITAL REGION | WATER

2/5/2020

InspectionID	Inspection Date	Location	Work Order ID	Overflow Start Time	Overflow Stop Time	Duration of Overflow	Estimated Discharge in Gals.	Estimated Discharge in Gals.Unknown	Comments
CSO-020									
105778	08/06/2019	FRONT & HANNA	28410	9:30	10:30	1.00	371	☐	
					SUMMARY:	**1.00**	**371.00**		
					AVERAGE:	**1.00**	**371.00**		
CSO-028									
109302	09/25/2019	9TH & HERR	30161	8:40	8:50	0.15	111	☐	High Hydraulic flow caused CSO. Shortly after arriving, flow returned back to normal.
					SUMMARY:	**0.15**	**111.00**		
					AVERAGE:	**0.15**	**111.00**		
CSO-041									
113169	11/17/2019	W. MULBERRY & CAMERON		745	815	0.50	65	☐	Called Heather Dock and reported dry weather overflow at 8:50a.m.
					SUMMARY:	**0.50**	**65.00**		
					AVERAGE:	**0.50**	**65.00**		
CSO-062									
93962	03/18/2019	SHANOIS STREET	24956	1:19	1:40	0.25	32	☐	Flushing line on Cameron.
					SUMMARY:	**0.25**	**32.00**		
					AVERAGE:	**0.25**	**32.00**		

Appendix L

Nine Minimum Control (NMC) Plan Summary Table for Capital Region Water's Combined Sewer System

Required Actions	Source of Requirement		Current Level of Implementation	Actions Necessary for Achieving Compliance		Supporting Documentation
	NMC Guidance Section	Partial Consent Decree Paragraph		Description	Deadline	
NMC-1: Proper Operation and Regular Maintenance Programs						
1.1: Regulatory Context						
1.2: Organization, Planning & Budget						
1.2.1: Organization and Responsible Staff	2.1	C(11)(a)(xi)(9)	▪ Developed organizational structure ▪ Increased involvement of wastewater superintendent to provide comprehensive oversight in a single position ▪ Hired additional staff to support remedial work; refined field maintenance and operations structure, Headworks at AWTF	▪ Expand/refine the existing org chart ▪ ~~Hire additional staff for Headworks improvements~~	[1]Annually every Aug 10th ~~Ongoing~~	
1.2.2: Resources Allocated to O&M Activities	2.1	C(11)(a)(xi)(9)	▪ Wastewater Division completed level of effort analysis for remedial work and future preventative maintenance ▪ CRW ~~2017~~ budget defines O&M resources	▪ Assess human and equipment resources ▪ Develop O&M budget	Annually every Dec. 31st Annually every Dec. 31st	See OMM Section 4.12 See Appendix B
1.2.3: Remedial Work Prioritization	2.1	C(11)(a)(vii)	▪ Implemented priority remedial work system, including criticality criteria analysis	▪ Review, refine, apply prioritization criteria	[1]Annually every Aug. 10th	
1.2.4: Equipment Purchase Prioritization	2.1	C(11)(a)(viii)	▪ Implemented priority equipment purchase system	▪ Review, refine, apply prioritization criteria	Annually every Dec. 31st	
1.2.5: O&M Program Review and Revision	2.1	C(11)(a), C(12)	▪ Prepared O&M review, revision protocol ▪ Implemented revisions to O&M program to incorporate Cityworks and new SOPs	▪ Review, revise O&M program	Annually w/ submission on Mar. 31st w/ Ch. 94 Rpt.	
1.3: System Organization and Priorities						
1.3.1 Critical Facilities Definition	2.1	C(11)(a)(i)	▪ CRW interceptors, CSO regulators, and pump stations within the conveyance system are defined as critical. ▪ Collection system manholes were inspected for use in determining critical sections of the collection system ▪ Critical collection system elements are represented in H/H model	▪ Review, refine, apply prioritization criteria	[1]Annually every Aug. 10th	See OMM Section 3.1 & 3.3
1.3.2: Critical Equipment Definition	2.1	C(11)(a)(i)	▪ Current critical equipment list prepared; updated per recent purchases	▪ Update critical equipment list	[1]Annually every Aug. 10th	See OMM Section 3.2 & 3.4
1.3.3: Sewershed / Catchment Delineation	---	C(11)(a)(ii)	▪ Preliminary sewershed delineation complete; sewershed boundaries revised if necessary based on collection system manhole inspection	▪ Refine catchment delineation to reflect new information from systemwide CCTV inspection	Ongoing	
1.3.4: System Characterization and Mapping	---	C(11)(a)(iii)	▪ GIS of conveyance system complete ▪ Updated GIS of collection system based on manhole inspection data	▪ Continue to refine collection system GIS based from systemwide CCTV inspection	Ongoing	
1.4: O&M of CSO Regulator Structures						
1.4.1: Inspection Procedures / Schedules	2.1	C(11)(a)(x),(xi)(5)	▪ Each regulator inspected daily ▪ Prepared CAMP Study Plan ▪ Completed CAMP Study	▪ Continue existing daily regulator inspections ▪ Address CAMP recommendations during design of future regulator enhancement projects under LTCP implementation.	Ongoing Ongoing	See OMM Section 4.1.2 to 4.1.6 See CAMP Study Plan, CBH2OPP (LTCP)
1.4.2: Remedial Repair Procedures / Schedules	2.1	---	▪ Corrective maintenance performed per inspections	▪ None: current approach complies with NMC requirements	Not Applicable	See OMM, Section 4.1.4
1.4.3: Maintenance Procedures / Schedules	2.1	---	▪ Preventive maintenance performed annually	▪ None: current approach complies with NMC requirements	Not Applicable	See OMM, Section 4.1.7
1.4.4: Documentation Procedures	2.1	C(11)(a)(xi)(4)	▪ Activities recorded in Interceptor Service Reports ▪ Cityworks O&M documentation for field work	▪ Continue to update Cityworks for future process changes & regulatory requirements	Ongoing	See OMM, Section 4.1.8
1.5: O&M of Outfalls / Backflow Prevention						
1.5.1: Inspection Procedures / Schedules	2.1	C(11)(a)(x)	▪ Current inspections of diversion weirs/CSO outfalls ▪ Performed CD-required inspections of outfalls to assess structural condition / gate integrity ▪ Initiate gate inspections prior to predicted flood conditions	▪ Perform river intrusion inspections for key locations	Ongoing	See CD Par (G)(31)(c) for inspection requirements See OMM Section 4.2.3 to 4.2.6

[1] Coincides with an existing deliverable date in the Partial Consent Decree

Nine Minimum Control (NMC) Plan Summary Table for Capital Region Water's Combined Sewer System

Required Actions	Source of Requirement		Current Level of Implementation	Actions Necessary for Achieving Compliance		Supporting Documentation
	NMC Guidance Section	Partial Consent Decree Paragraph		Description	Deadline	
1.5.2: Remedial Repair Procedures / Schedules	2.1	G(31)(c)	▪ Work done as identified by existing inspections ▪ Evaluated outfall/gate condition and susceptibility to river intrusion ▪ Defined near-term CSO outfall/regulator reconfiguration strategy for CSOs with <1-yr freeboard ▪ Incorporated river intrusion protection into Front St. PS rehab	▪ None: current approach complies with NMC requirements ▪ Address potential river intrusion during design of future regulator enhancement projects under baseline CBH2OPP implementation. ▪ Implement repairs for CSOs in critical condition	Ongoing Ongoing ~~Ongoing~~2019	See OMM Section 4.2.4 CBH2OPP (LTCP)
1.5.3: Maintenance Procedures / Schedules	2.1	---	▪ Preventive maintenance performed annually. ▪ Performed debris removal identified during inspections	▪ Semi-annual gate exercising and maintenance for all gates	Ongoing	See OMM Section 4.2.7
1.5.4: Documentation Procedures	2.1	C(11)(a)(xi)(4)	▪ Activities recorded in Cityworks	▪ Continue to update Cityworks for future process changes & regulatory requirements	Ongoing	See OMM Section 4.2.8
1.6: O&M of Interceptors						
1.6.1: Inspection Procedures / Schedules	2.1	C(11)(a)(iv)	▪ Comprehensive inventory/inspection completed in 2014; post cleaning inspection completed in 2016	▪ Repeat inspections every 5 years following interceptor rehabilitation	Varies based on cleaning and rehab schedule)	See OMM, Section 4.4.3
1.6.2: Remedial Repair Procedures / Schedules	2.1	C(11)(a)(iv)	▪ ~~30,000 ft sewer rehabilitation~~ ▪ ~~Three projects currently under construction~~Asylum Run interceptor rehabilitation completed	▪ Rehabilitate Paxton Creek Interceptor ▪ Rehabilitate ~~Asylum Run/~~Front St Ph 1 Interceptor ▪ Rehabilitate Front Street Ph 2 Interceptor ▪ Rehabilitate Spring Creek Interceptor	[1]TBD [1]~~Dec. 31, 2018~~TBD [1]~~Dec. 31, 2020~~TBD [1]June 30, 2023	See OMM, Section 4.4.5
1.6.3: Maintenance Procedures / Schedules	2.1	C(11)(a)(xi)(2)	▪ 33,500 ft sewer cleaning identified in 2014; completed cleaning in February 2017	▪ Monitor debris levels in interceptor manholes	Ongoing	See OMM, Section 4.4.4
1.6.4: Documentation Procedures	2.1	C(11)(a)(xi)(4)	▪ Activities recorded in Cityworks	▪ Continue to update Cityworks for future process changes & regulatory requirements	Ongoing	See OMM, Section 4.4.6
1.7: O&M of Pump Stations						
1.7.1: Inspection Procedures / Schedules	2.1	C(11)(a)(xi)(3)	▪ Inspected daily, seven days a week	▪ None: current approach complies with NMC requirements	Not Applicable	See OMM Section 4.3.2
1.7.2: Remedial Repair Procedures / Schedules	2.1	C(11)(a)(xi)(3)	▪ Remedial repairs done as needed and as identified by daily inspections ▪ Completed design of Front Street Pump Station	▪ Implement rehabilitation	Dec. 31, 2019	
1.7.3: Maintenance Procedures / Schedules	2.1	C(11)(a)(xi)(3)	▪ Routine, scheduled preventive maintenance	▪ Develop O&M program for rehabilitated Front Street PS	To Be Determined	See OMM Section 4.3.4.11, 4.3.5.11, 4.3.8
1.7.4: Documentation Procedures	2.1	C(11)(a)(xi)(4)	▪ Activities recorded in Operations Log ▪ Enhanced tracking and reporting via Cityworks	▪ ~~Enhanced tracking and reporting via~~Continue to update Cityworks	~~December 2018~~Ongoing	See OMM Section 4.3
1.8: O&M of Force Mains						
1.8.1: Inspection Procedures / Schedules	2.1	C(11)(a)(v)	▪ Periodic inspections by walking force main length ▪ Conducted internal inspection of all force mains	▪ None: current approach complies with NMC requirements	Not Applicable	See OMM Section 4.5.3
1.8.2: Remedial Repair Procedures / Schedules	2.1	C(11)(a)(v)	▪ Force main in good condition, no remedial repair required	▪ None: current approach complies with NMC requirements	Not Applicable	
1.8.3: Maintenance Procedures / Schedules	2.1	---	▪ Exercise air release valves semi-annually	▪ None: current approach complies with NMC requirements	Not Applicable	See OMM Section 4.5.4
1.8.4: Documentation Procedures	2.1	C(11)(a)(xi)(4)	▪ Commenced Cityworks O&M documentation for field work	▪ Expand reporting via Cityworks	Ongoing	See OMM Section 4.5.5
1.9: O&M of Collection System Sewers						
1.9.1: Inspection Procedures / Schedules	2.1	C(11)(a)(iv)	▪ Routine inspection of "hot spots" and at each regulator chamber ▪ Prioritized systemwide CCTV inspections underway ▪ Conducted rapid inspection of each manhole, sewer segment with pole camera; completed manhole inspection data review	▪ Perform systemwide CCTV inspection	Dec. 31, 2024	See OMM Section 4.6.3
1.9.2: Remedial Repair Procedures / Schedules	2.1	C(11)(a)(iv)	▪ Limited reactive repairs as follow-up from customer complaints ▪ Schedule required remedial activities	▪ Develop rehabilitation project schedule from CCTV inspections	Ongoing	See OMM Sections 4.6.5, 4.6.6
1.9.3: Maintenance Procedures / Schedules	2.1	C(11)(a)(xi)(2)	▪ As required and identified from inspections and customer complaints	▪ Refine and improve existing maintenance procedures and schedule via Cityworks	Ongoing	See OMM Section 4.6.4

