



Investing in clean water resources

Semi-Annual Report 2018-2

July 1, 2018 through December 31, 2018

Submitted

March 1, 2019



Prepared by

EVANSVILLE WATER & SEWER UTILITY

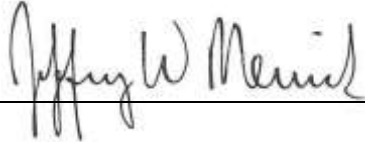
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SUBMITTAL AUTHORIZATION

Approved By:



March 1, 2019

Date

I certify under penalty of law that I have examined and am familiar with the information submitted in this document and all attachments and that this document and its attachments were prepared under my direction or supervision in a manner designed to ensure that qualified and knowledgeable personnel properly gather and present the information contained therein. I further certify, based on my inquiry of those individuals immediately responsible for obtaining the information, that I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

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Acronyms and Abbreviations

CCTV	closed-circuit television
CMMS	computerized maintenance management system
CMOM	Capacity Management, Operation, and Maintenance
CSO	combined sewer overflow
CSS	combined sewer system
Decree	Consent Decree between Evansville Water and Sewer Utility and the United States and State of Indiana
DOJ	U.S. Department of Justice
FOG	fats, oil, and grease
IDEM	Indiana Department of Environmental Management
IOCP	Integrated Overflow Control Plan
LTCP	Long-term Control Plan
SAR	Semi-Annual Report
SOP	standard operating procedure
SORP	Sewer Overflow Response Plan
SR CER	Stream Reach Characterization and Evaluation Report
SSA	Sewer System Assessment
SS ES	sewer system evaluation survey
SSO	sanitary sewer overflow
SSRM	Sewer Systems Remedial Measures
SSS	separate sanitary sewer
USEPA	U.S. Environmental Protection Agency
Utility	Evansville Water and Sewer Utility
WWTP	wastewater treatment plant

SECTION 1

Introduction

The Evansville Water and Sewer Utility (Utility) entered into a Consent Decree (Decree) with the U.S. Department of Justice (DOJ), the U.S. Environmental Protection Agency (USEPA), and the Indiana Department of Environmental Management (IDEM) in November 2010. The federal court entered the Decree as final on June 20, 2011. As part of the Decree, Semi-Annual Reports (SARs) must be submitted by the Utility to determine compliance with the requirements of the Decree.

This SAR describes the Utility's compliance with Decree Cause No. 3:09-cv-128-WTL-WGH for the July 1, 2019 through December 31, 2019 reporting period.

This report follows the format and requirements for the SAR as required by Appendix D of the Decree. Specifically, the report provides updates for the following Decree requirements:

- Section 2—Decree Section VI.A: Dry Weather Overflows
- Section 3—Decree Sections VI.A and VI.B: Sanitary sewer overflow (SSO) and combined sewer system (CSS) Release Documentation and Reporting
- Section 4—Decree Section VI.C: Installation of Overflow Alarms at Pump Stations
- Section 5—Decree Section VI.D: Revisions to combined sewer overflow (CSO) Operational Plan
- Section 6—Decree Section VI.E: Maximizing Existing Flow and Storage Capacity of the Sewer Systems
- Section 7—Decree Section VI.F: Capacity Management, Operation, and Maintenance (CMOM) Program Activities
- Section 8—Decree Section VI.G: Sewer Overflow Response Plan (SORP)
- Section 9—Decree Section VII.B: Completion and Implementation of the Long-term Control Plan (LTCP)
- Section 10—Decree Appendix C: Sewer System Assessment Report
- Section 11—Decree Section VII.C: Sewer Systems Remedial Measures Plan
- Section 12—Decree Section VII: General Integrated Overflow Control Plan (IOCP) Development and Implementation

1.1 Reporting Period Overview

During the reporting period, the Utility accomplished the following items directly related to completion of the IOCP:

- Submitted SAR 2018-1 (August 31, 2018)
- Submitted 2018 Combined Sewer Overflow Operation Plan (CSOOP) Update (November 1, 2018)
- Continued Construction for the Cass Adams CSO Interceptor Sewer project (Achieved Full Operation of the Bee Slough Drainage pipeline portion of the project December 20, 2017)
- Completed one Green Infrastructure Project and continued the design and construction of three additional projects.
- Continued design for Phase II portion of the North Park Rehabilitation project (the project is 95% complete and final design is pending due to current discussions with the Agencies)
- Completed Pigeon Creek Interceptor Cleaning project (The final cleaning and inspection was completed on October 24, 2017 and the final design for optimization and real time control was ongoing during the reporting period)
- Completed Advanced Facility Planning, Bee Slough Solution (The Utility is currently discussing additional alternative methods for the Bee Slough Solution with the Agencies)
- Approved Guaranteed Savings Contract for the West WWTP Storage Facility (September 18, 2018)
- Awarded Contract C (Underground Piping Phase 1) of the East WWTP Effluent Pump Station Project (October 30, 2018)
- Awarded Contract A of the East WWTP Effluent Pump Station Project (November 27, 2018)
- Awarded contract for the West WWTP expansion project (November 27, 2018)
- Continued design of the East WWTP expansion
- Continued design of Lift Station work in the Lloyd Expressway Basin

SECTION 2

Dry Weather Overflows



During the reporting period, the Utility did not have any discharges from a CSS overflow structure occurring more than 24 hours after a precipitation event.

SECTION 3

SSO and CSS Release Documentation and Reporting



Section 3 presents information regarding separate SSO and CSS releases.

3.1 SSO and CSS Releases

Table 3-1 summarizes SSO and CSS releases that have occurred during the reporting period, as well as during the previous 5 years. An electronic version of Table 3-1 is provided on the CD included with this report.

The locations of SSO and CSS releases during the July through December 2018 reporting period are shown in the figure at the end of the report.

3.2 Recurring Overflows

Overflow data provided in Table 3-1 were analyzed to assess whether SSO or CSS releases occurred at the same sewer segment (or location), the same manhole, or the same pump station within the previous 5-year period.

Table 3-2 lists the recurring overflow locations and the dates of the occurrences.

3.3 Discharges to Water Bodies

Table 3-3 lists SSO or CSS releases that have resulted in known discharges to a receiving water body.

3.4 Remedial Actions to Mitigate SSOs and CSS Releases

Table 3-1 describes the actions taken to mitigate the effects of each SSO and CSS release. Additionally, the Utility inspects the pipe later to determine whether additional corrective measure(s) should be taken. For the reporting period, closed-circuit television (CCTV) inspections were completed at the SSO/CSS release locations listed in Table 3-4.

SECTION 4


Installation of Overflow Alarms at Pump Stations



The Utility completed installation of overflow alarms at all 90 existing sanitary pump stations in 2010. Since 2010, the Utility has accepted for maintenance three additional sanitary pump stations (the I-164 pump station, the Cass Avenue pump station and the Cass Adams pump station) that were installed with overflow alarms. Each of the Utility's 93 sanitary pump stations are equipped with overflow alarms to notify Utility personnel in the event of a high wet well level.

SECTION 5

Revisions to CSO Operational Plan



The Utility submitted the 2018 CSO Operation Plan update November 1, 2018.

SECTION 6

Maximizing Existing Flow and Storage Capacity of the Sewer Systems

Section 6 describes ways the existing flow and storage capacity of the sewer systems were maximized during the reporting period.

6.1 CSO Discharges when WWTP Flow was not Maximized

6.1.1 CSO 123, West System

There were no discharges during the reporting period from CSO 123 on days when the West WWTP treated flows were less than the current, permitted maximum treatable flow. The Utility physically eliminated CSO 123 per Consent Decree Appendix G in October 2016.

6.1.2 CSO 009, West System

There were no discharges during the reporting period from CSO 009 on days when the West WWTP treated flows were less than the current, permitted maximum treatable flow. The Utility physically eliminated CSO 009 per Consent Decree Appendix G in October 2016.

6.1.3 CSO 103, East System

There were no discharges during the reporting period from CSO 103 on days when the East WWTP treated flows were less than the current, permitted maximum treatable flow.

6.2 East WWTP Influent Pump and Bar Screen Update

The East WWTP influent pump installation and bar screen project is complete. The project was completed in February 2012, prior to the March 1, 2012, Decree deadline.

6.3 West WWTP Baffles Update

Installation of baffles in the secondary clarifiers at the West WWTP is complete.

The Decree required the Utility to install baffles by April 30, 2011, to increase flow through the clarifiers. The Utility completed baffle installation on April 18, 2011, and the secondary clarifiers were placed back into service on April 19, 2011.

SECTION 7

Capacity Management, Operating, and Maintenance Program Activities

Per the Consent Decree, the Utility has submitted several CMOM documents; CMOM 2.0 was submitted on May 1, 2011, CMOM 2.1 was submitted on February 29, 2012, CMOM 3.0 was submitted on November 30, 2012, and CMOM 3.1 was submitted on February 14, 2014.

7.1 Fats, Oil, and Grease Program

The Utility's fats, oil, and grease (FOG) program is consistent with the requirements of CMOM 3.1.

CMOM 2.0 and 2.1 (submitted February 29, 2012) required provisions for the control of FOG by cleaning or other effective methods, including procedures for attempting to prevent the introduction of FOG to the system, and identification of areas where FOG blockages have recurred and where introduction of FOG to the system is likely. CMOM 3.0 required an enforceable mechanism to impose specific requirements for Food Establishments that are sources of FOG, enforcement procedures for noncompliant Food Establishments, and Food Establishment inspection requirements. The Utility's FOG plan includes the following procedures:

- A Sewer Use Ordinance which prohibits the discharge of mineral-based oils and greases into the sewer system and mandates that a grease trap be installed in all restaurants and food-preparation establishments that have the potential to discharge waste containing FOG.
- Repeat cleaning of pipeline segments where grease buildup or blockages have occurred in the past.
- Establishment and maintenance of a database of food establishments in the service area that are sources of FOG.
- Requirements that food establishments clean out grease control equipment at intervals appropriate to maintain grease capture effectiveness, keep records of the dates and amounts of grease removed, and explain how and where the grease was disposed.
- Procedures for notifying new food establishment owners and operators about the requirement of grease capture and record keeping.
- Periodic and random inspections of food-preparation establishments' grease control measures at least once every five years, with at least 40% of establishments inspected every two consecutive years.
- Enforcement of the FOG control provisions, including the issuance of a Notice(s) of Violation that documents corrective measures and timeframes for completion, including the issuance of fines.

- Listing in the newspaper of food establishments that do not maintain their grease trap or the grease trap maintenance log.

7.1.1 Status of FOG Program Preparation

The Utility's FOG program has been developed in accordance with CMOM 3.0 requirements and as updated by CMOM 3.1 submitted February 14, 2014.

The list of food establishments is continually updated and stored in the Utility's Linko database. Table 7-1 presents the food establishment listing for this reporting period.

The Utility's FOG Web site includes general information and links regarding best management practices for managing food materials, grease trap design, maintenance, and function, and go-green initiatives. The Utility distributed public outreach materials for mailing to food establishments during the reporting period on an ongoing basis. The FOG staff continued a public outreach program by distributing door hangers to apartment complexes. These materials communicate both the sources of FOG and the need to reduce the introduction of it to the sewer systems. Additionally, during the reporting period, the Utility initiated a FOG awareness campaign that included banners and billboards to educate the public regarding the proper disposal of FOG.

7.1.2 Status of Approved FOG Program Implementation

Per the requirements of the Consent Decree, CMOM 2.0 was submitted May 1, 2011, CMOM 2.1 was submitted February 29, 2012, and CMOM 3.0 was submitted November 30, 2012. The Utility began operating under CMOM 3.0 on November 30, 2012. Comments from USEPA regarding CMOM 3.0 were received on October 31, 2013, and a written response was provided to USEPA on December 6, 2013. An updated CMOM 3.1 was submitted to regulators on February 14, 2014, and the Utility is now operating under the new CMOM version. An update on the Utility's actions to implement the FOG program is provided.

7.1.3 The following occurred during the reporting period:

- There were no revisions of regulations and / or ordinances to implement the Grease Control Program during the reporting period.
- The Utility and Vanderburgh County Health Department worked to jointly enforce the Utility's FOG Program. During the reporting period, the Utility and Health Department focused on educating food establishments on best management practices for controlling FOG and reviewing grease trap manifests during site visits. Additionally, they distributed questionnaires to gather information and update their records regarding the number of grease interceptors in the system.
- 27 grease trap inspections (4% of the total) were conducted during the reporting period.
- The Utility issued zero fines and 12 Notice(s) of Violation to establishments during the reporting period.
- The Utility does not issue permits to implement regulations and/or ordinances, as other enforceable mechanisms are used to implement FOG regulations.

7.2 Approved CMOM Program Activities

Per the requirements of the Consent Decree, CMOM 2.0 was submitted May 1, 2011, CMOM 2.1 was submitted February 29, 2012, and CMOM 3.0 was submitted November 30, 2012. The Utility began operating under CMOM 3.0 on November 30, 2012. Comments from USEPA regarding CMOM 3.0 were received on October 31, 2013, and a written response was provided to USEPA on December 6, 2013. An updated CMOM 3.1 was submitted to regulators on February 14, 2014, and the Utility is now operating under the new CMOM version. Activities undertaken by the Utility between January 1 and June 30, 2018, pursuant to CMOM 3.1, are described in the following subsections.