[1] Coincides with an existing deliverable date in the Partial Consent Decree

Nine Minimum Control (NMC) Plan Summary Table for Capital Region Water's Combined Sewer System

Required Actions	Source of Requirement		Current Level of Implementation	Actions Necessary for Achieving Compliance		Supporting Documentation
	NMC Guidance Section	Partial Consent Decree Paragraph		Description	Deadline	
1.9.4: Documentation Procedures	2.1	C(11)(a)(xi)(4)	▪ Cityworks O&M documentation for field work	▪ Expand reporting via Cityworks	Ongoing	See OMM Section 4.6.7
1.10: O&M of Inlets / Catch Basins						
1.10.1: Inspection Procedures / Schedules	2.1	C(11)(a)(xi)(1)	▪ Reactive inspections as follow-up from documented customer complaints	▪ Initial inlet cleaning and inspection ▪ Continued reactive inspections from enhanced customer complaint tracking system	December 31, 2021	See OMM Section 4.7.4
1.10.2: Remedial Repair Procedures / Schedules	2.1	C(11)(a)(xi)(1)	▪ Work done as needed as follow-up from completed inspections	▪ Continued work done as needed as follow-up from completed inspections	December 31, 2021	
1.10.3: Maintenance Procedures / Schedules	2.1	C(11)(a)(xi)(1)	▪ Inlet cleaning conducted as follow-up from documented customer complaints	▪ Current reactive maintenance program evolves to a scheduled preventive maintenance program	To Be Determined after remedial cleaning	See OMM Sections 4.7.5, 4.7.6
1.10.4: Documentation Procedures	2.1	C(11)(a)(xi)(4)	▪ Cityworks O&M documentation for field work	▪ Expand reporting via Cityworks	Ongoing	See OMM Section 4.7.7
1.11: Source Investigations						
1.11.1: Food service grease traps	---	C(11)(a)(xi)(7)	▪ See NMC-3	▪ See NMC-3	See NMC-3	
1.11.2: Non-Domestic waste streams	---	C(11)(a)(xi)(8)	▪ See NMC-3	▪ See NMC-3	See NMC-3	
1.11.3: Floatables, Solids, Blockages	---	C(11)(a)(xi)(10)	▪ See NMC-6	▪ See NMC-6	See NMC-6	
1.11.4: Sinkholes	---	C(11)(a)(xi)(6)	▪ Reactive inspections as follow-up from customer complaints or public works reports ▪ Corrective measures implemented as follow-up from completed inspections and investigations ▪ Complete remediation of sinkholes known at CD Date of Lodging	▪ Continued reactive inspections from enhanced customer complaint tracking system	Ongoing	See Appendix C
1.12: Emergency Response Procedures						
1.12.1: Citizen Complaints / Service Requests	2.1	C(11)(a)(vi)	▪ Three methods of emergency response reporting available; existing protocols and procedures available ▪ Provided emergency protocol for typical emergencies ▪ Cityworks documentation	▪ Expand reporting via Cityworks	Ongoing	See OMM Section 4.10
1.12.2 Emergency Maintenance	2.1	C(11)(a)(vi)	▪ Emergency response protocol is in place with contact numbers	▪ None: current approach complies with NMC requirements	Not Applicable	See OMM Section 4.8 & 4.9
1.13: Training Policies and Procedures	2.1	C(11)(a)(ix)	▪ Existing training procedures and classes ▪ Implemented NMC training	▪ Consider enhancements to existing training	[1]Annually every Aug. 10th	See OMM Section 4.11
1.14: Periodic Review of O&M Plans	2.1	C(12)	▪ NMC Plan & OMM preparation	▪ Annual updates to NMC Plan and OMM	Annually	OMM
NMC-2: Maximum Use of the Collection System for Storage						
2.1: Regulatory Context						
2.2: Combined Sewer System Inspection	3.1	C(11)(b)(iii)	▪ See NMC 1.4.1, 1.5.1, 1.6.1, 1.7.1, 1.8.1, 1.9.1, 1.10.1	▪ See NMC 1.4.1, 1.5.1, 1.6.1, 1.7.1, 1.8.1, 1.9.1, 1.10.1	See NMC 1.4.1, 1.5.1, 1.6.1, 1.7.1, 1.8.1, 1.9.1, 1.10.1	See OMM Sections 4.1, 4.2, 4.3, 4.4, and 4.9
2.3: Reduce River Intrusion	---	C(11)(b)(i) C(11)(b)(iv)	▪ See NMC 1.4, 1.5	▪ See NMC 1.4, 1.5	See NMC 1.4, 1.5	See OMM Sections 4.1, 4.2
2.4: Adjustment of Regulator Settings	3.1	C(11)(b)(ii)	▪ Developed H&H Model to assess settings; calibrated H&H model ▪ Confirmation inspections and enhanced documentation for existing regulator settings ▪ Characterized existing system performance ▪ Define initial cost-effective regulator adjustments	▪ Implement recommended regulator enhancement projects under baseline CBH2OPP implementation.	Ongoing	CBH2OPP (LTCP)
2.5: Installation of In-System Controls	3.1	---	▪ Developed H&H Model to assess in-system controls; calibrated H&H model ▪ Characterized existing system performance ▪ Define cost-effective in-system controls, if any	▪ Implement decentralized green-grey stormwater controls within collection system as defined under CBH2OPP	Ongoing	CBH2OPP (LTCP)
2.6: Removal of Obstructions to Flow	3.1	C(11)(b)(iii)	▪ See NMC 1.6.3, 1.9.2, 1.10.2	▪ See NMC 1.6.3, 1.9.2, 1.10.2	See NMC 1.6.3, 1.9.2, 1.10.2	See OMM Sections 4.4.4, 4.6.5, 4.7.5

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Nine Minimum Control (NMC) Plan Summary Table for Capital Region Water's Combined Sewer System