7.2.1 Root Intrusion Treatments for Sewer Segments

During the reporting period, 16,847 linear feet of sewer segments in the SSS and CSS were mechanically treated for root intrusion, as listed in Table 7-2. Chemical root treatments were not completed during this reporting period. The figure at the end of the report shows the location of the sewer segments treated for root intrusion.

7.2.2 Pump Station Inspections

The Utility conducts two types of pump station inspections:

- Routine inspections
- Ten State Standard Inspections

7.2.2.1 *Routine Inspections*

The Utility operates 93 sanitary pump stations. As part of routine operations, each pump station is inspected weekly, and maintenance is performed as required. Pump station locations are provided in the figure at the end of the report.

7.2.2.2 *Ten State Standard Inspections*

Pump station inspections were previously completed for all existing 90 sanitary pump stations in the sewer system to assess the adequacy of the sanitary pump stations in compliance with Chapter 40, Wastewater Pumping Stations, of the most recent edition of Recommended Standards for Wastewater Facilities by the Great-Lakes Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers (Ten State Standards).

Details of the inspections were provided in the pump station inspection reports included with the Utility's CMOM 2.0, 2.1, and 3.0 submittals. The November 30, 2012 CMOM 3.0 pump station inspection requirement has, therefore, been met.

Since 2010, the Utility has accepted for maintenance the I-164 pump station, the Cass Avenue pump station, and the Cass Adams pump station, therefore the total number of sanitary pump stations has increased to 93. The I-164, Cass Avenue and Cass Adams sanitary pump stations were constructed to comply with Ten State Standards.

7.2.3 Cleaning and Routine Inspection of Sewer Pipes

7.2.3.1 *Cleaning of 8-inch to 15-inch Sewer Segments*

During the reporting period, 4.3 percent of 8-inch to 15-inch diameter pipes were cleaned. Cleaning statistics during the reporting period for sewer segments between 8 and 15 inches in diameter are listed in Table 7-3.

Table 7-3 Cleaning Statistics, 8" to 15" Diameter Pipes

Sewer System	Total Length (feet)	Length Cleaned (feet)	Length Cleaned (miles)	Percentage of Total Cleaned
CSS	921,917	1,948	0.4	0.2
SSS	2,411,106	141,024	26.7	5.8
Total	3,333,023	142,972	27.1	4.3

Table 7-4 provides details regarding the cleaning of pipe segments, and the figure at the end of the report shows the location of the segments. In 2018, the Utility cleaned 89 miles of 8-inch to 15-inch diameter sewer segments, meeting the annual 75 mile CMOM cleaning provision in the decree.

In addition, the decree required the Utility to develop a schedule for cleaning and inspecting all 8-inch through 15-inch pipe segments by November 1, 2017. However, Evansville requested a modification to the decree to extend the deadline for completion of the cleaning and inspection program to January 31, 2018. The Utility completed the cleaning schedule during the previous reporting period to meet the deadline for the decree extension period. Therefore, with the completion of the first cycle cleaning schedule, the Utility has cleaned all pipe segments within the 8 years prior to the end of the reporting period.

7.2.3.2 *Inspection of 8-inch to 15-inch Sewer Segments*

The Utility inspected 142,223 linear feet of 8-inch to 15-inch diameter sewer segments using CCTV during the reporting period, and inspected 750 linear feet of 8-inch to 15-inch diameter sewer segments using SL-RAT Acoustic during the reporting period. Tables 7-5 and 7-6 identify the segments inspected, and the figure at the end of the report shows the locations of the pipe segments. In 2018, the Utility inspected 89 miles of 8-inch to 15-inch diameter sewer segments, meeting the annual 75 mile CMOM inspection provision in the decree.

Additionally, the Utility received an extension for the cleaning and inspection schedule to January 31, 2018. The Utility completed the inspection schedule during the previous reporting period to meet the deadline for the decree extension period. Therefore, with the completion of the first cycle inspection schedule, the Utility has inspected all pipe segments within the 8 years prior to the end of the reporting period.

7.2.3.3 *CCTV inspections where SSO or CSO Release Occurred*

Inspections of sewer segments where an SSO or CSS release occurred are listed in Table 3-4. There were three such CCTV inspections completed for the reporting period.

7.2.4 Manhole Inspections

During the reporting period, 1,575 manhole inspections were completed. A list of the manholes inspected, the dates, and the results of the inspections are provided in Table 7-7 and the locations of the inspections are illustrated in the figure at the end of the report.

7.2.5 Pump Station Assessment Update

As described in Section 7.2.2, assessment of all 93 sanitary pump stations is complete.

7.2.6 Pump Station Ten State Standards Compliance Update

The Utility completed the initial Ten States Standards assessment just prior to the end of the SAR 2011-1 reporting period, the next 50 percent of the assessments just prior to the end of the SAR 2011-2 reporting period, and the final 25 percent of the assessments just prior to the end of the SAR 2012-1 reporting period. A schedule for project implementation was included in CMOM 3.0.

Since 2012, the Utility has completed rehabilitation of 28 pump stations identified in CMOM 3.0 as pump stations in need of capital improvements to comply with Ten States Standards criteria. In addition, the Utility awarded contracts to rehabilitate four (4) additional pump stations during the reporting period.

7.2.7 Additional Information Regarding CMOM Adherence

The Evansville Water and Sewer Utility (EWSU) own and operate a wastewater treatment system currently utilized by businesses located in Vanderburgh County, Indiana. In response to a Pretreatment Audit conducted by the Indiana Department of Environmental Management ("IDEM"), the EWSU must enforce a pretreatment program to control discharges from all industrial users of its wastewater treatment system pursuant to the requirements of 40 C.F.R. Part 403 and 327 Indiana Administrative Code Article 5.

Pursuant to IDEM requirements, the County agreed to adopt a sewer ordinance that subjects the industrial users of the EWSU sewer system within its jurisdiction to the necessary pretreatment controls. The County authorized the EWSU to implement and enforce said sewer ordinance that is no less stringent than the Sewer Use Ordinance codified in Title 13 Chapter 13.05 and Chapter 13.20 of the Evansville Municipal Code. Furthermore, the County adopted pollutant specific limits specified by the EWSU which shall address at least the same pollutant parameters and shall be no less stringent than the local limits enacted by the EWSU.

Consequently, the County designated the EWSU as its agent for the sole purpose of implementing and enforcing the County sewer ordinance against users located in the County's jurisdiction, which shall include the filing of a cause of action in a court of law.

During the reporting period, the Utility awarded contracts for the 2018 annual CIPP lining project and the East WWTP Effluent sewer rehabilitation project. These projects will result in 0.95 miles of large diameter sewers receiving lining rehabilitation. Additionally, the Utility continued work on completing the expanded scope of the 2017 Annual Sewer Lining project during the reporting period.

SECTION 8

Sewer Overflow Response Plan

8.1 Development and Revision of the Sewer Overflow Response Plan

The Utility has submitted four SORP documents in compliance with Decree requirements. SORP 1.0 was submitted on December 1, 2010, SORP 2.0 was submitted on May 1, 2011, SORP 2.1 was submitted on August 29, 2011, and SORP 2.2 was submitted on May 1, 2017.

Approval of SORP 1.0 was received by USEPA as part of a July 26, 2011, transmittal letter that provided comments on SORP 2.0. The Utility responded to USEPA's SORP 2.0 comments and submitted SORP 2.1 on August 29, 2011. SORP 2.0 comment responses and both SORP 2.1 and 2.2 are under review by USEPA, and approval was not received during the reporting period.

Section 8.2 provides details regarding actions undertaken to implement the SORP documents, which are not yet approved by USEPA.

8.2 Implementation of Sewer Overflow Response Plan

The Utility had been operating under the guidelines presented within the SORP 2.1 document since submittal of the document on August 29, 2011. However, the Utility revised the plan and submitted SORP 2.2 on May 1, 2017. Approval of SORP 2.2 was not received during the reporting period, but the Utility is operating under the guidelines presented within the SORP 2.2 document.

8.2.1 Training

During this reporting period, the Utility conducted the annual SORP overview for Utility staff. The training was in December 2018.

8.2.2 Development or Revisions of Standard Operating Procedures

The Utility submitted SORP 2.1 on August 29, 2011. The Utility revised the plan and submitted SORP 2.2 on May 1, 2017 and the standard operating procedures (SOPs) were not modified between the SORP 2.2 submittal date and the end of the reporting period.

8.2.3 Data Management and Tracking

The Utility utilized DataStream 7i for data management and tracking until May 2012, when Cityworks was implemented as the new computerized maintenance management system (CMMS).

The Utility also uses an online tracking system of CSO, SSO, CSS release, and building/property backup locations at <http://maps.evansvillegis.com/csoviewer/>.

8.2.4 Outreach and Educational Materials

The SORP public outreach and educational materials were not modified during the reporting period.

8.2.5 Procedures for Public Notification

The Utility adheres to the procedures for public notification as described within the SORP 2.2 document.

8.2.6 Application of the SORP

The Utility revised SORP 2.1 and submitted SORP 2.2 to USEPA (May 1, 2017), and the Utility followed the procedures outlined within SORP 2.2 during the reporting period.

SECTION 9

Completion and Implementation of the LTCP

The LTCP provides for the construction and implementation of WWTP and sewer system improvements and other measures necessary to control, reduce, or treat discharges in accordance with the Utility's permit and Decree requirements. The LTCP builds upon and integrates the results of the SRCER, system characterization, and SSS and CSS hydraulic modeling.

9.1 Development Status of the LTCP

The Final LTCP was submitted on May 31, 2013. The Final LTCP was denied by USEPA and IDEM on June 16, 2014. Evansville was engaged in ongoing dialogue with USEPA and IDEM via in-person meetings, teleconference calls and written, detailed technical information regarding the plan. The agencies approved the Final LTCP on August 31, 2017.

Prior to agency disapproval of the plan, Evansville sought and received approval of several early action projects set forth in the IOCP. During the reporting period, the Utility accomplished the following items directly related to the early action projects:

- **Green Infrastructure:** Completed one participation project and continued design and construction of three additional projects.
- **Drainage Pipelines between Bee Slough and the East WWTP:** Continued construction for the Cass Adams CSO Interceptor Sewer project. The Utility Achieved Full Operation of the Bee Slough Drainage pipeline portion of the project December 20, 2017).
- **Pigeon Creek Interceptor optimization and real time control (including cleaning):** Cleaning contract awarded during the 2016-1 reporting period. The Utility completed final cleaning and inspection on October 24, 2017. Final design for optimization and real time control ongoing during the reporting period.
- **North Park Rehabilitation Projects:** The completed post construction monitoring report identified areas on where to focus the remaining investment dollars. The Utility continued design for the Phase II portion of the project and has requested consideration from the Agencies to consider an R-value of less than or equal to five as sufficient to stop investment.

Additionally, the Utility accomplished the following item directly related to the IOCP:

- **Completed AFP – Bee Slough Solution:** The Utility is currently discussing additional alternative methods for the Bee Slough Solution with the Agencies
- **Awarded contract for the West WWTP expansion project**
- **Approved Guaranteed Savings Contract for the West WWTP Storage Facility**
- **Awarded Contracts A and C of the East WWTP Effluent Pump Station Project**
- **Continued design of the East WWTP expansion**

SECTION 10

Sewer System Assessment Report



The Sewer System Assessment (SSA) Report compiles and correlates the results of the Sewer System Characterization, the SSES, the Capacity Assessment, and other information for the sewer shed areas and sewer segments included in the SSES and SSS hydraulic models.

The SSA was submitted as required on March 31, 2012. The SSA included the SSES Report and the Capacity Assessment, in accordance with Appendix B of the Decree.

Based on comments received from USEPA May 24, 2012 and the comment response submitted in return, a revised SSA was submitted July 31, 2012.

SECTION 11

Sewer Systems Remedial Measures Plan

The Sewer Systems Remedial Measures (SSRM) Plan establishes a plan and schedule for implementing remedial measures designed to prevent and control SSOs to the selected site-specific or system-wide design storm under current and future projected flow conditions.

11.1 Development Status of the SSRM Plan

The SSRM Plan was developed following completion of the SSA. During the 2013-1 reporting period, the Draft SSRMP was updated to address comments received from EPA during the 2012-2 reporting period. A revised version of the Draft SSRMP was submitted January 4, 2013.

The Final SSRM Plan alternatives analysis and proposed implementation schedules were submitted May 31, 2013, in accordance with Appendix B of the Decree. On November 13, 2013, the Utility received written comments from USEPA regarding the SSRMP. The Utility sent USEPA a written response to the comments on December 10, 2013.

The Final SSRM Plan was submitted on May 13, 2013. The Final SSRM plan was denied by USEPA and IDEM on June 16, 2014. Evansville was engaged in ongoing dialogue with USEPA and IDEM via in-person meetings, teleconference calls and written, detailed technical information regarding the plan. The agencies approved the Final SSRM Plan on August 31, 2017.