Required Actions	Source of Requirement		Current Level of Implementation	Actions Necessary for Achieving Compliance		Supporting Documentation
	NMC Guidance Section	Partial Consent Decree Paragraph		Description	Deadline	
2.7: Effectiveness Evaluation	---	C(12)	▪ Updated NMC Plan	▪ Review, revise NMC Plan	[1]Annually every Aug. 10th	
NMC-3: Review and Modification of Pretreatment Requirements						
3.1: Regulatory Context						
3.2: Inventory Non-Domestic Dischargers						
3.2.1: Existing Pre-Treatment Program	4.1	---	▪ Regulate existing list of eight industrial dischargers ▪ Reviewed potential facilities for incorporation in pretreatment program	▪ Continue to identify specific facilities with high-risk of wet weather discharge to add to pre-treatment program	Ongoing	
3.2.2: Other Non-Domestic Dischargers	4.1	---	▪ Performed categorical risk assessment of non-domestic land uses, activities of concern in City of Harrisburg ▪ Expanded FOG program w/ informational website	▪ Continue to identify specific facilities, activities, and areas with moderate-risk of wet weather discharge for education, surveillance	Ongoing	See Appendix D
3.3: Assess Impact of Non-Domestic Discharges	4.1	---	▪ CRW enforces pretreatment requirements at eight industrial dischargers ▪ Established protocol with City for inspections	▪ Establish legal authority to inspect and regulate high-risk facilities, activities, and areas ▪ Develop, implement inspections/enforcement in moderate-risk areas	Ongoing To Be Determined	
3.4: Evaluate Feasible Modifications	4.1	---	▪ Not scheduled for implementation	▪ Evaluate Feasible Pretreatment Program Modifications ▪ Evaluate Feasible Modifications for Other Non-Domestic Dischargers	Ongoing Ongoing	
3.5: Effectiveness Evaluation	---	C(12)	▪ Updated NMC Plan	▪ Review, revise NMC Plan	Annually every Aug. 10th	
NMC-4: Maximization of Flow to POTW						
4.1: Regulatory Context						
4.2: Utilize Full Capacity of Conveyance System						
4.2.1: Restore Full Capacity via O&M	5.1	C(11)(c)(i)(1)	▪ Systemwide data collection (see NMC Sections 1.4.1, 1.5.1, 1.6.1, 1.7.1, 1.8.1, 1.9.1, and 1.10.1)	▪ Systemwide remedial cleaning and repair (see NMC Sections 1.4.2, 1.5.2, 1.6.2, 1.7.2, 1.8.2, 1.9.2, 1.10.2)	See NMC-1	See OMM Section 4
4.2.2: Adjust Conveyance System Operation	---	C(11)(c)(i)(2)	▪ Developed H&H Model to assess system capacity; calibrated H&H model; characterized existing system performance ▪ Analyzed contributing flows ▪ Define initial cost-effective regulator adjustments	▪ Implement Front Street Pump Station rehabilitation ▪ Implement recommended regulator enhancement projects under baseline CBH2OPP implementation.	~~Dec. 31, 2019~~2020 Ongoing	CBH2OPP (LTCP)
4.2.3: Reduce Infiltration / Inflow	---	C(11)(c)(i)(3)	▪ Conduct flow monitoring to characterize wet weather inflows from suburban communities ▪ Prepared Capacity Assessment Report; no significant I/I reductions recommended	▪ None: current approach complies with NMC requirements	See NMC 1.9.1	See Par. (E)(30)(c) of Partial CD
4.3: Optimize Wet Weather Performance of AWTF						
4.3.1: Analyze Existing AWTF Performance	5.1	E(24)(h)	▪ Assessment performed in CBH2OPP	▪ Implement recommended AWTF enhancement projects under baseline CBH2OPP implementation	Ongoing	CBH2OPP (LTCP)
4.3.2: Assess Use of Unused Facilities	5.1	E(24)(h)	▪ Assessment performed in CBH2OPP	▪ Implement recommended AWTF enhancement projects under baseline CBH2OPP implementation.	Ongoing	CBH2OPP (LTCP)
4.4: Effectiveness Evaluation	---	C(11)(c)(ii), C(12)	▪ Updated NMC Plan	▪ Review, revise NMC Plan	Annually every Aug 10th	
NMC-5: Elimination of CSOs during Dry Weather						
5.1: Regulatory Context						
5.2: DWO Inspections / Assessment / Reporting	6.1	C(11)(d)(i-iii)	▪ See NMC 1.4.1, 1.4.4	▪ See NMC 1.4.1, 1.4.4	See NMC 1.4.1, 1.4.4	See OMM Section 4.1
5.3: DWO Corrective Actions						
5.3.1: Regulator / Gate Controls	6.1	C(11)(d)(iv)	▪ See NMC 1.4 and 1.5	▪ See NMC 1.4 and 1.5	See NMC 1.4, 1.5, 1.9, 2.4	See OMM Sections 4.1, 4.2, 4.6
5.3.2: Receiving Water Cleanup	6.1	C(11)(d)(v)	▪ See NMC 6.4	▪ See NMC 6.4	Not Applicable	See OMM Section 4.2

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Nine Minimum Control (NMC) Plan Summary Table for Capital Region Water's Combined Sewer System

Required Actions	Source of Requirement		Current Level of Implementation	Actions Necessary for Achieving Compliance		Supporting Documentation
	NMC Guidance Section	Partial Consent Decree Paragraph		Description	Deadline	
5-3: Effectiveness Evaluation	---	C(12)	▪ Updated NMC Plan	▪ Review, revise NMC Plan	[1]Annually every Aug 10th	
NMC-6: Control of Solid and Floatable Materials						
6.1: Regulatory Context						
6.2: O&M of Combined Sewer System	---	C(11)(e)	▪ See NMC-1.4, 1.5	▪ See NMC-1.4, 1.5	See NMC 1.4, 1.5	See OMM Sections 4.1, 4.2
6.3: Evaluate/Define/Implement Corrective Actions						
6.3.1: Pollution Prevention	7.5	C(11)(e)	▪ See NMC-7	▪ See NMC-7		
6.3.2: Collection System Controls	7.1	C(11)(e)	▪ Maintain existing sewer hoods in inlets and catch basins (see NMC 1.10)	▪ Incorporate decentralized green grey stormwater controls within collection system as defined under CBH2OPP	Ongoing	See OMM Section 4.10, CBH2OPP (LTCP)
6.3.3: End-of-Pipe Controls	7.1	C(11)(e)	▪ None	▪ Address floatable control during design of future regulator enhancement projects under baseline CBH2OPP implementation.	Ongoing	CBH2OPP (LTCP)
6.4: Receiving Water Cleanup	7.3	C(11)(e)	▪ Removal of residual solid and floatable materials along shoreline	▪ None, current approach complies with NMC requirements	See NMC 5.2	See OMM Section 4.2
6.5: Effectiveness Evaluation	---	C(12)	▪ Updated NMC Plan	▪ Review, revise NMC Plan	[1]Annually every Aug 10th	
NMC-7: Pollution Prevention Programs to Reduce CSO Contaminants						
7.1: Regulatory Context						
7.2: Street Cleaning	8.1.1	---	▪ Commenced new street sweeping program ▪ Reviewed cost effectiveness of street sweeping	▪ Assess cost-effectiveness of street sweeping ▪ O&M Program for Municipal Operations	[1]Annually every Aug 10th End of MS4 Permit Year 1	Street/Pavement Management Fact Sheet (Appendix E)
7.3: Public Education Programs	8.1.2	---	▪ Established mechanisms for distributing educational materials ▪ Established 6 targeted themes with audiences ▪ Conducted first public awareness survey	▪ Prepare Public Education / Outreach Program ▪ Implement Public Education / Outreach Program ▪ Continue conducting public awareness surveys	End of MS4 Permit Year 1 To Be Determined [1]Annually every Aug 10th	All Fact Sheets (Appendix E) Appendix F
7.4: Solid Waste Collection / Recycling	8.1.3	---	▪ Provided and publicized by City of Harrisburg ▪ Developed coordinated surveillance protocol with City	▪ Distribute public education material ▪ Enact CRW Rules and Regulations	End of MS4 Permit Year 3 Ongoing	Solid Waste Handling / Storage Fact Sheet (Appendix E)
7.5: Product Ban/Substitution	8.1.4	---	▪ None	▪ Provide education about product substitutions where product controls ineffective	To Be Determined	All Fact Sheets (Appendix E)
7.6: Product Use Control	8.1.5	---	▪ None	▪ Distribute public education material	End of MS4 Permit Year 3	Material Handling / Storage Fact Sheet (Appendix E)
7.7: Illegal Dumping	8.1.6	---	▪ Regulated by City of Harrisburg Code ▪ Citizen Complaints/Service Requests (NMC 1.12.1) ▪ Developed coordinated surveillance protocol with City	▪ Distribute public education material ▪ Enact CRW Rules and Regulations	End of MS4 Permit Year 3 Ongoing	Solid Waste Handling / Storage Fact Sheet (Appendix E)
7.8: Bulk Refuse Disposal	8.1.7	---	▪ Provided and publicized by City of Harrisburg ▪ Developed coordinated surveillance protocol with City	▪ Distribute public education material ▪ Enact CRW Rules and Regulations	End of MS4 Permit Year 3 Ongoing	Solid Waste Handling / Storage Fact Sheet (Appendix E)
7.9: Hazardous Waste Collection	8.1.8	---	▪ Provided and publicized by City of Harrisburg ▪ Developed coordinated surveillance protocol with City	▪ Distribute public education material ▪ Enact CRW Rules and Regulations	End of MS4 Permit Year 3 Ongoing	Material Handling / Storage Fact Sheet (Appendix E)
7.10: Water Conservation	8.1.9	---	▪ CRW provides education about water conservation	▪ None: current approach complies with NMC requirements	Not Applicable	
7.11: Non-Domestic Sources	8.1.10	---	▪ See NMC-3	▪ See NMC-3	See NMC-3	
7.12: Effectiveness Evaluation	---	C(12)	▪ Updated NMC Plan	▪ Review, revise NMC Plan	[1]Annually every Aug 10th	
NMC-8: Public Notification						
8.1: Regulatory Context						
8.2: Warning Signs	9.1	C(11)(f)(i-ii)	▪ Inventoried existing signs/assessed optional sites ▪ Installed temporary warning signs ▪ Prepared CSO Signage Plan ▪ Installed 13 new warning signs	▪ Implement CSO Signage Plan	~~To Be Determined~~Ongoing	

[1] Coincides with an existing deliverable date in the Partial Consent Decree

Nine Minimum Control (NMC) Plan Summary Table for Capital Region Water's Combined Sewer System

Required Actions	Source of Requirement		Current Level of Implementation	Actions Necessary for Achieving Compliance		Supporting Documentation
	NMC Guidance Section	Partial Consent Decree Paragraph		Description	Deadline	
8.3: Public Notification	9.1	C(11)(f)(iii,vii)	▪ Established mechanisms for distributing educational materials ▪ Implemented hotline for CSO notification	▪ ~~Implement~~Revise written public notification procedures	Ongoing	
8.4: Public Education	9.1	C(11)(f)(iv)	▪ See NMC 7.3	▪ See NMC 7.3	See NMC 7.3	
8.5: Public Involvement	9.1	C(11)(f)(vi)	▪ Multiple public involvement options provided	▪ None: current approach complies with NMC requirements	Not Applicable	
8.6: Effectiveness Evaluation	---	C(11)(f)(v)	▪ Updated NMC Plan ▪ Cityworks utilized to generate work orders from public	▪ Review, revise NMC Plan	[1]Annually every Aug 10th	
NMC-9: Monitoring to Characterize CSO Impacts / Control Efficacy						
9.1: Regulatory Context						
9.2: Characterize Combined Sewer System	10.1.1	C(11)(a)(i-iii)	▪ See NMC 1.3.4	▪ See NMC 1.3.4	NMC 1.3.4	See OMM Section 2
9.3: CSO Activation Monitoring						
9.3.1: Phase 1: Daily Visual Inspections	10.1.2	C(11)(g)(i)	▪ Daily visual regulator inspections (See NMC 1-4) ▪ 13 Interceptor flow meters ▪ 13 flow meters at regulators to calibrate model (ends 4th quarter 2015) ▪ Calibrated H&H model	▪ Maintain Current Level of visual inspections ▪ Maintain 13 interceptor monitors	Ongoing Ongoing	See OMM Section 4.1
9.3.2: Phase 2: Semi-Automated Detection	10.1.2	C(11)(g)(ii)	▪ Prepared CSO Activation Monitoring Pilot (CAMP) Study Plan by 5/9/15 ▪ Completed CAMP Study	▪ Provide detailed Post-Construction Monitoring Plan according to the framework provided in the CBH2OPP	Ongoing	See CAMP Study Plan, CBH2OPP (LTCP)
9.3.3: Phase 3: Post-Construction Monitoring	10.1.2	C(11)(g)(iii)	▪ Develop draft post construction monitoring plan as part of the CBH2OPP	▪ Implement draft post construction monitoring plan as part of the CBH2OPP	Ongoing	CBH2OPP (LTCP)
9.4: Precipitation Monitoring	10.1.2	C(11)(g)(iv,vi)	▪ Existing network of gauges as per IFMMPP ▪ Existing Gauge Adjusted Radar Rainfall system	▪ Continuation of gauge network to support post construction monitoring program ▪ Continuation of GARR system to support post construction monitoring program	Ongoing	
9.5: Document CSOs	10.1.2	C(11)(g)(v)	▪ See NMC 1.3.1	▪ See NMC 1.3.1		
9.6: Use H/H Model to Characterize CSOs	10.1.2	C(11)(g)(vi)	▪ Developing H&H model and obtaining CSO monitoring data for future calibration	▪ Use calibrated model to quantify and characterize CSOs in semi-annual reports.	[1]Semi-annually, starting Mar. 31, 2017	