Prior to agency disapproval of the plan, Evansville sought and received approval of several early action projects set forth in the IOCP. During the reporting period, the Utility accomplished the following items directly related to the early action project and the SSRM Plan.

- North Park Rehabilitation Projects: Post construction monitoring completed. The PCM report identified areas on where to focus the remaining investment dollars. The Utility continued design for Phase II portion of the project during the reporting period (the project is 95% complete and final design is pending due to current discussions with the Agencies)
- Lloyd Expressway Basin: Continued design for the Bonnieview and Oak project and completed construction of the Plaza Drive Lift Station force main relocation

Additionally, as is described in CMOM 3.1, submitted on February 14, 2014, the Utility identifies any recurring, capacity-related SSOs that occurred in high priority areas identified in the 2013 Sanitary Sewer Remedial Measures Plan as categorized in the May 10, 2013 Technical Memorandum: Identifying SSOs included in the SSRMP.

Table 11-1 list the SSRM Plan capacity related SSO release locations that occurred during the reporting period.

SECTION 12

General IOCP Development and Implementation

The Utility's IOCP presents an overall Capital Improvement Plan that integrates the Utility's combined sewer LTCP with a prioritized set of projects focusing on identifying and addressing condition related needs identified as part of the SSS evaluation.

The Final IOCP was submitted May 31, 2013, in accordance with Appendix B of the Decree.

12.1 Status of Consent Decree Appendix C Submittals

Numerous submittals are required as part of the IOCP development. A deliverables listing is provided as Table 12-1, and a status update for the submittals required by Appendix C of the Decree follows.

12.1.1 Public and Regulatory Agency Participation

The Utility submitted a Public and Regulatory Agency Participation Work Plan on December 30, 2010.

During previous reporting periods, Citizen Advisory Committee meetings were conducted, a project website (www.renewevansville.com) became available for public access, and Renew Evansville IOCP branding was introduced to the public. During the 2013-1 reporting period, three Citizen Advisory Committee meetings, one public briefing to City Council, and six public meetings were conducted prior to submittal of the Final IOCP documents.

12.1.2 SRCER Update

The Utility submitted the 2011 SRCER Update on August 31, 2011, as required by the Decree.

12.1.3 System Characterization

The Utility submitted the System Characterization on November 31, 2011, in accordance with the Decree.

12.1.4 SSES and Work Plan

The Utility submitted a revised SSES Work Plan December 1, 2010, as required by the Decree.

The Utility initiated and completed the work outlined within the SSES Work Plan during the 2011-1 and 2011-2 reporting periods.

12.1.5 Update to Modeling Program

Updates to the East and West CSS hydraulic models were ongoing throughout the reporting period. In addition, the SSS hydraulic models for the East and West SSS were updated during the reporting period.

The SSS hydraulic model initial development documentation and calibration reports were submitted in conjunction with the Initial System Characterization on November 30, 2011.

Additionally, the current East CSS modeling during typical years have yielded different target CSO volumes and peak discharges in the Bee Slough AFP. During the reporting period, the Utility discussed with the agencies methods to address design criteria alterations to Appendix G of the Final IOCP.

12.1.6 Capacity Assessment

The capacity assessment work plan was submitted as part of the Modeling Work Plan.

The capacity assessment employed calibrated hydraulic models to identify appropriate remedial measures to address capacity limitations in the sewer systems. The Capacity Assessment was submitted March 31, 2012.

12.1.7 SSA Report

The SSA Report was submitted March 31, 2012. An updated SSA Report was submitted July 31, 2012, as Appendix A of the Draft SSRMP. Details regarding the status and development of the SSA Report are provided in Section 10.

12.1.8 SSRM Plan

The Final SSRM Plan was submitted May 31, 2013. Details regarding the status and development of the SSRM Plan are provided in Section 11.

12.1.9 Update of LTCP Portion of IOCP

The Final LTCP Update was submitted May 31, 2013. Details regarding the status and development of the LTCP portion of the IOCP are provided in Section 9.

12.2 Status of IOCP Improvements

The Utility submitted the Final IOCP on May 31, 2013. USEPA and IDEM (Agencies) denied the Final IOCP on June 16, 2014. Evansville was engaged in ongoing dialogue with the agencies via in-person meetings, teleconference calls and written, detailed technical information regarding the plan. As a result, the Utility submitted revised versions of the IOCP on January 15, 2016, June 30, 2016, and July 6, 2017. The agencies approved the Final IOCP on August 31, 2017. During the reporting period, the Utility requested considerations to Appendix G of the IOCP, final determinations of the considerations are still under review by the Agencies.

Prior to the agencies disapproval of the plan, Evansville sought and received approval of several early action projects set forth in the IOCP. Details regarding the early actions projects and the status of scheduled IOCP projects are provided in Section 9.

Additionally, as per the third amendment to the Decree, the Utility has commenced construction of specific Non-IOCP Capital Investments identified in Appendix I of the Decree. Table 12-2 lists the investments that have achieved full operation during the reporting period and the preceding two and a half year period.

Figure

Evansville Water and Sewer Utility

SSO_CSS_Releases_July_December_2018

- Construction Related
- Debris
- Equipment Failure
- Grease
- Hydraulically Maximized
- Power Failure
- Rags
- Roots

SSO_CSS_Releases_July_2013_June_2018

- Construction Related
- Debris Related
- Equipment Failure
- Grease Related
- Precipitation
- Power Failure
- Roots

- SAR_2018_2_Manhole_Inspections
- SAR_2018_2_Root_Intrusion
- SAR_2018_2_Gravity_Main_Inspections_CCTV
- SAR_2018_2_Gravity_Main_Inspections_Accoustic
- SAR_2018_2_Gravity_Main_Cleanings
- Combined Sewer Area
- CityBoundary

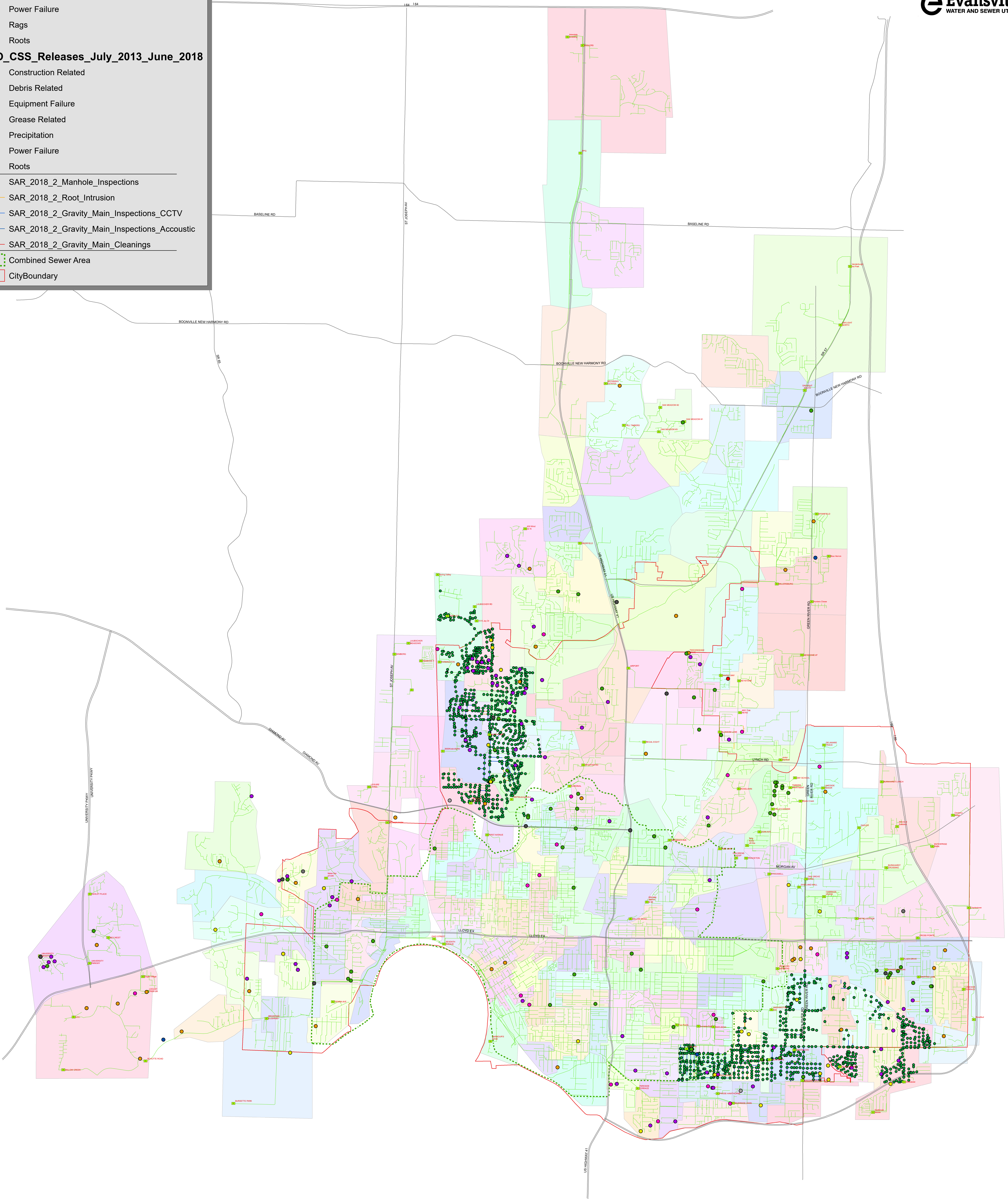


TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
E	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/31/2018 1:15 PM	12/31/2018 1:45 PM	99 W Diamond Avenue	15683	15677	22438	0.5	24,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/27/2018 3:30 PM	12/27/2018 4:30 PM	600 Drexel Drive	126200	280660	12994	1	3,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/19/2018 7:30 PM	12/19/2018 11:30 PM	7100 E Virginia Street	279510	279504	24724	4	25	Ground / Storm Sewer	Equipment Failure	Utility crossbore in sewer	Repaired section of damaged sewer	Yes	No	Yes
E	SSS	12/15/2018 9:00 AM	12/15/2018 11:30 PM	6601 E Oak Street	5840	5841	22948	15	87,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 7:45 AM	12/15/2018 12:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 3:05 AM	12/15/2018 6:55 AM	1187 Burch Drive	10918	10923	24226	3.83	46,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/15/2018 2:55 AM	12/15/2018 6:45 AM	5317 Hitch Peters Road	7480	7479	23717	3.83	11,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 2:30 AM	12/15/2018 6:30 AM	711 W Mill Road	280751	3786	27329	6	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	12/15/2018 1:00 AM	12/15/2018 2:00 AM	900 S Tekoppel Avenue	11298	8420	23658	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	6601 E Oak Street	5840	5841	22948	2	2,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	711 W Mill Road	280751	3786	27329	2.25	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/1/2018 7:45 AM	11/1/2018 8:30 AM	99 W Diamond Avenue	15683	15677	22438	0.75	36,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	10/2/2018 11:30 AM	10/2/2018 2:30 PM	5434 Miami Circle	NA	NA	NA	3	540	Ground	Construction Related	Contractor damaged private force main sewer	Contractor repaired private force main sewer	No	Yes	NA
W	SSS	9/28/2018 9:45 AM	9/28/2018 1:45 PM	2803 Vermont Ct	9080	9079	24049	4	240	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	1187 Burch Drive	10918	10923	24226	2	24,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 1:30 PM	9/25/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	1475 E Diamond Avenue	12210	12209	14882	1	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	1	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 12:15 PM	9/25/2018 2:15 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	9/8/2018 12:30 PM	9/8/2018 1:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/8/2018 12:00 PM	9/8/2018 2:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/8/2018 11:45 AM	9/8/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	2.25	108,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	8/21/2018 5:25 PM	8/21/2018 6:05 PM	3315 Margybeth Avenue	10197	10198	23932	0.67	800	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	7/9/2018 8:15 AM	7/9/2018 1:45 PM	3800 Western Hills Avenue	11412	283991	27227	5.5	3,300	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	No
E	SSS	6/25/2018 10:30 AM	6/25/2018 8:30 PM	6601 E Oak Street	5840	5841	22948	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	6/24/2018 9:45 PM	6/24/2018 10:15 PM	900 S Tekoppel Avenue	11298	8420	23658	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/12/2018 2:15 AM	6/12/2018 4:15 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/31/2018 12:15 PM	5/31/2018 1:00 PM	41 Oak Meadow	NA	NA	NA	0.75	225	Ground	Power Failure	Power failure at Station	Generator activated	Yes	No	NA
W	SSS	5/9/2018 4:00 PM	5/10/2018 9:00 AM	1407 Sandalwood Court	11362	11356	13791	17	500	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	No
W	CSS	4/3/2018 1:15 PM	4/7/2018 10:00 AM	717 S Barker Avenue	283553	8369	30079	44.75	2,800	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/2/2018 12:30 AM	4/2/2018 5:00 AM	6601 E Oak Street	5840	5841	22948	5	5,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/30/2018 2:15 PM	3/30/2018 6:30 PM	2727 N Evans Avenue	NA	NA	27041	4.25	748	Ground	Equipment Failure	Defective section of force main	Repaired section of force main	Yes	No	NA
E	SSS	3/29/2018 4:00 PM	3/30/2018 1:00 PM	6601 E Oak Street	5840	5841	22948	21	25,200	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/29/2018 1:20 PM	3/29/2018 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	0.17	1,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/28/2018 8:45 AM	3/29/2018 2:00 PM	2550 N Baker Avenue	15680	15679	22437	29.25	93,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/12/2018 9:00 AM	3/12/2018 2:30 PM	8600 University Boulevard	282153	NA	28722	5.5	6,600	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes	No
W	SSS	3/11/2018 4:15 PM	3/11/2018 5:30 PM	7601 Clarke Lane	11303	126074	15557	1.25	750	Ground/Carpenter Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	2/26/2018 9:50 AM	2/26/2018 11:30 AM	1401 Southfield Road	10461	10463	7026	1.67	500	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	2/24/2018 8:45 PM	2/24/2018 10:00 PM	1500 E Walnut Street	11927	11915	20332	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 8:45 PM	2/24/2018 10:15 PM	1757 Jeanette Avenue	69704	10032	23290	1.5	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 8:40 PM	2/24/2018 10:00 PM	1150 S Villa Drive	3689	282688	20021	1.33	16,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	2001 N Weinbach Avenue	5296	5302	22930	2	24,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
E	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/31/2018 1:15 PM	12/31/2018 1:45 PM	99 W Diamond Avenue	15683	15677	22438	0.5	24,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/27/2018 3:30 PM	12/27/2018 4:30 PM	600 Drexel Drive	126200	280660	12994	1	3,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/19/2018 7:30 PM	12/19/2018 11:30 PM	7100 E Virginia Street	279510	279504	24724	4	25	Ground / Storm Sewer	Equipment Failure	Utility crossbore in sewer	Repaired section of damaged sewer	Yes	No	Yes
E	SSS	12/15/2018 9:00 AM	12/15/2018 11:30 PM	6601 E Oak Street	5840	5841	22948	15	87,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 7:45 AM	12/15/2018 12:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 3:05 AM	12/15/2018 6:55 AM	1187 Burch Drive	10918	10923	24226	3.83	46,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/15/2018 2:55 AM	12/15/2018 6:45 AM	5317 Hitch Peters Road	7480	7479	23717	3.83	11,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 2:30 AM	12/15/2018 6:30 AM	711 W Mill Road	280751	3786	27329	6	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	12/15/2018 1:00 AM	12/15/2018 2:00 AM	900 S Tekoppel Avenue	11298	8420	23658	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	6601 E Oak Street	5840	5841	22948	2	2,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	711 W Mill Road	280751	3786	27329	2.25	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/1/2018 7:45 AM	11/1/2018 8:30 AM	99 W Diamond Avenue	15683	15677	22438	0.75	36,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	10/2/2018 11:30 AM	10/2/2018 2:30 PM	5434 Miami Circle	NA	NA	NA	3	540	Ground	Construction Related	Contractor damaged private force main sewer	Contractor repaired private force main sewer	No	Yes	NA
W	SSS	9/28/2018 9:45 AM	9/28/2018 1:45 PM	2803 Vermont Ct	9080	9079	24049	4	240	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	1187 Burch Drive	10918	10923	24226	2	24,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 1:30 PM	9/25/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	1475 E Diamond Avenue	12210	12209	14882	1	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	1	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 12:15 PM	9/25/2018 2:15 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	9/8/2018 12:30 PM	9/8/2018 1:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/8/2018 12:00 PM	9/8/2018 2:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/8/2018 11:45 AM	9/8/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	2.25	108,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	8/21/2018 5:25 PM	8/21/2018 6:05 PM	3315 Margybeth Avenue	10197	10198	23932	0.67	800	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	7/9/2018 8:15 AM	7/9/2018 1:45 PM	3800 Western Hills Avenue	11412	283991	27227	5.5	3,300	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	No
E	SSS	6/25/2018 10:30 AM	6/25/2018 8:30 PM	6601 E Oak Street	5840	5841	22948	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	6/24/2018 9:45 PM	6/24/2018 10:15 PM	900 S Tekoppel Avenue	11298	8420	23658	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/12/2018 2:15 AM	6/12/2018 4:15 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/31/2018 12:15 PM	5/31/2018 1:00 PM	41 Oak Meadow	NA	NA	NA	0.75	225	Ground	Power Failure	Power failure at Station	Generator activated	Yes	No	NA
W	SSS	5/9/2018 4:00 PM	5/10/2018 9:00 AM	1407 Sandalwood Court	11362	11356	13791	17	500	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	No
W	CSS	4/3/2018 1:15 PM	4/7/2018 10:00 AM	717 S Barker Avenue	283553	8369	30079	44.75	2,800	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/2/2018 12:30 AM	4/2/2018 5:00 AM	6601 E Oak Street	5840	5841	22948	5	5,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/30/2018 2:15 PM	3/30/2018 6:30 PM	2727 N Evans Avenue	NA	NA	27041	4.25	748	Ground	Equipment Failure	Defective section of force main	Repaired section of force main	Yes	No	NA
E	SSS	3/29/2018 4:00 PM	3/30/2018 1:00 PM	6601 E Oak Street	5840	5841	22948	21	25,200	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/29/2018 1:20 PM	3/29/2018 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	0.17	1,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/28/2018 8:45 AM	3/29/2018 2:00 PM	2550 N Baker Avenue	15680	15679	22437	29.25	93,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/12/2018 9:00 AM	3/12/2018 2:30 PM	8600 University Boulevard	282153	NA	28722	5.5	6,600	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes	No
W	SSS	3/11/2018 4:15 PM	3/11/2018 5:30 PM	7601 Clarke Lane	11303	126074	15557	1.25	750	Ground/Carpenter Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	2/26/2018 9:50 AM	2/26/2018 11:30 AM	1401 Southfield Road	10461	10463	7026	1.67	500	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	2/24/2018 8:45 PM	2/24/2018 10:00 PM	1500 E Walnut Street	11927	11915	20332	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 8:45 PM	2/24/2018 10:15 PM	1757 Jeanette Avenue	69704	10032	23290	1.5	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 8:40 PM	2/24/2018 10:00 PM	1150 S Villa Drive	3689	282688	20021	1.33	16,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	2001 N Weinbach Avenue	5296	5302	22930	2	24,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	SSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	4108 Western Avenue	11445	11571	15704	2	14,400	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 8:30 PM	2/25/2018 2:00 AM	2020 S Green River Road	10097	10103	25087	5.5	13,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/24/2018 8:00 PM	2/25/2018 8:00 PM	802 S Barker Avenue	8368	8369	20640	6	72,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 7:30 PM	2/25/2018 2:00 AM	5317 Hitch Peters Road	7480	7479	23717	6.5	19,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 7:15 PM	2/24/2018 11:00 PM	2401 Cass Avenue	282990	282989	29577	4	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1713 Richardt Avenue	280925	5287	19894	5	15,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1475 E Diamond Avenue	12210	12209	14882	5	22,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/24/2018 5:00 PM	2/25/2018 3:00 PM	900 S Tekoppel Avenue	11298	8420	23658	22	132,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 5:00 PM	2/25/2018 2:30 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 3:00 PM	2/24/2018 9:00 PM	3531 Kensington Avenue	4117	4114	23495	6	250	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 3:00 PM	2/24/2018 9:00 PM	613 Greenleaf Drive	3757	96919	11415	6	300	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 9:00 AM	2/24/2018 11:00 AM	11802 N Green River Road	15232	15233	9448	2	12,000	Ground/Schlenker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/23/2018 10:25 AM	2/23/2018 10:25 AM	2612 Kathleen Avenue	2912	2900	7665	2.58	500	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
E	SSS	2/23/2018 10:15 AM	2/23/2018 12:30 PM	2717 N Stockwell Road	73819	5667	15407	2.25	270	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/23/2018 10:15 AM	2/23/2018 1:00 PM	2622 Kathleen Avenue	2912	2900	7665	2.75	500	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
E	SSS	2/22/2018 3:45 PM	2/22/2018 7:00 PM	4516 Grace Court	7398	7396	8372	3.25	10	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
E	SSS	2/22/2018 11:00 AM	2/24/2018 7:00 PM	6400 E Oak Street	5869	5889	7375	56	600	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6617 E Oak Street	7253	5839	14394	10.02	70,875	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6601 E Oak Street	5840	5841	22948	102	141,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/23/2018 9:45 AM	2/23/2018 10:30 AM	1214 N Ruston Avenue	2085	2083	24472	1.25	135	Street	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
W	SSS	1/24/2018 7:25 PM	1/24/2018 9:45 PM	811 Hartford Court	10655	9314	22413	2.33	5	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
W	SSS	1/22/2018 1:20 PM	1/22/2018 2:00 PM	726 Hanover Road	9253	9229	15455	0.67	200	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
W	SSS	1/22/2018 10:00 AM	1/22/2018 11:30 AM	612 Drexel Drive	126178	126177	12989	1.5	2,325	Basement Floor/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
W	SSS	1/21/2018 11:30 AM	1/21/2018 1:30 AM	5725 N First Avenue	9256	9379	11985	2	2,400	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
E	SSS	1/20/2018 8:30 AM	1/20/2018 9:15 AM	8600 Greencove Avenue	NA	2738	7735	0.75	10	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