[1] Coincides with an existing deliverable date in the Partial Consent Decree

Appendix N

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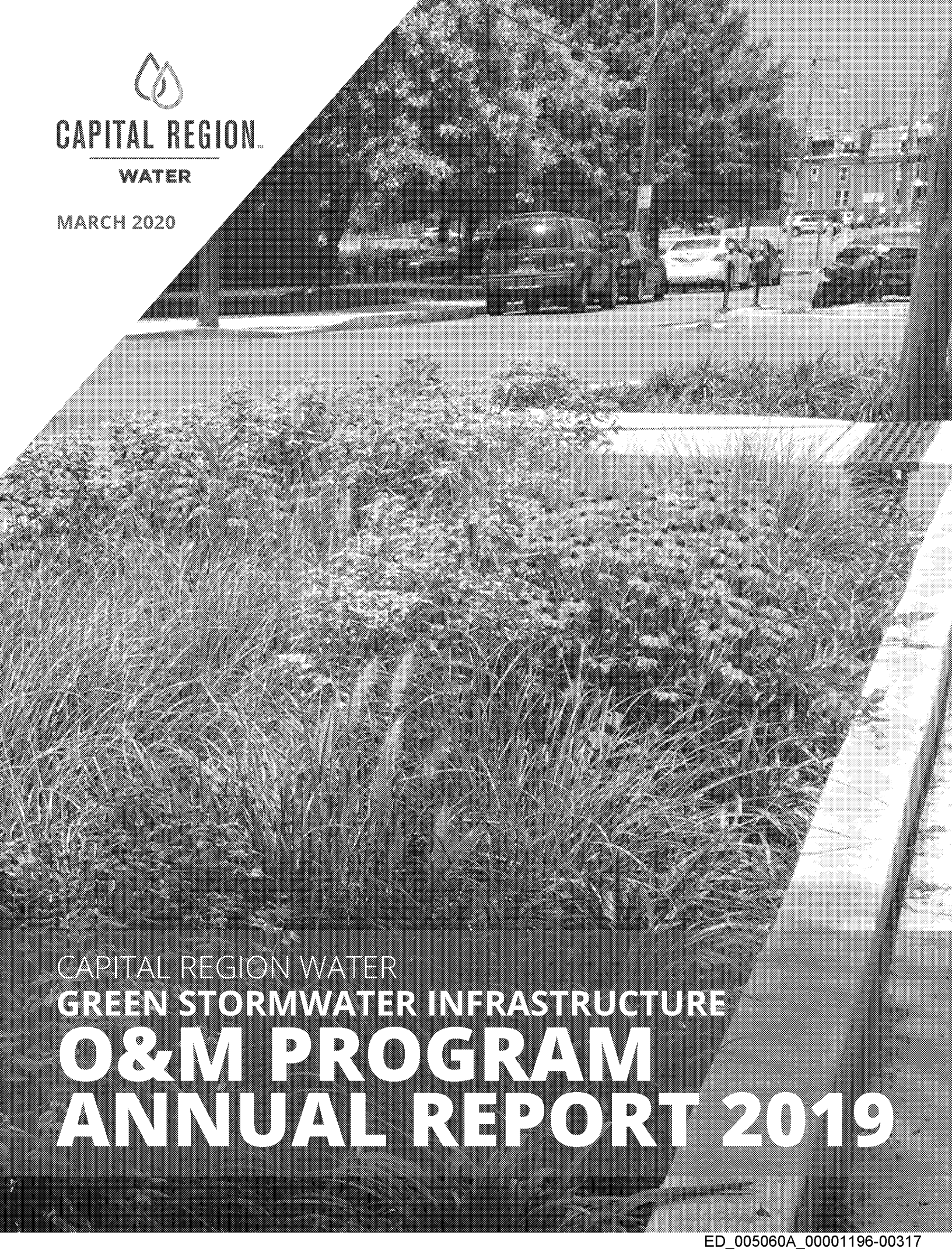
MARCH 2020



CAPITAL REGION WATER

GREEN STORMWATER INFRASTRUCTURE O&M PROGRAM ANNUAL REPORT 2019

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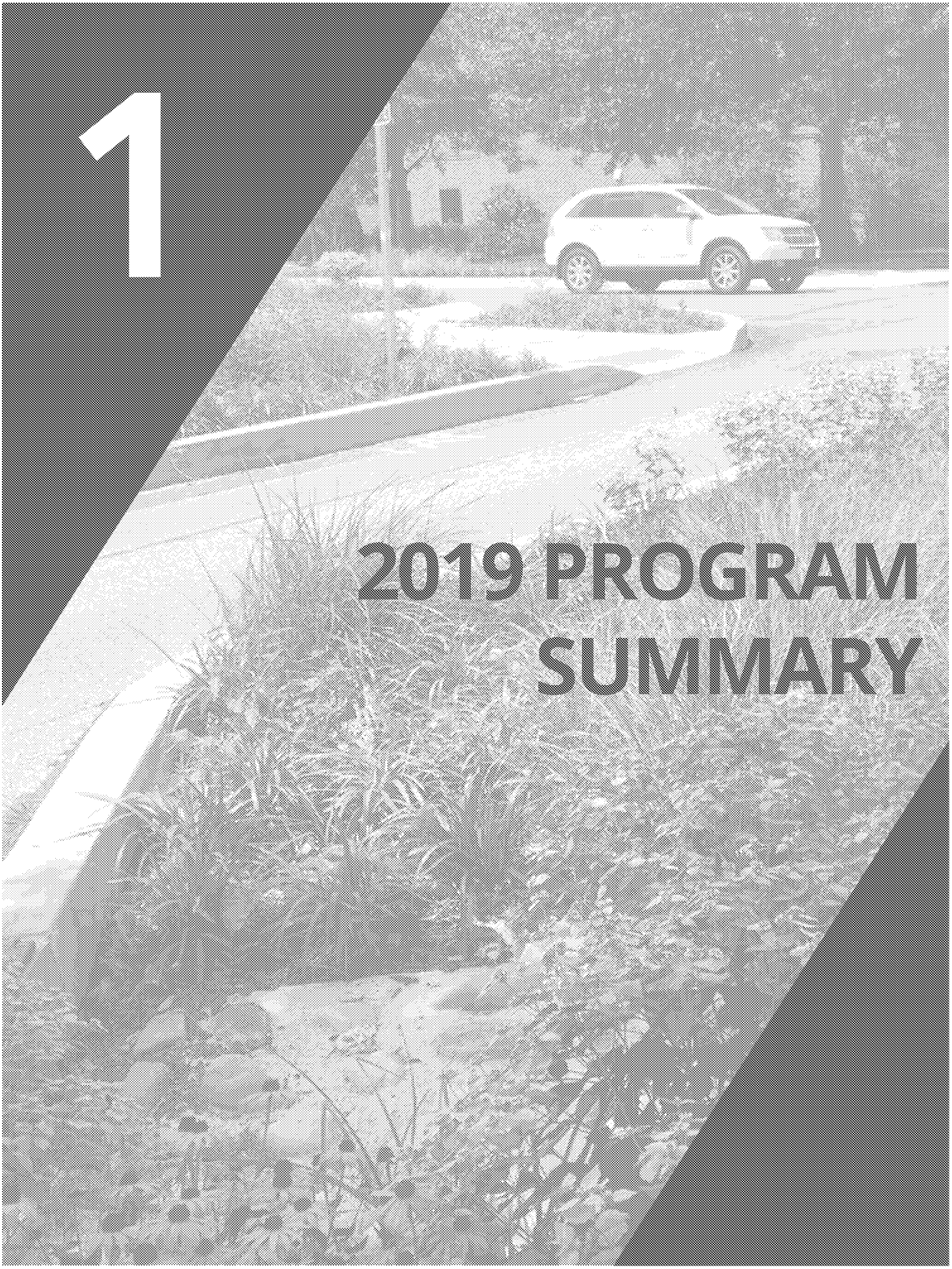

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2019 PROGRAM SUMMARY

INTRODUCTION

The Capital Region Water (CRW) Green Stormwater Infrastructure (GSI) Operations and Maintenance (O&M) Program (the Program) is responsible for executing all necessary inspection and maintenance field services, conducting training and resource development activities, and performing data analysis and reporting functions for all GSI assets owned and operated by CRW. GSI assets owned and operated by CRW consist of stormwater control measures (SCMs) and associated infrastructure and appurtenances.

The Program's inspection and maintenance field services are organized around the following major functional areas:

- **Surface Inspection and Maintenance:** consisting of the O&M of all surface accessible features of GSI assets, including paved and landscaped surfaces, trees, masonry, trench drains and drainage grates, stormwater pre-treatment devices, and directly adjacent right-of-way areas such as sidewalks and gutters.
- **Subsurface Inspection and Maintenance:** consisting of the O&M of GSI pipes, below-grade inlet and flow control structures, and below-grade storage chambers.

This report summarizes 2019 program activities. Additional information regarding the Program is contained in the *Capital Region Water Green Stormwater Infrastructure Operations & Maintenance Program Implementation Plan* (February 2019) and the *Capital Region Water Green Stormwater Infrastructure Operations & Maintenance Manual* (February 2019).

GREEN STORMWATER INFRASTRUCTURE ASSETS

In 2019, inspection and maintenance activities were performed at four project sites, consisting of six systems and twelve hydraulically connected SCMs. These projects account for the management of stormwater runoff generated by 3.8 acres of impervious area. This report contains a summary of 2019 activities at a program-level and provides a review of progress toward program goals. A summary of the Program's systems and SCMs, including their asset ID's, is included in Table 1 below. Additional data is summarized by GSI asset in the appendix of this report.

TABLE 1: 2019 GSI O&M PROGRAM ASSETS

SYSTEM NAME	SCM ID	SCM TYPE
Penn and Sayford	SCM-000001	Rain Garden
	SCM-000002	Rain Garden
Royal Terrace	SCM-000003	Permeable Pavement
	SCM-000004	Storage/Infiltration Trench
Cloverly Heights (S 18th & Pemberton)	SCM-000005	Storage/Infiltration Trench
	SCM-000006	Permeable Pavement
Cloverly Heights (Lowell & Rolleston)	SCM-000007	Rain Garden
	SCM-000008	Storage/Infiltration Trench
Summit Terrace (N Summit & Bailey)	SCM-000009	Rain Garden
	SCM-000010	Storage/Infiltration Trench
Summit Terrace (N 13th & Bailey)	SCM-000011	Rain Garden
	SCM-000012	Storage/Infiltration Trench

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PROGRAM DEVELOPMENT ACTIVITIES

This year marked the first year in which formal program-scale inspection and maintenance was conducted at the GSI asset sites. Beyond the performance of routine inspection and maintenance activities, program development activities during the 2019 calendar year included:

- Completion of the *Capital Region Water Green Stormwater Infrastructure Operations & Maintenance Program Implementation Plan* (February 2019);
- Completion of the *Capital Region Water Green Stormwater Infrastructure Operations & Maintenance Manual* (February 2019);
- Integration of GSI assets into CRW's geographic information system (GIS) database and Cityworks asset management system;
- Training of CRW Operations staff in subsurface maintenance of GSI assets;
- Training of local landscaping contractors in surface maintenance of GSI assets;
- Development of a Hydraulic Test Plan for existing CRW-owned GSI assets; and
- Development of the *Capital Region Water Green Stormwater Infrastructure As-Built Standards Guidance Manual* (January 2020).

INSPECTION AND MAINTENANCE EFFORT

Program inspection and maintenance activities completed during 2019 consisted of:

- Completion of 77 routine surface inspections;
- Completion of 71 subsurface pipe run inspections totaling 2,697 linear feet piping;
  - Video inspection of 16 inlets and structures;
- Completion of 73 surface maintenance work orders with a total of 122 on-site crew hours;
- Completion of 17 subsurface maintenance work orders with a total of 7 on-site crew hours;
- Hydraulic cleaning of 837 linear feet of subsurface piping;
- Vacuum cleaning of 16 inlets and structures; and
- Performance of 6 hydraulic tests.

MAINTENANCE COST SUMMARY

Cost for routine surface maintenance work performed during 2019 totaled $24,400, inclusive of labor and material costs as reported by contractor invoices. On average, this cost was 2.4% of the initial construction cost of GSI assets in the program.

Inspection costs and internal CRW costs for subsurface inspection and maintenance were not evaluated in 2019, but will be evaluated in future program years following full Program integration with the Cityworks asset management system.

Maintenance costs by unit of service are detailed further in the "Review of Program Goals" section of this report under Goal 3, which establishes a baseline for maintenance costs per various units of service.

CONDITION OF STORMWATER CONTROL MEASURES

SCMs inspected during the 2019 calendar year were generally in good condition from a perspective of stormwater function, structural condition, aesthetics, and vegetative health. Inspections found access structures with unlocked removable grates at Cloverly Heights and Summit Terrace as a potential vandalism

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risk. Herbaceous vegetation and shrubs at all sites are well-established, though two of the trees at the Summit Terrace site are in poor condition and require continued monitoring for health.

Subsurface inspections revealed no operation & maintenance defects and two structural defects with subsurface features. One structural defect observed was a broken distribution pipe at Cloverly Heights. The second was a possible loose joint between two pipes at Penn and Sayford. Neither defect appears to have an immediate effect on the functionality of the systems and immediate remediation is not required at this time. Operation & maintenance defects were immediately address through hydraulic cleaning.

Hydraulic testing was performed at all systems in the program during 2019. Drain down times for the subsurface stone trenches beneath were all within a functional range. Surface infiltration rates of permeable pavement sites all exceeded 200 inches per minute. During surface testing, water was observed spilling onto the sidewalk before entering the domed riser of the rain garden on the corner of N 13th Street and Bailey Street. During testing, flow from the subsurface portion of systems at Summit Terrace (N 13th & Bailey), Summit Terrace (N Summit & Bailey), and Royal Terrace systems was directed into the sewer without restriction. See recommendations below for potential corrective maintenance measures.

RECOMMENDATIONS

Recommendations based on inspections conducted during 2019 are provided in two forms. Programmatic recommendations intended to support program optimization and site specific recommendations aimed at remedying issues specific to a site. These recommendations are as follows:

PROGRAMMATIC RECOMMENDATIONS:

- Incorporate the use of the *Capital Region Water Green Stormwater Infrastructure As-Built Standards Guidance Manual* (January 2020) into GSI construction contracts to mitigate common construction issues affecting operations and maintenance.
- Leverage Cityworks inspection and work order data tracking to provide more comprehensive analyses of operations & maintenance data.

SITE-SPECIFIC RECOMMENDATIONS:

- Explore the use of additional plant species to diversify planting at the Cloverly Heights (S 18th & Pemmberton) and Penn and Sayford systems. Consider replacement of some existing riverbank wild rye with a more ornamental species (e.g., Panicum virgatum) to improve the aesthetic appeal of the GSI assets for park users.
- Closely monitor the condition of the two trees at Summit Terrace (N Summit & Bailey) rain garden (SCM-000009) that are in poor condition. If the condition of the two trees does not improve during the spring, consider replacement.
- Secure and lock removable grates/lids for access structures at Cloverly Heights (Lowell & Rolleston) rain garden (SCM-000007) and Summit Terrace (N Summit & Bailey) rain garden (SCM-000009) to deter vandalism.
- Continue to monitor the surface above the known structural defect at the distribution pipe at Cloverly Heights (S 18th & Pemberton) and Penn and Sayford. Continue to conduct routine CCTV inspections to monitor any changes.
- Evaluate system modifications to prevent water from overtopping the sidewalk at Summit Terrace (N 13th & Bailey) rain garden (SCM-000011). Potential solutions to implement include re-grading the existing rain garden surface and modifying the invert elevation of the riser.
- Consider retrofitting flow control or restriction structures to the sewer connection control structures of Summit Terrace (N Summit & Bailey), Summit Terrace (N 13th & Bailey), and Royal Terrace. The outlet structure (SCO-000001) at Royal Terrace is currently missing a PVC utility ball valve to restrict flow through an opening in the weir wall of the structure.

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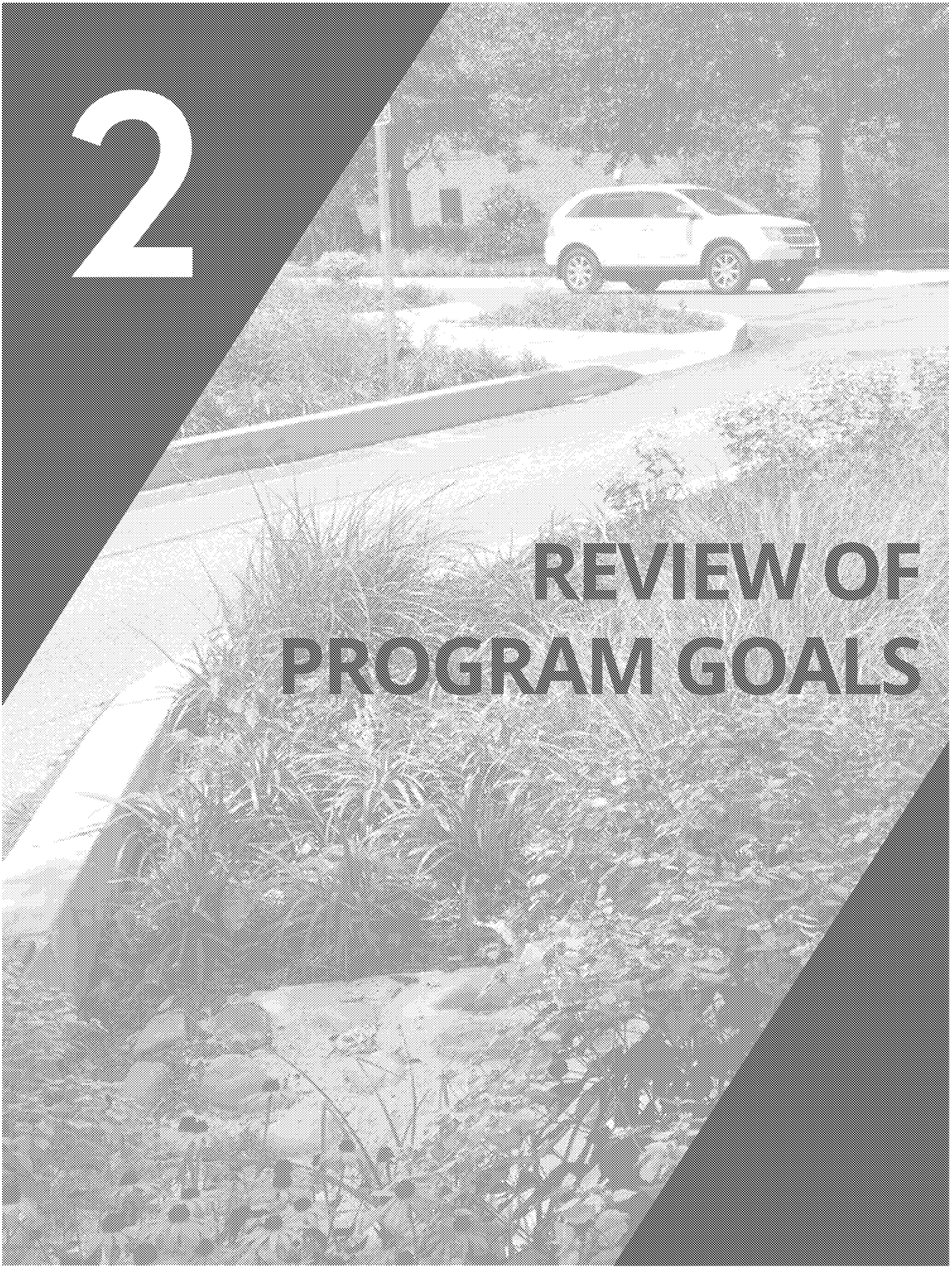

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REVIEW OF PROGRAM GOALS

As part of CRW's Operations and Maintenance Implementation Plan (February 2019), six primary goals were identified for the Program. Each of these six goals are further broken down into several metrics used to evaluate the various aspects of each goal. Each metric has been assigned a corresponding performance indicator used to approximate the success. A summary of goals, metrics, and performance indicators as well as measured performance during the 2019 calendar year are organized by goal below. Metric performance at the GSI Asset level is available in the Appendix.