E	CSS	12/23/2017 9:00 AM	12/23/2017 1:00 PM	854 Covert Avenue	2527	2528	18406	4	500	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
W	SSS	12/23/2017 1:30 AM	12/23/2017 6:00 AM	600 Drexel Drive	126200	280660	12994	4.5	13,500	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	11/11/2017 11:00 AM	11/11/2017 11:00 AM	5300 Pollack Avenue	281843	3108	28389	1.5	500	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/6/2017 9:00 PM	8/6/2017 9:30 PM	2424 Schutte Road	15002	15001	15575	0.50	300	Ground/Bayou Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	NA
W	SSS	7/25/2017 2:25 PM	7/25/2017 5:00 PM	1201 W Buena Vista Rd	3746	3745	11517	2.58	3,875	Ground/Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
W	SSS	7/23/2017 7:00 AM	7/23/2017 8:45 AM	1187 Burch Drive	10918	10923	24226	1.75	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/23/2017 7:00 AM	7/23/2017 8:15 AM	5317 Hitch Peters Road	7480	7479	23717	1.25	7,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	7/23/2017 6:45 AM	7/23/2017 7:30 AM	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/23/2017 6:45 AM	7/23/2017 8:00 AM	5801 Berry Lane	9324	10629	10058	1.25	5	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
W	SSS	6/23/2017 11:00 AM	6/23/2017 2:00 PM	7107 Locust Tree Lane	126053	LS	12250	3	360	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/11/2017 11:40 AM	5/11/2017 12:00 PM	2207 S Ruston Avenue	NA	2911	7671	0.33	20	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
E	SSS	5/5/2017 10:00 AM	5/5/2017 11:30 AM	2020 S Green River Road	10097	10103	25087	1.5	2,250	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/5/2017 10:00 AM	5/5/2017 2:00 PM	2401 Cass Avenue	282990	282989	29577	4	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/5/2017 9:00 AM	5/5/2017 10:30 AM	2701 N Stockwell Road	73819	5667	15407	1.5	9,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	1187 Burch Drive	10918	10923	24226	5	30,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	5317 Hitch Peters Road	7480	7479	23717	5	15,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/5/2017 7:30 AM	5/5/2017 9:30 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/5/2017 7:30 AM	5/6/2017 12:30 AM	6601 E Oak Street	5840	5841	22948	17	51,000	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	5/5/2017 7:00 AM	5/5/2017 10:30 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	15,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 9:45 AM	4/29/2017 12:45 PM	2701 Saint George Road	7451	7450	8659	3	18,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 9:45 AM	4/29/2017 12:45 PM	2808 Longacre Drive	7331	281808	28347	3	9,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 9:00 AM	4/30/2017 10:00 PM	6601 E Oak Street	5840	5841	22948	37	54,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 3:00 AM	4/29/2017 8:00 AM	2701 N Stockwell Road	73819	5667	15407	5	30,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 2:00 AM	4/29/2017 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	13	39,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 2:00 AM	4/29/2017 6:00 PM	1187 Burch Drive	10918	10923	24226	16	96,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 11:00 AM	8440 Wolf Creek Drive	280844	14951	26416	9.5	29,250	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 1:00 PM	600 Drexel Drive	126200	280660	12994	11.5	51,750	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 1:00 AM	4/29/2017 5:00 AM	4211 Western Avenue	11572	11576	15638	4	24,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	CSS	4/29/2017 12:45 AM	4/29/2017 9:30 AM	900 S Tekoppel Avenue	11298	8420	23658	8.75	57,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 12:30 AM	4/29/2017 1:30 PM	711 W Mill Road	280751	3786	27329	13	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/29/2017 12:30 AM	4/29/2017 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	11.5	21,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/16/2017 6:45 PM	4/16/2017 8:45 PM	1641 S Taft Avenue	283021	3364	29606	2	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/16/2017 5:00 PM	4/16/2017 9:00 PM	2401 Cass Avenue	282990	282989	29577	4	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/16/2017 4:45 PM	4/16/2017 7:45 PM	2020 S Green River Road	10097	10103	25087	3	9,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	4/16/2017 4:15 PM	4/16/2017 5:15 PM	600 S Barker Avenue	8406	283165	23743	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/9/2017 11:30 AM	4/9/2017 2:00 PM	5908 Shelbourne Road	10642	11307	10067	2.5	250	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	3/29/2017 3:15 PM	3/29/2017 5:15 PM	6602 Pinhurst Avenue	NA	11014	29348	2	50	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	3/27/2017 9:15 AM	3/27/2017 10:15 AM	1111 Schutte Road	15029	129929	15569	1	200	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	3/21/2017 8:30 AM	3/21/2017 11:30 AM	1120 N Barker Avenue	283468	8226	6493	3	3,600	Ground/Pigeon Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/7/2017 2:00 PM	3/7/2017 9:00 PM	2755 Wayside Drive	7291	7290	22745	7	21,000	Ground/Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/7/2017 9:00 AM	3/7/2017 1:00 PM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/24/2017 7:45 AM	2/24/2017 1:30 PM	3101 Mount Vernon Avenue	8905	8907	21815	5.75	50	Street	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	2/22/2017 9:45 AM	2/22/2017 12:00 PM	3919 W Maryland Street	128006	128007	23787	2.25	200	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	2/21/2017 11:30 AM	2/21/2017 12:45 PM	9310 Hedgewood Court	NA	NA	10412	1.25	200	Ground	Equipment Failure	Air relief valve failed	Replaced valve	Yes	No	NA
E	SSS	2/16/2017 8:00 AM	2/16/2017 8:45 AM	7514 Washington Avenue	3173	3172	23307	0.75	2,000	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
E	SSS	2/1/2017 11:45 AM	2/2/2017 3:30 PM	611 Sweetser Avenue	NA	NA	NA	27.75	830	Ground / Storm Sewer	Equipment Failure	Defective section of private sewer	Contact or replaced section of private sewer	No	Yes	NA
W	SSS	1/14/2017 11:45 AM	1/14/2017 2:00 PM	1000 Beale Street	11576	281888	13709	2.25	27,000	Ground/Carpenter Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/28/2016 8:45 AM	11/28/2016 10:15 AM	5321 Chadwick Road	9528	9523	11684	1.5	65	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	11/8/2016 12:15 AM	11/8/2016 4:30 AM	1618 Lynch Road	280687	280688	26175	4.25	51,000	Creek Tributary	Equipment Failure	Broken water main damaged sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	9/12/2016 8:00 AM	9/12/2016 9:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1.5	900	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	NA
E	SSS	9/8/2016 9:00 AM	9/8/2016 10:00 AM	1900 Pueblo Pass	NA	NA	NA	1	300	Ground	Grease	Pump failure at Private lift station	Restored pump operation	No	Yes	NA
E	CSS	8/10/2016 11:15 AM	8/10/2016 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	3,375	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/4/2016 1:30 PM	8/4/2016 10:30 AM	7801 Bussing Road	NA	NA	24714	21	250	Ground	Equipment Failure	Air Relief valve failed	Replaced valve	Yes	No	NA
E	SSS	8/3/2016 4:30 AM	8/3/2016 6:30 PM	Pollack Avenue & Lynn Road	280521	14109	25200	2	600	Ground/Eagle Creek	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	NA
E	CSS	7/27/2016 6:30 PM	7/27/2016 7:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.5	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1019 Saint George Road	9786	9785	13111	5.5	16,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1187 Burch Drive	10918	10923	24226	5.5	33,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	5.5	16,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/4/2016 9:15 AM	7/4/2016 3:00 PM	6601 E Oak Street	5840	5841	22948	6	17,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/4/2016 9:00 AM	7/4/2016 12:15 PM	2020 S Green River Road	10097	10103	25087	3.25	9,750	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/4/2016 9:00 AM	7/4/2016 10:30 AM	711 W Mill Road	280751	3786	27329	1.5	4,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	7/3/2016 8:00 PM	7/4/2016 11:30 AM	1713 Richardt Avenue	280925	5287	19894	15.5	18,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	7/3/2016 8:00 PM	7/4/2016 11:30 AM	1475 E Diamond Avenue	12210	12209	14882	15.5	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/3/2016 7:30 PM	7/4/2016 11:00 AM	4108 Western Avenue	11445	11571	15704	15.5	27,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	7/3/2016 7:30 PM	7/3/2016 8:00 PM	600 S Barker Avenue	8406	283165	23743	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/28/2016 3:15 PM	6/28/2016 4:15 PM	3815 E Mulberry Street	6620	6621	14840	1	300	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole had evidence of prior release from rain event but was not releasing when crew arrived	Yes	No	No
W	SSS	6/26/2016 11:00 PM	6/27/2016 2:00 AM	1187 Burch Drive	10918	10923	24226	3	18,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/26/2016 10:30 PM	6/27/2016 1:00 AM	5317 Hitch Peters Road	7480	7479	23717	2.5	11,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	6/26/2016 10:30 PM	6/26/2016 11:45 PM	1475 E Diamond Avenue	12210	12209	14882	1.25	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/9/2016 12:30 PM	6/9/2016 1:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1	1,500	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	NA
E	CSS	5/24/2016 1:45 PM	5/24/2016 4:45 PM	431 Main Street	7999	283100	17541	3	100	Basement Floor	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	5/12/2016 3:00 AM	5/12/2016 4:10 AM	600 Drexel Drive	126200	280660	12994	1.16	7,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	1187 Burch Drive	10918	10923	24226	3.5	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	10,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	3.5	15,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/12/2016 2:00 AM	5/12/2016 6:00 AM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	5/12/2016 1:30 AM	5/12/2016 2:50 AM	900 S Tekoppel Avenue	11298	8420	23658	1.33	32,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/9/2016 6:10 PM	5/9/2016 7:55 PM	1251 Pollack Avenue	50147	50148	12611	1.75	210	Ground/Eagle Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	5/8/2016 1:35 PM	5/8/2016 3:00 PM	6412 N First Avenue	10234	10705	10758	1.42	225	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	4/27/2016 8:45 PM	4/27/2016 10:30 PM	4211 Western Avenue	11572	11576	15638	1.75	2,100	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
E	SSS	4/27/2016 7:30 PM	4/27/2016 10:30 PM	5317 Hitch Peters Road	7480	7479	23717	3	13,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/27/2016 7:30 PM	4/27/2016 10:30 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/28/2016 7:30 PM	4/28/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/27/2016 7:00 PM	4/27/2016 9:30 PM	2020 S Green River Road	10097	10103	25087	2.5	3,750	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/9/2016 12:20 PM	4/9/2016 2:00 PM	212 S Bosse Avenue	11264	11263	13399	1.67	2,000	Ground/Carpenter Creek Tributary	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	3/31/2016 12:30 PM	3/31/2016 1:30 PM	3121 E Riverside Drive	2595	2596	24027	1	12,000	Ground / Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	3/21/2016 3:15 PM	3/21/2016 4:15 PM	2709 N Second Avenue	282907	9073	29495	1	180	Storm Sewer	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	3/11/2016 12:30 PM	3/11/2016 1:45 PM	3900 Claremont Avenue	11194	11247	13446	1.25	375	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/10/2016 5:00 PM	3/10/2016 9:00 PM	7616 Bellemeade Avenue	7138	7105	23303	4	4,800	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/10/2016 4:30 PM	3/11/2016 7:00 PM	2808 Longacre Drive	7331	281808	28347	27	31,800	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	3/10/2016 3:15 PM	3/10/2016 6:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.75	8,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/10/2016 1:30 PM	3/10/2016 8:00 PM	6601 E Oak Street	5840	5841	22948	7	83,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/10/2016 1:00 PM	3/10/2016 7:00 PM	4211 Western Avenue	11572	11576	15638	6	7,200	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/10/2016 2:00 PM	2/10/2016 3:00 PM	4400 Vogel Road	81287	281326	8027	1	100	Ground / Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	2/2/2016 7:45 PM	2/2/2016 11:00 AM	2401 Cass Avenue	282990	282989	29577	3	9,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/2/2016 7:45 PM	2/3/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:30 PM	2020 S Green River Road	10097	10103	25087	4	12,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:00 PM	2333 Bergdolt Road	7381	7380	14990	3.5	10,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:00 PM	5317 Hitch Peters Road	7480	7479	23717	3.5	15,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/2/2016 7:30 PM	2/2/2016 10:30 PM	711 W Mill Road	280751	3786	27329	3	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/2/2016 7:15 PM	2/2/2016 10:30 PM	4108 Western Avenue	11445	11571	15704	3.25	9,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/2/2016 7:15 PM	2/2/2016 7:30 PM	2001 N Weinbach Avenue	5296	5302	22930	0.25	3,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/2/2016 7:00 PM	2/2/2016 10:00 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/2/2016 6:45 PM	2/2/2016 8:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	36,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	1/10/2016 6:35 AM	1/10/2016 7:10 AM	7107 Locust Tree Lane	126053	LS	12250	0.58	105	Ground	Equipment Failure	Pump failure at Locust Tree Lane lift station	Restored pump operation	Yes	No	NA