Several metrics require the establishment of a baseline, or additional Cityworks work order management system data to be evaluated. Future reports will be able to report progress of all metrics.

GOAL 1: ENSURE THE ONGOING STORMWATER MANAGEMENT FUNCTION OF GSI ASSETS

Stormwater management of GSI assets are monitored through six metrics that are determined during surface inspections, subsurface inspections, and hydraulic testing. Table 2 details the metrics and corresponding performance indicators used to measure their success.

TABLE 2: METRICS AND PERFORMANCE INDICATORS FOR GOAL 1

METRIC NUMBER	METRIC	PERFORMANCE INDICATOR	METRIC ACHIEVED	PROGRAM TO DATE METRIC STATUS
1.1	At least 90% of GSI assets do not receive any poor (value of 3) inspection condition scores for function during the year	Overall functional condition score	Met	Met
1.2	GSI assets designed for infiltration infiltrate stormwater at a rate equal to or greater than 90% of design	Infiltration rate	Not enough data	Not enough data
1.3	GSI assets provide at least 90% of their designed storage volume.	Surveyed storage volume	Not enough data	Not enough data
1.4	Structures remain clear, with accumulated sediment and debris depth not exceeding 6 inches in any structure	Sediment depth in chamber	Met	Met
1.5	Pipes remain clear, with sediment and debris occluding no more than 10% of cross-sectional area following maintenance	Maximum percent occlusion of cross-sectional area	Met	Met
1.6	Pipes and structures are structurally sound, and free of structural defects that impact stormwater management function	Number of structural defects observed	Met	Met

METRIC 1.1

At least 90% of GSI assets do not receive any poor (value of 3) inspection condition scores for function during the year

This metric is assessed by an inspector during each surface inspection. Scores vary from one to three, with one indicating the system to be functioning as intended in design, and a three indicating that a system is not functioning as designed and exhibits significant erosion, settling, and/or areas of standing water. A score of three indicates the need for corrective maintenance. For a complete scoring definition, refer to the associated table in the appendix. The mean functional score for all systems during the year 2019 was 1.29. Of the six systems within the program, zero received a functional score of three in 2019, which meets the condition of this metric.

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METRIC 1.2

GSI assets designed for infiltration infiltrate stormwater at a rate equal to or greater than 90% of design

This metric is assessed during hydraulic testing of systems. Design infiltration rates are established during design of vegetated and porous pavement SCMs. Hydraulic testing is performed when a system is first brought into the Program to establish a baseline, periodically to track changes over time, and on an as-needed basis when poor drainage or potential clogging is observed during a surface inspection. A system is considered to meet the criteria of this metric if the measured infiltration rate either meets or exceeds 90% of the intended design infiltration rate. During 2019, infiltration testing was performed on six of the six systems within the Program. Design infiltration rates had not been established for these systems, which makes the results of this metric unavailable; however, issues of prolonged standing water or extended drawdown were not observed during testing.

METRIC 1.3

GSI assets provide at least 90% of their designed storage volume

This metric is initially calculated when a system's as-built survey has been submitted and accepted by CRW, or during hydraulic testing work orders. Using the information provided in the as-built survey, a new survey storage volume is calculated. As of the end of 2019, the four projects that have been completed did not include detailed as-built surveys and therefore this information is unavailable; however, no significant loss of storage volume was observed for any systems during routine inspection activities.

METRIC 1.4

Structures remain clear, with accumulated sediment and debris depth not exceeding 6 inches in any structure

This metric is estimated during subsurface inspections for each pipe run. A pipe run is defined as a continuous length of pipe no greater than 75 feet in length that can be consecutively inspected or maintained. After the CCTV inspection has been complete for a single pipe run, the maximum depth of sediment is recorded for the associated chamber. If there is an associated structure with the pipe run, the maximum amount of sediment within the structure is recorded. During 2019 a total of 17 structures were inspected during subsurface inspections. The mean depth of sediment recorded in these structures was 2 inches. The maximum depth of sediment in a structure observed in 2019 was 6 inches, meeting this metric's criterion. All structures were cleaned to remove observed sediment during subsurface maintenance.

METRIC 1.5

Pipes remain clear, with sediment and debris occluding no more than 10% of cross-sectional area following maintenance

This metric is estimated during subsurface inspections once maintenance has been completed. The mean percent of occlusion of the pipe observed prior to subsurface maintenance was 19 %, and the maximum average percent occlusion observed at a single system was 34%. After subsurface maintenance was completed, the mean percent of pipe occlusion was reduced to 7%, meeting the goal of no more than 10% occlusion.

METRIC 1.6

Pipes and structures are structurally sound, and free of structural defects that impact stormwater management function

This metric is measured during subsurface inspections. Structural defects visible on site without special equipment are noted during surface inspections each month. During 2019, a total of three surface inspection(s) flagged corrective maintenance as a potential measure for addressing the structural defects.

Subsurface structural defects were noted with an appropriate National Association of Sewer Service Companies (NASSCO) code during subsurface maintenance work orders. Of the 54 pipes inspected, two pipes (3.7% of all pipes) had an observed structural defect. This translates to one defect per 0.0007416 linear feet of pipe inspected. After a review of the defects in question, it is recommended that ongoing monitoring occurs to identify any potential impact on the functionality of the GSI assets. Refer to site-specific recommendations for a more complete summary.

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GOAL 2: MAINTAIN THE APPEARANCE OF PLANTS, BEDS, AND SURFACE COMPONENTS FOR ALL GSI ASSETS

The appearance of these GSI assets are tracked during surface inspections, surface work orders, and public complaints filed to CRW. Table 3 details the five metrics and corresponding performance indicators used to measure the success of Goal 2.

TABLE 3: METRICS AND PERFORMANCE INDICATORS FOR GOAL 2

METRIC NUMBER	METRIC	PERFORMANCE INDICATOR	METRIC ACHIEVED	PROGRAM TO DATE METRIC STATUS
2.1	At least 90% of GSI assets do not receive any poor (value of 3) inspection condition score for aesthetics during the year based on visual condition of structures, vegetation, and other site elements	Overall aesthetic condition score	Met	Met
2.2	At least 90% of GSI assets do not receive any poor (value of 4) inspection condition score for vegetation during the growing season (approximately April through October) based on a vegetation growth shape, color, texture, and habit that is appropriate for the species and location	Overall vegetation condition score	Met	Met
2.3	Vegetative cover is not less than 85% in landscaped areas	Percent vegetation coverage	Met	Met
2.4	Trash and debris, if present, are regularly removed from GSI assets	Amount of trash and debris removed	Met	Met
2.5	Public complaints received based on aesthetics are minimal	Number of complaints received	Met	Met

METRIC 2.1

At least 90% of GSI assets do not receive any poor (value of 3) inspection condition score for aesthetics during the year based on visual condition of structures, vegetation, and other site elements

This metric is measured during surface inspections. A poor aesthetic condition score (three) indicates that a system's appearance is unacceptable based on the aesthetic expectations of CRW and the public, and a high aesthetic condition score (one) indicates a system's appearance is excellent. Aesthetic condition scores are in part determined by vegetation condition scores. For a complete scoring definition, refer to the associated table in the appendix. The mean aesthetic condition score for all sites in 2019 was 1.32. A total of 0 systems received an aesthetic condition score of three, meeting the criterion for this metric.

METRIC 2.2

At least 90% of GSI assets do not receive any poor (value of 4) inspection condition score for vegetation during the growing season (approximately April through October) based on a vegetation growth shape, color, texture, and habit that is appropriate for the species and location

A poor vegetation condition score (four) indicates that the majority of plants in a system are dying, dead or missing. A high vegetation condition score (one) indicates that most plants (>85%) are healthy. For a

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complete scoring definition, refer to the associated table in the appendix. This metric is only evaluated during the growing season (approximately April through October). The mean vegetation condition score for all sites in 2019 was 1.53. No systems received a vegetation condition score of four, meeting the criterion of this metric.

METRIC 2.3

Vegetative cover is not less than 85% in landscaped areas

This metric is determined during inspections by estimating the area of the SCM footprint covered with targeted vegetation. This metric is only evaluated over the growing season (April through October). The mean percent of vegetative cover for all SCMs during the growing season in 2019 is 88%, meeting the criterion of this metric.

METRIC 2.4

Trash and debris, if present, are regularly removed from GSI assets

Trash removal occurred during the execution of 57 routine surface maintenance work orders, resulting in the removal of approximately 128 cubic feet of trash, meeting the condition of this metric.

METRIC 2.5

Public complaints received based on aesthetics are minimal

The Program tracks any complaints received from the public related to GSI assets. Complaints are classified as either vegetation, structure, or trash/debris related. In 2019, a total of zero were recorded, meeting this metric.

GOAL 3: OPTIMIZE MAINTENANCE EFFORT AND RESOURCES

Success of Goal 3 is designed to be evaluated at the five and ten year milestone of the program, and reporting on the change in investment per various units of service will be provided in subsequent years. Table 4 details the metrics and corresponding performance indicators used to measure the success of Goal 3, as well as the baseline results for 2019.

TABLE 4: METRICS AND PERFORMANCE INDICATORS FOR GOAL 3

METRIC NUMBER	METRIC	PERFORMANCE INDICATOR	UNITS	VALUE
3.1	Maintenance investments per unit of service decrease per year over the lifetime of the Program	Total maintenance cost per impervious area managed	$/acre of IA	Not enough data
		Surface maintenance cost per impervious area managed	$/acre of IA	6,483
		Subsurface maintenance cost per impervious area managed	$/acre of IA	Not enough data
		Cost per corrective work orders completed	$/corrective work order	No corrective work orders
		Cost per routine surface work order completed	$/routine surface work order	271
		Cost per routine subsurface work order completed	$/ routine subsurface work order	Not enough data
		Cost per length of GSI pipes inspected	$/LF of pipe inspected	Not enough data
		Cost per hours length of GSI pipes cleaned	$/LF of pipe cleaned	Not enough data

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METRIC 3.1

Maintenance investments per unit of service decrease per year over the lifetime of the Program

Values for gallons of water used will be available for year following 2019 once the maintenance program has been fully integrated into CRW's existing Cityworks system. The value for corrective work orders is not available because no corrective work orders were required in 2019.

GOAL 4: TARGET INVESTMENTS TO MAXIMIZE LOCAL, EQUITABLE ECONOMIC IMPACT

This goal is comprised of two metrics, one focused on promoting the creation of a local workforce and one for creating equitable opportunities for disadvantaged business enterprises. Table 5 details the metrics and corresponding performance indicators used to measure the success of the metrics defined as a part of Goal 4.

TABLE 5: METRICS AND PERFORMANCE INDICATORS FOR GOAL 4

METRIC NUMBER	METRIC	PERFORMANCE INDICATOR	METRIC ACHIEVED	PROGRAM TO DATE METRIC STATUS
4.1	Harrisburg residents receive training and apprenticeship opportunities in GSI maintenance	Number of Harrisburg residents trained	Met	Met
4.2	Maximize contributions from DBE contractors and suppliers	Percent of Program budget completed by certified DBEs	Met	Met
	Maximize contributions from DBE contractors and suppliers	Percent of equipment and materials budget sourced through certified DBE suppliers	Met	Met

METRIC 4.1

Harrisburg residents receive training and apprenticeship opportunities in GSI maintenance

This metric is assessed annually based on program data. During 2019 a total of six local residents received training as contractors for GSI surface maintenance, and four CRW staff members received training in GSI subsurface maintenance.

METRIC 4.2

Maximize contributions from DBE contractors and suppliers

This metric is assessed annually based on program data. This metric is assessed with two performance indicators; the percent of the program budget completed by disadvantaged business enterprises (DBEs) and the percent of equipment and materials sourced through DBE suppliers. During 2019, two companies performed surface maintenance, S&A Solutions and DH Landscaping. These companies are a woman-owned business enterprise (WBE) and a minority owned business enterprise (MBE), respectively. Through 2019, DBE contractors have performed 100% of routine surface maintenance work orders.

Sourcing of materials used for surface maintenance was not tracked during 2019. Subsurface maintenance is performed by existing CRW staff.

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GOAL 5: MINIMIZE ENVIRONMENTAL IMPACTS ASSOCIATED WITH O&M

This goal is evaluated through three metrics representative of environmental impacts associated with O&M activities. Table 6 details the metrics and corresponding performance indicators used to measure the success of Goal 5.

TABLE 6: METRICS AND PERFORMANCE INDICATORS FOR GOAL 5

METRIC NUMBER	METRIC	PERFORMANCE INDICATOR	2019 METRIC STATUS	PROGRAM TO DATE METRIC STATUS
5.1	Carbon footprint is monitored and reduced incrementally over the lifetime of the Program	Estimated carbon footprint associated with transit, materials, and water use	In Progress	In Progress
5.2	Overall invasive vegetation cover is limited to less than 5% percent of vegetated areas	Percent invasive vegetation cover	Met	Met
5.3	Maximize the amount of organic waste material that is composted	Percent of organic material composted	In Progress	In Progress

METRIC 5.1

Carbon footprint is monitored and reduced incrementally over the lifetime of the Program

This metric is assessed at the annually based on program data collected from work orders. Carbon footprint was estimated for crew travel based on distance and vehicle type associated with maintenance activities along with the materials used for maintenance. Surface maintenance was assumed to be performed in a landscaping pickup truck, while subsurface maintenance assumed a pickup truck (light-duty truck) as well as a vacuum truck (medium- or heavy-duty truck). Traveling for inspection was assumed to occur in a passenger car. All emission factors for vehicles were taken from the United States Environmental Protection Agency's (EPA's) "Emission Factors for Greenhouse Gas Inventories" (last updated March, 2018). Values for emissions associated with materials (i.e., contractor trash bags) were taken from the University of Bath's "Inventory of Carbon & Energy Database" (version 3.0, last updated November, 2019). Contractor bags were assumed to be three MIL, 42 gallon bags. Water usage was not tracked in 2019, but will be in subsequent years. In 2019, the total carbon footprint of the program was estimated to be 199 kg of CO_2 equivalent, which equates to 52 kg of CO_2 equivalent per acre of impervious area managed.

METRIC 5.2

Overall invasive vegetation cover is limited to less than 5% percent of vegetated areas

This metric is assessed during inspections, and is particularly important for SCMs adjacent to natural areas and/or parks. During the 2019 growing season, the average invasive vegetative cover was 2% of the entire vegetative area, meeting the criterion for this metric.

METRIC 5.3

Maximize the amount of organic waste material that is composted

The establishment of composting sites on CRW premises was not completed in time for the 2019 maintenance year. No organic material collected was reported as being composted.

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GOAL 6: PROMOTE SAFE OPERATION OF GSI ASSETS

Table 7 details the metrics and corresponding performance indicators used to measure the success of Goal 6 and is included below.

TABLE 7: METRICS AND PERFORMANCE INDICATORS FOR GOAL 6

METRIC NUMBER	METRIC	PERFORMANCE INDICATOR	METRIC ACHIEVED	PROGRAM TO DATE METRIC STATUS
6.1	No safety violations by O&M Program personnel	Number of documented safety violations	Met	Met
6.2	Sight lines between street and pedestrian areas, and around intersections, remain unobstructed by vegetation	Observed obstruction of sight lines	Met	Met
6.3	No tripping hazards are present	Observed presence of tripping hazards	Met	Met
6.4	Public complaints received based on observed safety issues are minimal	Number of complaints received	Met	Met

METRIC 6.1

No safety violations by O&M Program personnel

This metric is assessed based on information provided by O&M staff and contractors. No issues were reported during 2019.

METRIC 6.2

Sight lines between street and pedestrian areas, and around intersections, remain unobstructed by vegetation

Site line issues are recorded as safety issues and noted in the comments of surface inspection reports. No safety issues reported were related to vegetation in pedestrian or traffic site lines, meeting the criterion of this metric.

METRIC 6.3

No tripping hazards are present

The presence of tripping hazards are noted in the safety issue section of the surface inspection report. All of the three safety issues reported were related to a tripping hazard found on site at the time of arrival for inspection. In one instance, cinder blocks were removed from the basketball courts at Royal Terrace to resolve the issue. The other safety issue involves the remains of fence post from a recently removed metal fence at the 13th and Bailey system of Summit Terrace. This issue was reported during the September and October surface inspections, and CRW is in the process of correcting the hazard.

METRIC 6.4

Public complaints received based on observed safety issues are minimal

This metric is evaluated at the program level based on public complaints reported to CRW. During 2019 CRW has received 0 public complaints regarding GSI assets.

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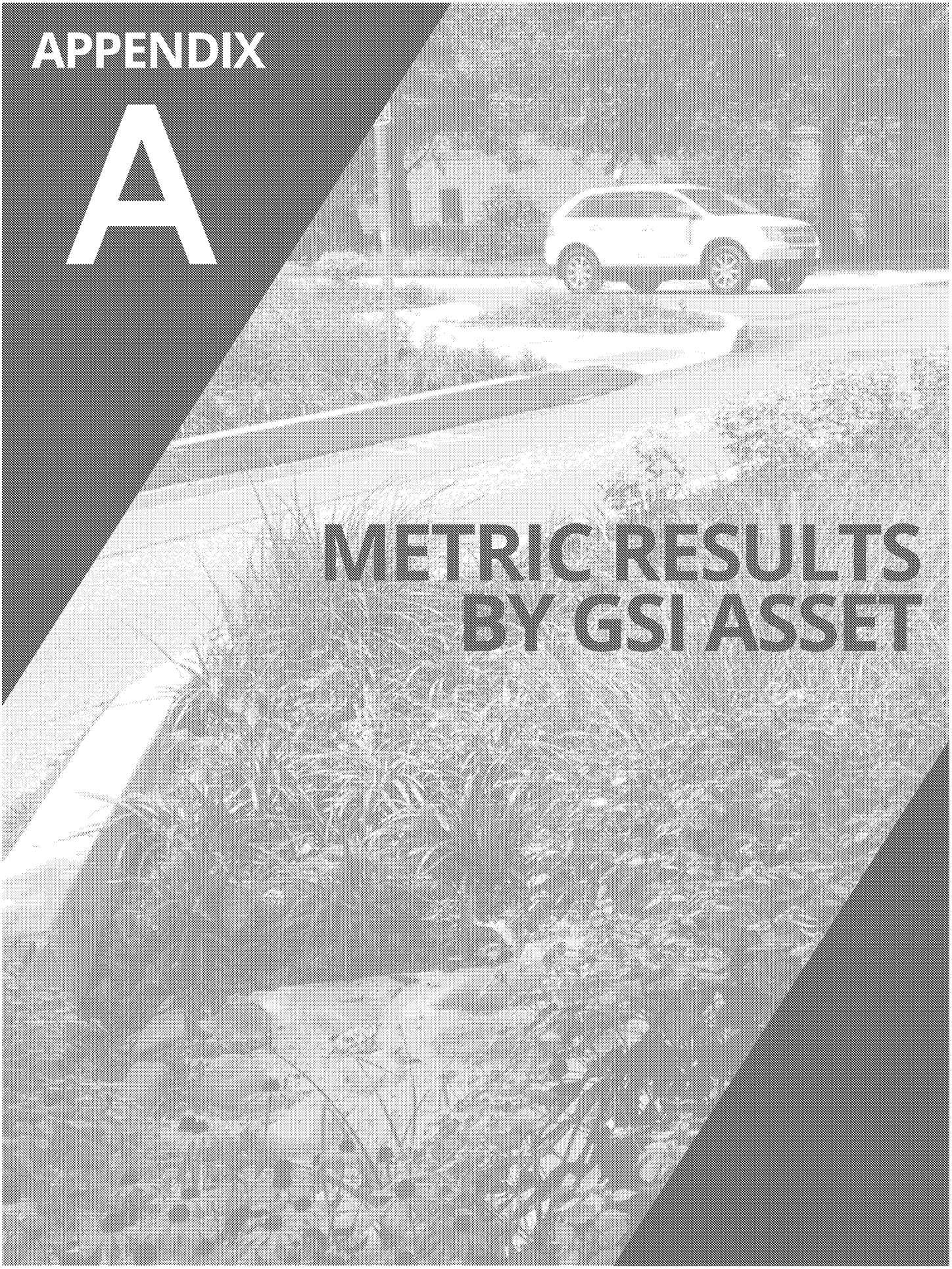
APPENDIX A