E	SSS	12/28/2015 4:00 PM	12/29/2015 2:00 AM	6605 Lincoln Avenue	5835	281858	7370	10	30,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/28/2015 2:00 PM	12/28/2015 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	3,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.5	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	3,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6617 E Oak Street	7253	5839	14394	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/27/2015 9:00 AM	12/27/2015 12:00 PM	4211 Western Avenue	11572	11576	15638	3	3,600	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/26/2015 7:45 AM	12/26/2015 9:00 AM	300 S Royal Avenue	6013	6016	23532	1.25	150	Ground / Storm Sewer	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	12/23/2015 4:45 PM	12/23/2015 6:00 PM	711 W Mill Road	280751	3786	27329	2	3,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4108 Western Avenue	11445	11571	15704	3.92	7,050	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4211 Western Avenue	11572	11576	15638	3.92	4,700	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/23/2015 2:00 PM	12/23/2015 3:00 PM	2524 N Baker Avenue	15679	15678	22436	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	11/18/2015 5:00 AM	11/18/2015 8:00 AM	9 W Missouri Street	7703	4924	5189	4	300	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	11/17/2015 9:40 AM	11/17/2015 11:00 AM	2210 Venetian Drive	11073	11077	8097	1.33	250	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/17/2015 9:00 AM	11/17/2015 11:00 AM	711 W Mill Road	280751	3786	27329	2	6,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/17/2015 8:35 AM	11/17/2015 10:30 AM	4108 Western Avenue	11445	11571	15704	1.92	5,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/17/2015 8:30 AM	11/17/2015 10:30 AM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/17/2015 8:00 AM	11/17/2015 9:00 AM	2524 N Baker Avenue	15679	15678	22436	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/17/2015 7:45 AM	11/17/2015 9:00 AM	2550 N Baker Avenue	15680	15679	22437	1.25	18,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/9/2015 4:30 PM	11/9/2015 5:45 PM	5341 Chadwick Road	9526	9527	11686	1.25	20	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/6/2015 12:15 AM	11/6/2015 2:30 AM	2550 N Baker Avenue	15680	15679	22437	2.25	33,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/3/2015 8:00 AM	11/3/2015 9:45 AM	6300 N First Avenue	10705	10706	10761	1.75	500	Basement Floor	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	10/21/2015 8:00 AM	10/21/2015 8:30 AM	206 S Royal Avenue	6016	6020	23533	0.5	10	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	8/8/2015 5:45 PM	8/8/2015 10:00 PM	2807 N Red Bank Road	281922	281920	28509	4.25	2,400	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	SSS	8/6/2015 2:55 AM	8/6/2015 5:00 AM	600 Drexel Drive	126200	280660	12994	2.08	6,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/25/2015 4:45 PM	7/25/2015 5:45 PM	220 Eagle Crest Drive	14093	14092	7195	1	360	Ground	Equipment Failure	Defective lateral connection	Replaced section of lateral	Yes	No	Yes
E	SSS	7/10/2015 8:30 AM	7/10/2015 8:00 PM	6617 E Oak Street	7253	5839	14394	11.5	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/10/2015 8:30 AM	7/10/2015 7:00 PM	6601 E Oak Street	5840	5841	22948	10.5	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/10/2015 8:30 AM	7/10/2015 8:50 AM	726 Hanover Road	9253	9229	15455	0.33	1,000	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	7/10/2015 8:25 AM	7/10/2015 8:30 AM	7301 Lincoln Avenue	7209	7210	15116	0.08	250	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Pumps adjusted to meet discharge capacity	Yes	No	No
E	SSS	7/8/2015 9:30 AM	7/8/2015 11:00 AM	106 Harrison Boulevard	6296	6293	21909	1.5	100	Ground/Harper Ditch	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No	Yes
E	SSS	7/7/2015 5:15 PM	7/7/2015 6:00 PM	313 Polster Drive	6318	6317	6725	0.75	50	Ground	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No	Yes
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6617 E Oak Street	7253	5839	14394	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6601 E Oak Street	5840	5841	22948	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	4211 Western Avenue	11572	11576	15638	1	3,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	3,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/3/2015 7:00 PM	7/4/2015 12:00 PM	3204 Martin Avenue	8920	8921	20692	17	1,020	Ground/Carpenter Creek Tributary	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	6/27/2015 5:00 AM	6/27/2015 5:15 AM	17450 Highway 41 N	37530	LS	15307	0.25	300	Ground	Equipment Failure	Pump failure at PPG lift station	Restored pump operation	Yes	No	NA
W	SSS	6/22/2015 9:00 AM	6/22/2015 10:30 AM	1019 Saint George Road	9786	9785	13111	1.5	100	Ground	Hydraulically Maximized	Manhole had evidence of release from rain event	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/20/2015 8:30 AM	6/20/2015 9:30 AM	11802 N Green River Road	15232	15233	9448	1	3,000	Ground/Schliensker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/20/2015 12:30 AM	6/20/2015 8:00 AM	1187 Burch Drive	10918	10923	24226	7.5	45,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/20/2015 12:30 AM	6/20/2015 5:30 AM	2333 Bergdolt Road	7381	7380	14990	5	15,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/20/2015 12:30 AM	6/20/2015 8:00 AM	5317 Hitch Peters Road	7480	7479	23717	7.5	22,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/20/2015 12:30 AM	6/20/2015 2:00 AM	2701 N Stockwell Road	73819	5667	15407	1.5	9,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/20/2015 12:30 AM	6/20/2015 2:00 AM	41 Oak Meadow	NA	NA	NA	1.5	900	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6617 E Oak Street	7253	5839	14394	16	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6601 E Oak Street	5840	5841	22948	16	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 5:00 AM	1757 Jeanette Avenue	69704	10032	23290	5	30,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 6:30 AM	2020 S Green River Road	10097	10103	25087	6.5	19,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/19/2015 11:45 PM	6/20/2015 5:00 AM	600 Drexel Drive	126200	280660	12994	5.25	15,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/19/2015 11:30 PM	6/20/2015 5:30 AM	711 W Mill Road	280751	3786	27329	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	6/19/2015 11:00 PM	6/20/2015 5:00 AM	1713 Richardt Avenue	280925	5287	19894	6	3,600	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/19/2015 10:30 PM	6/20/2015 5:30 AM	4211 Western Avenue	11572	11576	15638	7	21,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	6/19/2015 10:30 PM	6/20/2015 5:00 AM	1475 E Diamond Avenue	12210	12209	14882	6.5	19,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/7/2015 6:00 PM	6/7/2015 7:45 PM	5009 Shady Court	11304	11305	22911	1.75	400	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	6/3/2015 7:10 PM	6/3/2015 8:00 PM	316 Sheridan Road	4049	3539	24137	0.83	30	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	6/2/2015 2:15 PM	6/2/2015 3:00 PM	5510 Tulane Road	281033	9540	26715	0.75	100	Ground	Equipment Failure	Damaged section of sewer	Utility replaced section of main sewer	Yes	No	Yes
E	SSS	6/1/2015 1:15 PM	6/1/2015 2:00 PM	4820 Tecumseh Lane	6263	6262	21686	0.75	90	Ground	Equipment Failure	Defective section of main sewer	Utility to repair section of sewer	Yes	No	Yes
W	SSS	5/28/2015 10:45 AM	5/28/2015 3:30 PM	6815 Broadway Avenue	NA	NA	12780	4.75	42,750	Ground/Bayou Creek Tributary	Construction Related	Soil boring contractor damaged 12" force main sewer	Private contractor replaced section of damaged force main	Yes	No	NA
W	SSS	5/19/2015 2:30 PM	5/19/2015 3:30 PM	5637 Forest Avenue	14354	14350	13982	1	600	Private Lake	Graese	Commercial graese waste	Sewer cleaned to remove graese	Yes	No	Yes
E	SSS	5/3/2015 6:00 PM	5/3/2015 7:30 PM	5010 Davis Lant Drive	281501	170778	27199	1.5	100	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	4/21/2015 8:00 AM	4/21/2015 5:30 PM	8501 N Green River Road	12746	15465	8506	9.5	300	Basement Floor / Firltick Creek Tributary	Construction Related	Road Paving contractor damaged main sewer	Private contractor replaced section of damaged main sewer	Yes	No	NA
W	SSS	4/19/2015 10:30 AM	4/19/2015 8:30 PM	711 W Mill Road	280751	3786	27329	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/17/2015 12:15 PM	4/17/2015 1:15 PM	1900 Pueblo Pass	NA	NA	NA	1	300	Ground	Grease	Residential graese waste on private lift station floats	Grease removed by private maintenance crew	No	Yes	NA
E	SSS	4/17/2015 7:45 PM	4/17/2015 9:15 AM	420 Fuquay Road	7161	7160	24273	1.5	10	Ground	Equipment Failure	Defective section of main sewer	Utility to repair section of sewer	Yes	No	Yes
W	SSS	4/10/2015 11:30 AM	4/10/2015 3:00 PM	8200 Heather Place	127197	127187	12287	3.5	420	Ground/Little Pigeon Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	4/10/2015 12:45 AM	4/10/2015 2:00 AM	711 W Mill Road	280751	3786	27329	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/6/2015 8:15 PM	4/6/2015 8:45 PM	6401 Broadway Avenue	132907	282777	29367	0.5	8,000	Basement Floor / Bayou Creek Tributary	Equipment Failure	Increased flow conditions overloaded bypass pump	Bypass pump speed increased	Yes	No	NA
E	SSS	4/3/2015 2:00 PM	4/3/2015 3:15 PM	6223 Twickingham Drive	11087	NA	8104	1.25	150	Ground/Little Pigeon Creek Tributary	Equipment Failure	Tangled pump float cords at Twickingham lift station	Crew untangled pump float cords	Yes	No	NA
E	SSS	4/3/2015 4:30 AM	4/4/2015 1:45 AM	6617 E Oak Street	7253	5839	14394	21.3	109,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2015 4:30 AM	4/4/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	21.5	111,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2015 3:45 AM	4/3/2015 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	11.25	23,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/3/2015 3:30 AM	4/3/2015 3:00 PM	4211 Western Avenue	11572	11576	15638	11.5	31,500	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	SSS	4/3/2015 3:15 AM	4/3/2015 4:00 PM	711 W Mill Road	280751	3786	27329	12.75	83,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/3/2015 3:00 AM	4/3/2015 3:30 PM	825 E Diamond Avenue	12210	12209	14882	12.5	28,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/12/2015 3:10 PM	4/12/2015 3:50 PM	1479 Harmon Court	9823	9658	21671	0.67	60	Ground/Private Lake	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	3/27/2015 5:40 PM	3/27/2015 6:00 PM	2418 Joan Place	12417	12405	14592	0.33	100	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	3/26/2015 7:00 AM	3/26/2015 8:45 AM	4900 Stratford Road	9203	9200	11724	1.75	1,050	Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	3/20/2015 12:45 PM	3/20/2015 2:00 PM	119 LaDonna Boulevard	90206	90199	13299	1.25	150	Ground	Equipment Failure	Defective lateral connection to main sewer	Utility to repair lateral connection	Yes	No	Yes
E	SSS	3/16/2015 12:30 PM	3/16/2015 1:30 PM	2721 Wayside Drive	7300	7295	22527	1	50	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/14/2015 4:15 AM	3/14/2015 9:30 AM	7301 Lincoln Avenue	7209	7210	15116	5.25	15,750	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/13/2015 1:30 PM	3/15/2015 1:00 AM	6617 E Oak Street	7253	5839	14394	35.5	213,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/13/2015 1:15 PM	3/15/2015 1:00 AM	6601 E Oak Street	5840	5841	22948	35.8	214,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/13/2015 11:00 AM	3/14/2015 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	19	22,800	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/13/2015 11:00 AM	3/14/2015 6:00 AM	1187 Burch Drive	10918	10923	24226	19	85,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	3/13/2015 11:00 AM	3/13/2015 7:30 PM	1475 E Diamond Avenue	12210	12209	14882	8.5	25,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/13/2015 10:30 AM	3/14/2015 8:30 AM	711 W Mill Road	280751	3786	27329	22	132,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/13/2015 10:00 AM	3/14/2015 7:00 AM	4211 Western Avenue	11572	11576	15638	21	63,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/10/2015 1:00 PM	3/10/2015 5:30 PM	1187 Burch Drive	10918	10923	24226	4.5	27,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	11	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	11	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/10/2015 12:00 PM	3/10/2015 5:15 PM	711 W Mill Road	280751	3786	27329	5.25	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/10/2015 12:00 PM	3/10/2015 2:00 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	3/10/2015 12:00 PM	3/10/2015 1:00 PM	1713 Richardt Avenue	280925	5287	19894	1	600	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	3/10/2015 11:30 AM	3/10/2015 3:30 PM	1475 E Diamond Avenue	12210	12209	14882	4	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/6/2015 7:40 AM	3/6/2015 11:30 AM	324 Euclid Drive	6318	6317	6725	3.83	10	Ground	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No	Yes
E	SSS	3/4/2015 1:00 AM	3/4/2015 4:45 PM	544 Wilson Square	7235	7234	22509	3.75	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/4/2015 12:15 AM	3/4/2015 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	5.75	6,900	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/4/2015 12:15 AM	3/4/2015 11:00 PM	6616 Lincoln Avenue	5839	5840	14395	22.75	68,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/4/2015 12:00 AM	3/4/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	23	41,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/3/2015 11:45 PM	3/4/2015 11:30 AM	4211 Western Avenue	11572	11576	15638	11.75	35,250	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/3/2015 11:45 PM	3/4/2015 1:30 PM	711 W Mill Road	280751	3786	27329	13.75	82,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/3/2015 10:40 PM	3/4/2015 12:25 AM	600 Drexel Drive	126200	280660	12994	1.75	5,250	Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	3/3/2015 9:10 PM	3/4/2015 12:30 AM	2066 Graham Avenue	NA	3908	14409	3.33	400	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	3/3/2015 6:20 PM	3/3/2015 7:40 PM	5705 N First Avenue	9267	9260	16542	1.33	4,000	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	2/18/2015 4:15 PM	2/18/2015 5:45 PM	1618 Irvington Avenue	2381	2382	12436	1.5	10	Basement Floor	Equipment Failure	Defective section of main sewer	Utility to repair section of sewer	Yes	No	Yes
W	CSS	2/10/2015 1:20 PM	2/10/2015 2:15 PM	2418 Joan Place	12417	12405	14592	0.92	75	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	2/5/2015 2:30 PM	2/5/2015 4:05 PM	3635 Pollack Avenue	10194	10199	23937	1.58	15	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	2/4/2015 2:30 PM	2/4/2015 4:00 PM	5910 Foxboro Lane	10648	10646	10071	1.5	30	Garage Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	2/1/2015 3:25 PM	2/1/2015 4:55 PM	3220 Mount Vernon Avenue	8909	8908	21615	1.5	3,600	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/31/2015 11:30 AM	1/31/2015 1:15 PM	3204 Martin Avenue	8921	8907	19701	1.75	2,625	Ground/Storm Sewer	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	1/21/2015 4:55 PM	1/21/2015 6:00 PM	813 Stonebridge Road	10659	10660	22417	1.08	65	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/3/2015 10:15 AM	1/3/2015 12:30 PM	4211 Western Avenue	11572	11576	15638	2.25	6,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	1/3/2015 10:00 AM	1/3/2015 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	2	6,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	1/3/2015 10:00 AM	1/3/2015 2:15 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/26/2014 8:30 AM	12/26/2014 8:50 AM	6514 Newburgh Road	5819	5429	7349	0.33	20	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	12/5/2014 5:30 PM	12/5/2014 6:45 PM	4211 Western Avenue	11572	11576	15638	1.25	3,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	12/5/2014 5:30 PM	12/5/2014 6:15 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/5/2014 5:15 PM	12/5/2014 7:00 PM	711 W Mill Road	280751	3786	27329	1.75	10,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/5/2014 3:30 PM	12/5/2014 4:15 PM	608 S Craig Avenue	11192	11193	13436	0.75	200	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/25/2014 2:45 PM	11/25/2014 3:30 PM	1806 Grove Street	7638	4849	29097	0.75	45,000	Ground/Pigeon Creek	Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No	No
W	SSS	11/23/2014 4:30 PM	11/23/2014 5:30 PM	4821 Warren Drive	9180	9174	11721	1	240	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	11/17/2014 1:40 PM	11/17/2014 2:50 PM	313 Tyler Avenue	6070	6069	22785	1.16	10	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	11/12/2014 4:15 PM	11/12/2014 5:15 PM	212 Lexington Road	4054	3761	11548	1	600	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	11/10/2014 7:45 AM	11/10/2014 9:00 AM	3315 Margybeth Avenue	10197	10198	23932	1.25	1,500	Ground/Raccoon Ditch	Grease Construction	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	CSS	11/1/2014 11:00 AM	11/1/2014 1:00 PM	2401 Cass Avenue	282990	282989	29577	2	24,000	Ground/Storm Sewer	Related	Contractor damaged 8" water main that inundated the CSS	Contractor shut down and repaired broken water main	Yes	No	No
W	SSS	10/24/2014 4:30 PM	10/24/2014 6:00 PM	1250 Sheffield Drive	NA	9334	23547	1.5	100	Basement Floor	Roots	Root infiltration	CCTV Utility Main	Yes	No	Yes
W	CSS	10/14/2014 9:30 AM	10/14/2014 10:15 AM	516 Kick Avenue	12052	281002	5451	0.75	100	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	No
W	SSS	10/13/2014 6:15 PM	10/13/2014 7:15 PM	4211 Western Avenue	11572	11576	15638	1	1,500	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	10/12/2014 6:00 PM	10/12/2014 8:15 PM	1508 Marshall Avenue	282328	282492	5091	2.25	500	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	9/22/2014 9:15 AM	9/22/2014 10:15 AM	2608 Jeanette Avenue	80462	2634	22022	1	1,500	Ground/Storm Sewer	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	CSS	8/28/2014 7:15 PM	8/28/2014 10:00 PM	1304 N Heidelberg Avenue	4894	282375	5785	2.75	50	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	CSS	8/28/2014 7:15 PM	8/28/2014 8:30 PM	729 E Missouri Street	12524	12523	5453	1.25	200	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
W	CSS	8/28/2014 7:00 PM	8/28/2014 7:25 PM	799 E Diamond Avenue	7603	12070	19983	0.42	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	8/28/2014 7:00 PM	8/28/2014 8:30 PM	1475 E Diamond Avenue	12210	12209	14882	1.5	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/21/2014 2:10 PM	8/21/2014 3:15 PM	7709 Oak Hill Road	84322	84323	8419	1.08	6,500	Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	8/20/2014 1:45 PM	8/20/2014 3:45 PM	2031 Eastland Court	3264	3265	7039	2	40	Ground	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
W	SSS	8/17/2014 9:00 AM	8/17/2014 11:10 AM	711 W Mill Road	280751	3786	27329	2.16	13,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	8/17/2014 8:40 AM	8/17/2014 11:15 AM	1475 E Diamond Avenue	12210	12209	14882	2.58	7,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/17/2014 8:30 AM	8/17/2014 10:00 AM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Creek Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/17/2014 8:30 AM	8/17/2014 11:00 AM	700 Fairway Drive	9032	9029	22433	2.5	7,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/13/2014 3:15 PM	8/13/2014 7:30 PM	615 Crestmont Drive	126189	126186	13008	4.25	510	Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	7/24/2014 8:45 AM	7/24/2014 9:15 AM	4105 Covert Avenue	10033	2943	23406	0.5	600	Ground	Roots	Root infiltration	Lateral connection cleaned to remove roots	Yes	No	Yes
E	SSS	7/19/2014 8:15 PM	7/19/2014 7:15 PM	2559 Helmut Avenue	3992	3991	24006	2	50	Crawlspace	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	7/2/2014 9:15 AM	7/2/2014 9:45 AM	705 Irvin Avenue	6471	6467	14895	0.5	30	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	7/1/2014 7:00 PM	7/1/2014 10:15 PM	5317 Hitch Peters Road	7480	7479	23717	3.25	9,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/1/2014 6:50 PM	7/1/2014 8:25 PM	600 Drexel Drive	126200	280660	12994	1.58	1,900	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/1/2014 6:30 PM	7/1/2014 10:45 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	7/1/2014 6:30 PM	7/1/2014 8:20 PM	1475 E Diamond Avenue	12210	12209	14882	1.83	5,500	Ground/Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/1/2014 6:15 PM	7/1/2014 10:30 PM	4211 Western Avenue	11572	11576	15638	4.25	19,125	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/26/2014 5:30 PM	6/26/2014 7:00 PM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	6/26/2014 5:10 PM	6/26/2014 6:40 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/24/2014 11:30 AM	6/24/2014 12:00 PM	1107 Phelps Lane	3741	3742	11520	0.5	75	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	6/15/2014 11:00 AM	6/15/2014 1:00 PM	904 Forest Glen Drive	11313	11312	22905	2	100	Basement Floor	Equipment Failure	Damaged section of sewer and lateral	Replaced section of main sewer and lateral	Yes	No	Yes
E	SSS	6/9/2014 3:00 PM	6/9/2014 8:00 PM	3523 Oak Hill Road	14505	14504	21960	5	100	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	6/4/2014 6:15 PM	6/4/2014 7:45 PM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	6/4/2014 6:15 PM	6/4/2014 7:20 PM	1475 E Diamond Avenue	12210	12209	14882	1.08	2,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/4/2014 6:15 PM	6/4/2014 8:20 PM	2020 S Green River Road	10097	10103	25087	2.08	6,250	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/4/2014 6:10 PM	6/4/2014 7:25 PM	711 W Mill Road	280751	3786	27329	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	6/4/2014 6:00 PM	6/4/2014 9:15 PM	804 E Mulberry Street	NA	15772	17142	3.25	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/24/2014 7:45 AM	5/24/2014 11:45 AM	1528 Britton Road	14517	NA	11898	4	100	Ground/Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	CSS	5/23/2014 2:25 PM	5/23/2014 4:15 PM	4 NW Second Street	8035	8034	6042	1.83	30	Ground	Equipment Failure	Damaged section of sewer	Utility to replace section of sewer	Yes	No	Yes
E	SSS	5/21/2014 3:50 PM	5/21/2014 5:30 PM	3528 Taylor Avenue	3476	3477	5181	1.67	300	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	5/21/2014 3:30 PM	5/21/2014 6:45 PM	2301 Dusseldorf Drive	281941	11067	28525	3.25	30	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	5/14/2014 5:30 PM	5/14/2014 8:30 PM	4211 Western Avenue	11572	11576	15638	3	13,500	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/14/2014 5:30 PM	5/14/2014 8:00 PM	5317 Hitch Peters Road	7480	7479	23717	3	7,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	5/14/2014 5:15 PM	5/14/2014 8:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.75	8,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/14/2014 5:00 PM	5/14/2014 7:30 PM	700 Fairway Drive	9032	9029	22433	2.5	7,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/14/2014 5:00 PM	5/14/2014 8:30 PM	601 W Mill Road	3785	3786	27336	3.5	5,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/14/2014 5:00 PM	5/14/2014 9:15 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/9/2014 5:35 PM	5/9/2014 7:00 PM	711 W Mill Road	280751	3786	27329	1.42	1,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/4/2014 7:00 PM	5/4/2014 9:15 PM	5607 Monroe Avenue	NA	2777	7505	2.25	50	Ground	Equipment Failure	Damaged section of sewer	Repaired section of main sewer	Yes	No	Yes
W	SSS	5/3/2014 7:00 PM	5/6/2014 11:00 AM	1130 Boulder Pass	NA	NA	14108	64	500	Ground	Equipment Failure	Damaged section of force main	Repaired section of force main	Yes	No	NA
E	SSS	5/3/2014 5:00 PM	5/3/2014 6:30 PM	1909 Greencastle Drive	14246	12245	7571	1.5	100	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	4/28/2014 7:00 AM	4/28/2014 11:00 AM	6601 E Oak Street	5840	5841	22948	4.0	2,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/28/2014 7:00 AM	4/28/2014 1:00 PM	501 Plaza Drive	7236	7233	22506	6	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/28/2014 6:00 AM	4/28/2014 8:30 AM	4211 Western Avenue	11572	11576	15638	2.5	11,250	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/28/2014 6:00 AM	4/28/2014 10:00 AM	700 Fairway Drive	9032	9029	22433	4	12,000	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/28/2014 6:00 AM	4/28/2014 10:00 AM	711 W Mill Road	280751	3786	27329	4	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/28/2014 6:00 AM	4/28/2014 8:30 AM	1187 Burch Drive	10918	10923	24226	2.5	15,000	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/27/2014 2:30 PM	4/27/2014 3:20 PM	600 Normandy Drive	6161	6158	6768	0.83	500	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Grease removed by private contractor	No	Yes	NA
E	CSS	4/19/2014 9:00 AM	4/19/2014 2:15 PM	2701 Adams Avenue	NA	NA	14563	5.25	10	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	4/18/2014 2:15 PM	4/18/2014 4:00 PM	950 S Hebron Avenue	6977	6976	23265	1.75	50	Ground	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	4/7/2014 12:45 PM	4/7/2014 4:50 PM	711 W Mill Road	280751	3786	27329	4.08	12,240	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	4/4/2014 3:30 PM	4/4/2014 4:45 PM	727 Tulip Avenue	12294	12295	5032	1.25	40	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	4/4/2014 1:30 PM	4/4/2014 2:00 PM	512 Strawberry Hill Road	10957	10956	10570	0.5	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
E	SSS	4/4/2014 1:00 PM	4/4/2014 7:00 PM	2701 N Stockwell Road	73819	5667	15407	6	18,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	4/4/2014 12:30 PM	4/4/2014 2:40 PM	7610 Bellemeade Avenue	7106	7105	13535	2.17	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/4/2014 12:30 PM	4/4/2014 1:30 AM	1713 Richardt Avenue	280925	5287	19894	1	100	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	4/4/2014 9:00 AM	4/4/2014 9:20 AM	5124 Helmuth Avenue	3103	3104	22685	0.33	100	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	4/4/2014 8:30 AM	4/4/2014 2:00 PM	3304 Saratoga Drive	5798	5800	8209	5.5	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 8:00 AM	4/4/2014 2:00 PM	4205 Deer Trail	5778	5779	7380	6	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 8:00 AM	4/4/2014 2:00 PM	4105 Deer Trail	5779	5780	7381	6	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 5:30 AM	4/4/2014 2:00 PM	4120 Spring Valley Road	5577	5802	14982	8.5	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 4:50 AM	4/4/2014 2:00 PM	4012 Oxmoor Road	5799	5798	8206	9.17	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 3:15 AM	4/4/2014 2:00 PM	3211 Crossbow Lane	5800	5792	14978	10.75	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 3:15 AM	4/4/2014 2:00 PM	3205 Autumnwood Way	5786	5784	8211	10.75	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 3:15 AM	4/4/2014 2:00 PM	3113 Crossbow Lane	5775	5790	8221	10.75	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 2:20 AM	4/4/2014 2:00 PM	4121 Spring Valley Road	5577	5802	14982	11.67	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 2:00 AM	4/4/2014 2:00 PM	3008 Crossbow Lane	5776	4436	15106	12	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 2:00 AM	4/4/2014 2:00 PM	4004 Oxmoor Road	5797	5798	8205	12	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	4/4/2014 12:30 AM	4/4/2014 7:00 AM	3300 Edgewood Drive	8818	8844	21847	6.5	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/4/2014 12:30 AM	4/4/2014 9:00 AM	1025 E Blackford Avenue	NA	NA	17186	8.5	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	4/4/2014 12:30 AM	4/4/2014 7:00 AM	1921 Stringtown Road	12054	12055	12358	6.5	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	4/4/2014 12:30 AM	4/4/2014 7:00 AM	329 Van Dusen Avenue	12326	12325	14667	6.5	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	4/4/2014 12:30 AM	4/4/2014 7:00 AM	801 E Parkland Avenue	281008	12287	19822	6.5	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/4/2014 12:00 AM	4/4/2014 9:00 AM	4512 Cass Avenue	10060	281798	6140	9	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 11:40 PM	4/4/2014 8:00 AM	6218 Twickingham Drive	11078	11087	8103	8.33	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/3/2014 11:35 PM	4/4/2014 9:00 AM	2125 Monroe Avenue	10141	10140	16193	9.42	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 3:00 AM	2301 Saint George Road	7487	7486	15695	4	48,000	Ground/Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/3/2014 11:00 PM	4/4/2014 3:00 AM	1150 S Villa Drive	3689	3282	20021	4	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 2:00 PM	2020 S Green River Road	10097	10103	25087	15	78,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 5:00 AM	1733 Burdette Avenue	10050	10051	5581	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 5:00 AM	1757 Jeanette Avenue	69704	10032	23290	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/3/2014 11:00 PM	4/4/2014 3:00 AM	2001 N Weinbach Avenue	5296	5302	22930	4	48,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 4:00 AM	2929 Woodside Court	12613	12615	8119	5	7,500	Ground/Licking Creek	Power Failure	Lost external power causing power loss to Wazny Way Lift Station.	Power restored to station	Yes	No	NA