METRIC RESULTS BY GSI ASSET

TABLE A — 2019 SURFACE MAINTENANCE EFFORT BY SYSTEM

SYSTEM	TOTAL CREW EFFORT (HRS)	NUMBER OF WORK ORDERS	MEAN CREW EFFORT PER WORK ORDER (HRS)	MAXIMUM TIME ON SITE (HRS)	MINIMUM TIME ON SITE (HRS)
Cloverly Heights (Lowell & Rolleston)	13.17	11	1.20	1.75	0.75
Cloverly Heights (S 18th & Pemberton)	10.17	9	1.13	1.50	0.75
Penn and Sayford	52.25	24	2.18	5.50	0.75
Royal Terrace	10.92	9	1.21	1.92	0.75
Summit Terrace (N 13th & Bailey)	16.17	10	1.62	2.50	1.08
Summit Terrace (N Summit & Bailey)	19.75	10	1.98	2.50	1.42

TABLE B — 2019 SURFACE MAINTENANCE COST BY SYSTEM

SYSTEM	TOTAL COST ($)	NUMBER OF WORK ORDERS	MEAN COST PER WORK ORDER	MAXIMUM WORK ORDER COST	MINIMUM WORK ORDER COST
Cloverly Heights (Lowell & Rolleston)	$2,625	11	$239	$349	$150
Cloverly Heights (S 18th & Pemberton)	$2,027	9	$225	$299	$150
Penn and Sayford	$10,417	24	$434	$1,097	$150
Royal Terrace	$2,177	9	$242	$382	$150
Summit Terrace (N 13th & Bailey)	$3,223	10	$322	$498	$216
Summit Terrace (N Summit & Bailey)	$3,938	10	$394	$498	$282

TABLE C — 2019 SUBSURFACE MAINTENANCE EFFORT BY SYSTEM

SYSTEM	TOTAL CREW EFFORT (HRS)	NUMBER OF WORK ORDERS	MEAN CREW EFFORT PER WORK ORDER (HRS)	MAXIMUM TIME ON SITE (HRS)	MINIMUM TIME ON SITE (HRS)
Cloverly Heights (Lowell & Rolleston)	0.42	3	0.14	0.17	0.08
Cloverly Heights (S 18th & Pemberton)	1.53	5	0.31	1.25	0.05
Penn and Sayford	0.17	2	0.08	0.08	0.08
Royal Terrace	3.00	3	1.00	1.00	1.00
Summit Terrace (N 13th & Bailey)	0.08	1	0.08	0.08	0.08
Summit Terrace (N Summit & Bailey)	1.50	3	0.50	0.50	0.50

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TABLE D — 2019 FUNCTIONAL CONDITION SCORE BY SYSTEM

SYSTEM	NUMBER OF OBSERVATIONS	MEAN	HIGHEST SCORE	LOWEST SCORE
Cloverly Heights (Lowell & Rolleston)	11	1.09	1	2
Cloverly Heights (S 18th & Pemberton)	10	1.10	1	2
Penn and Sayford	22	1.41	1	2
Royal Terrace	10	1.30	1	2
Summit Terrace (N 13th & Bailey)	12	1.33	1	2
Summit Terrace (N Summit & Bailey)	12	1.33	1	2

Functional Condition Scores follow the following criteria:

1. System function appears to be consistent with design intent. No erosion, settling and/or areas of standing water more than 72 hours after a rainfall event (indicating possible loss of infiltration or storage volume) are observed.
2. System function appears overall to be consistent with design intent. Limited erosion (<20 sf), settling, and/or areas of standing water more than 72 hours after a rainfall event (indicating possible loss of infiltration or storage volume) are observed.
3. System function appears to not be consistent with design intent. Significant erosion, settling, and/or areas of standing water more than 72 hours after a rainfall event (indicating possible loss of infiltration or storage volume) are observed.

TABLE E — 2019 AESTHETIC CONDITION SCORE BY SYSTEM

SYSTEM	NUMBER OF OBSERVATIONS	MEAN	HIGHEST SCORE	LOWEST SCORE
Cloverly Heights (Lowell & Rolleston)	11	1.09	1	2
Cloverly Heights (S 18th & Pemberton)	10	1.10	1	2
Penn and Sayford	22	1.59	1	2
Royal Terrace	10	1.10	1	2
Summit Terrace (N 13th & Bailey)	12	1.33	1	2
Summit Terrace (N Summit & Bailey)	12	1.42	1	2

Aesthetic Condition Scores follow the following criteria:

1. The appearance of the system is excellent. It is neat and clean, and no damage is observed. Plants, if any, have a vegetation condition score of one.
2. The appearance of the system is good. It is generally clean with minimal trash, debris, or damage. Plants, if any, have a vegetation condition score of two or better.
3. The appearance of the system is unacceptable. There is a significant amount of trash, debris, and/or damage. Plants, if any, have a vegetation condition score of three or worse.
4. The majority of plants (more than 85%) are dying, dead or missing.

TABLE F — 2019 VEGETATION CONDITION SCORE BY SYSTEM

SYSTEM	NUMBER OF OBSERVATIONS	MEAN (%)	MAXIMUM (%)	MINIMUM (%)
Cloverly Heights (Lowell & Rolleston)	6	1.00	1	1
Cloverly Heights (S 18th & Pemberton)	6	1.00	1	1
Penn and Sayford	12	1.50	1	2
Royal Terrace	6	1.33	1	2
Summit Terrace (N 13th & Bailey)	6	1.50	1	2

Vegetation Condition Scores follow the following criteria:

1. Most plants (85% or more) are healthy: they have normal development (shape, form, color, etc.) for their species, season and time since installation and no diseases or pest damage are observed.
2. Many plants (50 to 85%) are healthy: they have normal development (shape, form, color, etc.) for their species, season and time since installation, and/or only a few plants have diseases or pest damage. Note: diseases or pest species that spread rapidly must be treated before a serious outbreak occurs.
3. A significant number (30 - 50%) of plants are unhealthy: they do not have normal development (shape, form, color, etc.) for their species, season and time since installation, and/or many have diseases or pest damage.
4. The majority of plants (more than 85%) are dying, dead or missing.

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TABLE G — 2019 VEGETATIVE COVER BY SYSTEM

SYSTEM	NUMBER OF OBSERVATIONS	MEAN (%)	MAXIMUM (%)	MINIMUM (%)
Cloverly Heights (Lowell & Rolleston)	6	93.00	100	85
Cloverly Heights (S 18th & Pemberton)	6	87.50	90	85
Penn and Sayford	12	85.83	90	75
Royal Terrace	6	93.33	100	80
Summit Terrace (N 13th & Bailey)	6	83.33	90	70

TABLE H — 2019 INVASIVE VEGETATIVE COVER BY SYSTEM

SYSTEM	NUMBER OF OBSERVATIONS	MEAN (%)	MAXIMUM (%)	MINIMUM (%)
Cloverly Heights (Lowell & Rolleston)	6	3.33	12	0
Cloverly Heights (S 18th & Pemberton)	6	2.50	5	0
Penn and Sayford	12	1.50	3	0
Royal Terrace	6	2.17	5	0
Summit Terrace (N 13th & Bailey)	6	2.17	5	0

TABLE I — 2019 SUBSURFACE PIPE OCCLUSION BY SYSTEM (PRE-MAINTENANCE)

SYSTEM	NUMBER OF PIPE RUNS* INSPECTED	MEAN (%)	MAXIMUM (%)	MINIMUM (%)
Cloverly Heights (Lowell & Rolleston)	24	26.25	100	0
Cloverly Heights (S 18th & Pemberton)	18	34.44	100	0
Penn and Sayford	12	21.67	100	0
Royal Terrace	18	5.56	25	0
Summit Terrace (N 13th & Bailey)	10	22.00	100	0
Summit Terrace (N Summit & Bailey)	26	9.23	50	0

*Pipe runs are defined as a continuous length of pipe no greater than 75 feet in length that can be consecutively inspected or maintained

TABLE J — 2019 SUBSURFACE PIPE OCCLUSION BY SYSTEM (POST-MAINTENANCE)

SYSTEM	NUMBER* OF PIPE RUNS	MEAN (%)	MAXIMUM (%)	MINIMUM (%)
Cloverly Heights (Lowell & Rolleston)	6	36.67	60	0
Cloverly Heights (S 18th & Pemberton)	10	1.00	5	0
Penn and Sayford	4	2.50	5	0
Royal Terrace	6	0.00	0	0
Summit Terrace (N 13th & Bailey)	2	0.00	0	0
Summit Terrace (N Summit & Bailey)	6	0.00	0	0

*Only pipe runs that require maintenance receive a second, post-maintenance inspection.

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TABLE K — 2019 MATERIAL USE BY SYSTEM

SYSTEM	CONTRACTOR TRASH BAGS QUANTITY (EA)	MULCH QUANTITY (CY)
Cloverly Heights (Lowell & Rolleston)	15	1
Cloverly Heights (S 18th & Pemberton)	8	0
Penn and Sayford	37	4
Royal Terrace	10	0
Summit Terrace (N 13th & Bailey)	12	0
Summit Terrace (N Summit & Bailey)	13	0

TABLE L —2019 ESTIMATED CARBON FOOTPRINT

SYSTEM	QUANTITY	UNIT	KG CO_2 EQUIVALENT/ UNIT	KG CO_2 EQUIVALENT
Surface Inspection Travel (passenger vehicle)	71.1	vehicle-mile	0.343	24.39
Subsurface Inspection Travel (passenger vehicle)	26.5	vehicle-mile	0.343	9.09
Surface Maintenance Travel (light-duty truck)	291.2	vehicle-mile	0.472	137.45
Subsurface Maintenance Travel (light-duty truck, medium- and heavy-duty truck)	11.8	vehicle-mile	1.939	22.88
Trash bags (Low Density Polyethylene (LDPE) Resin)	2.5	kg	2.08	5.18
			TOTAL	198.98

*Values from: EPA's "Emission Factors for Greenhouse Gas Inventories" (March, 2018) and University of Bath's "Inventory of Carbon & Energy Database" (November, 2019)

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