W	SSS	4/3/2014 10:45 PM	4/4/2014 9:00 AM	617 Biddle Court	126188	126187	13005	10.25	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/3/2014 5:30 PM	4/3/2014 6:00 PM	806 Tulip Avenue	12376	12364	5902	0.5	5	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/3/2014 5:30 PM	4/4/2014 9:00 AM	600 Drexel Drive	126174	126173	12992	15.5	9,300	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/3/2014 4:30 PM	4/4/2014 12:00 PM	1187 Burch Drive	10918	10923	24226	19.5	175,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/3/2014 1:30 PM	4/4/2014 11:00 AM	734 Titan Drive	CO	13649	10640	21.5	32,250	Ground/Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 12:00 PM	4/4/2014 11:00 AM	5317 Hitch Peters Road	7480	7479	23717	23	27,600	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 12:00 PM	4/5/2014 2:00 PM	6616 Lincoln Avenue	5839	5840	14395	50	75,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 11:30 AM	4/5/2014 2:00 PM	6601 E Oak Street	5840	5841	22948	50.5	90,900	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 11:30 AM	4/5/2014 3:30 PM	501 Plaza Drive	7236	7233	22506	52	156,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/3/2014 11:00 AM	4/4/2014 11:00 AM	4211 Western Avenue	11572	11576	15638	24	108,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/3/2014 10:30 AM	4/4/2014 6:00 PM	700 Fairway Drive	9032	9029	22433	31.5	94,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/3/2014 10:30 AM	4/4/2014 12:00 PM	601 W Mill Road	3785	3786	27336	25.5	38,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/3/2014 10:30 AM	4/4/2014 10:30 AM	711 W Mill Road	280751	3786	27329	25.5	153,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/3/2014 10:30 AM	4/4/2014 8:30 AM	1475 E Diamond Avenue	12210	12209	14882	22	66,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/3/2014 10:00 AM	4/3/2014 10:30 AM	516 N Boeke Road	NA	NA	7902	0.25	10	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	3/31/2014 7:00 PM	3/31/2014 8:45 PM	2209 Maplewood Circle	1800	2286	19796	1	60	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	3/28/2014 2:00 PM	3/28/2014 3:00 PM	1601 Crystal Court	2280	2286	19796	1	200	Street	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/26/2014 5:20 PM	3/26/2014 5:40 PM	6939 Kolt Drive	14080	14068	7781	0.33	10	Ground	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
E	SSS	3/25/2014 7:50 PM	3/25/2014 9:00 PM	225 S Cullen Avenue	6077	281263	6888	1.17	50	Street/Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	3/24/2014 3:45 PM	3/24/2014 4:50 PM	3301 N First Avenue	9151	9032	11435	1.08	650	Ground/Dry Branch Creek	Grasse	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	3/17/2014 3:15 PM	3/17/2014 4:45 PM	3001 S Weinbach Avenue	NA	2989	7072	1.5	25	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	SSS	3/16/2013 1:30 PM	3/16/2013 3:15 PM	101 Pemberton Avenue	9478	4046	11602	1.75	20	Ground	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
W	CSS	3/12/2013 4:20 PM	3/12/2013 5:10 PM	8 Tulip Avenue	12333	12312	24259	1.17	10	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	3/10/2013 2:45 PM	3/10/2013 5:15 PM	1304 N Heidelbach Avenue	4884	282375	5785	2.5	50	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	3/9/2014 12:30 PM	3/9/2014 2:15 PM	8005 Pine Creek Drive	127227	127228	22218	1.75	20	Ground	Equipment Failure	Damaged section of sewer	Utility to replace section of sewer	Yes	No	Yes
E	SSS	3/2/2014 4:25 PM	3/2/2014 6:25 PM	3014 Eastbrooke Drive	7327	7328	22486	2	10	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	2/27/2014 3:05 PM	2/27/2014 4:35 PM	1006 N Bosse Avenue	11444	11442	23793	1.5	270	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	2/25/2014 3:15 PM	2/25/2014 5:35 PM	2910 Graham Avenue	99634	9879	12687	2.33	50	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	2/19/2014 4:00 PM	2/19/2014 5:15 PM	5216 N Kerth Avenue	NA	9804	28948	1.25	10	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	2/13/2014 4:45 PM	2/13/2014 7:00 PM	3213 S Rotherwood Avenue	2160	2161	21566	2.25	675	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	2/3/2014 3:00 PM	2/3/2014 5:45 PM	7920 Lauderdale Drive	7952	78939	14999	2.75	40	Ground	Equipment Failure	Defective lateral connection to main sewer	Replaced section of main sewer and lateral	Yes	No	Yes
E	SSS	1/11/2014 5:45 PM	1/11/2014 7:55 PM	3430 Taylor Avenue	3471	3472	15003	2.17	6,500	Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	12/2/2014 9:30 AM	12/2/2014 10:35 PM	7 N Caranza Drive	13639	13640	12711	1.08	1,625	Ground/Pigeon Creek	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/1/2014 1:45 PM	1/1/2014 2:15 PM	124 Logwood Drive	123754	10623	11991	0.5	75	Basement Floor	Roots	Root infiltration	Lateral connection cleaned to remove roots	Yes	No	Yes
E	SSS	12/31/2013 4:20 PM	12/31/2013 7:20 PM	1921 Hawthorne Avenue	9913	4006	7689	3	200	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	12/30/2013 2:20 PM	12/30/2013 2:30 PM	6013 Whitehorse Drive	123213	10627	10062	0.17	5	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	12/24/2013 9:45 AM	12/24/2013 11:15 AM	5215 Stratford Road	9242	9243	12823	1.5	25	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	12/23/2013 3:45 PM	12/23/2013 4:05 PM	600 Drexel Drive	126200	280660	12994	0.33	250	Tributary	Roots	Root infiltration in pumps	Removed roots from pumps	Yes	No	NA
E	SSS	12/21/2013 9:30 PM	12/21/2013 12:20 AM	1817 Van Bibber Avenue	2350	2363	21581	2.83	100	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	12/21/2013 7:20 PM	12/22/2013 5:30 AM	7301 Lincoln Avenue	7209	7210	15116	10.17	30,480	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	12/21/2013 7:00 PM	12/22/2013 6:00 AM	2171 Shelby Avenue	2999	3000	14834	11	6,600	Ground/Eagle Creek	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
E	CSS	12/21/2013 7:00 PM	12/21/2013 8:00 PM	2001 N Weinbach Avenue	5296	5302	22930	1	12,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	12/21/2013 9:55 AM	12/22/2013 1:00 AM	2020 S Green River Road	10097	10103	25087	15.08	90,480	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	12/21/2013 9:30 AM	12/22/2013 6:30 AM	4211 Western Avenue	11572	11576	15638	21	94,500	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:30 PM	700 Fairway Drive	9032	9029	22433	33.25	99,750	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:00 AM	601 W Mill Road	3785	3786	27336	18.75	28,125	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:00 AM	711 W Mill Road	280751	3786	27329	18.75	112,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:00 AM	1187 Burch Drive	10918	10923	24226	18.75	168,750	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	12/21/2013 8:00 AM	12/22/2013 6:30 PM	6616 Lincoln Avenue	5839	5840	14395	34.50	51,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	12/21/2013 8:00 AM	12/22/2013 6:30 PM	6601 E Oak Street	5840	5841	22948	34.50	62,100	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	12/21/2013 7:00 AM	12/22/2013 7:30 PM	501 Plaza Drive	7236	7233	22506	36.50	109,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	12/21/2013 5:45 AM	12/22/2013 2:00 AM	1475 E Diamond Avenue	12210	12209	14882	20.25	60,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	12/17/2013 3:55 PM	12/17/2013 5:10 PM	206 S Royal Avenue	6016	6020	23533	1.25	30	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	12/15/2013 4:50 AM	12/15/2013 6:30 AM	620 Drexel Drive	126179	126178	12988	1.67	100	Basement Floor	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
W	SSS	12/14/2013 4:30 AM	12/14/2013 7:15 AM	2424 Schutte Road	15002	15001	15575	2.75	16,500	Ground/Bayou Creek Tributary	Equipment Failure	Pump float failure at Schutte Road lift station	Repaired pump float controller	Yes	No	NA
W	SSS	12/8/2013 11:50 AM	12/8/2013 2:00 AM	3330 W Maryland Street	8929	8930	19692	2.17	390	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	CSS	12/4/2013 2:00 PM	12/4/2013 3:00 PM	2 E Powell Avenue	9386	9385	20934	1	10	Ground	Debris	Debris in lateral connection	Lateral connection cleaned to remove obstruction	Yes	No	No
W	SSS	12/4/2013 9:30 AM	12/4/2013 5:30 PM	4008 N First Avenue	3731	3732	13668	8	480	Creek	Grease	Commercial grease waste	Sewer cleaned to remove grease	No	Yes	No
E	CSS	12/2/2013 10:30 AM	12/2/2013 11:45 AM	100 Washington Avenue	NA	4131	17458	1.25	25	Ground	Rags	Grease and rags in lateral connection	Lateral connection cleaned to remove obstruction	Yes	No	Yes
W	SSS	11/21/2013 3:40 PM	11/21/2013 4:50 PM	6015 Kratzville Road	10231	9373	22179	1.17	1,400	Ground/Private Lake	Equipment Failure	Offset section of sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	11/19/2013 12:30 PM	11/19/2013 5:30 PM	4008 N First Avenue	3731	3732	13668	1.5	400	Ground/Dry Branch Creek	Grease	Commercial grease waste	Sewer cleaned to remove grease	No	Yes	No
W	SSS	11/18/2013 6:00 PM	11/18/2013 7:30 PM	4909 Sunnyside Court	NA	NA	NA	1.5	400	Ground/Carpentier Creek Tributary	Debris	Debris in private sewer	Sewer cleaned to remove debris	No	Yes	No
W	SSS	11/17/2013 5:50 PM	11/17/2013 9:55 PM	614 Biddle Court	126184	126183	12996	4.08	735	Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	11/15/2013 1:35 PM	11/15/2013 3:05 PM	10 E Blackford Avenue	NA	282320	5703	1.5	10	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/12/2013 2:10 PM	11/12/2013 3:30 PM	719 Sonntag Avenue	8298	8196	5537	1.33	5	Ground	Equipment Failure	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	11/12/2013 1:55 PM	11/12/2013 2:50 PM	950 S Hebron Avenue	6977	6976	23265	0.92	275	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	11/10/2013 4:10 PM	11/10/2013 6:15 PM	942 Plaza Drive	281267	14139	26829	2.08	20	Ground	Roots	Root infiltration	Replaced section of lateral connection	Yes	No	Yes
E	SSS	10/17/2013 1:55 PM	10/17/2013 4:45 PM	7201 E. Chandler Avenue	7093	7092	23515	2.83	30	Garage Floor	Roots	Root infiltration	Replaced section of lateral connection	Yes	No	Yes
W	SSS	10/14/2013 10:00 AM	10/14/2013 12:15 PM	1407 Sandalwood Court	11362	11356	13791	2.25	20	Ground	Equipment Failure	Damaged section of sewer	Repaired section of main sewer	Yes	No	Yes
E	SSS	10/6/2013 5:30 AM	10/6/2013 8:00 AM	312 Harrison Boulevard	6300	6299	21907	2.5	40	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	10/6/2013 3:40 AM	10/6/2013 4:45 PM	2550 N Baker Avenue	15680	15679	22437	1.08	13,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	10/6/2013 3:40 AM	10/6/2013 4:45 PM	2524 N Baker Avenue	15679	15678	22436	1.08	6,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	10/6/2013 12:30 AM	10/6/2013 5:30 AM	711 W Mill Road	280751	3786	27329	5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	10/6/2013 12:30 AM	10/6/2013 5:30 AM	1475 E Diamond Avenue	12210	12209	14882	5	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	10/4/2013 6:00 PM	10/4/2013 6:45 PM	701 W Berkeley Avenue	9230	9229	11860	0.75	90	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	10/2/2013 10:15 PM	10/2/2013 11:00 PM	430 Washington Avenue	4150	NA	21177	0.75	200	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	10/2/2013 7:15 PM	10/2/2013 9:15 PM	1475 E Diamond Avenue	12210	12209	14882	2	3,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	10/2/2013 5:00 PM	10/2/2013 5:30 PM	532 Runymede Avenue	NA	7854	6590	0.5	430	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	Yes
W	SSS	10/2/2013 4:10 PM	10/2/2013 7:10 PM	2550 N Baker Avenue	15680	15679	22437	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	10/2/2013 4:10 PM	10/2/2013 7:10 PM	2524 N Baker Avenue	15679	15678	22436	1	3,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	CSS	10/2/2013 4:00 PM	10/2/2013 4:30 PM	2628 Hillcrest Terrace	8641	8642	17761	0.5	20	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	Yes

TABLE 3-1
SSO and CSS Releases
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	SSS	9/19/2013 1:35 PM	9/19/2013 2:05 PM	8401 West Terrace Drive	125951	125951	13808	0.5	100	Ground	Equipment Failure	University Heights lift station force main air release valve failed	Air release valve replaced	Yes	No	NA
W	SSS	9/13/2013 1:30 PM	9/13/2013 5:30 PM	5032 Stratford Road	9204	9202	11691	4	15,000	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	9/1/2013 2:00 AM	9/1/2013 4:45 AM	600 Drexel Drive	126200	280660	12994	2.75	330	Ground/Wolf Creek	Hydraulically					
W	SSS	8/31/2013 4:40 PM	8/31/2013 7:00 PM	418 Holly Hill Drive	127137	127161	12173	2.33	2,500	Tributary	Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	8/15/2013 7:40 AM	8/15/2013 8:00 AM	3815 Stringtown Road	8558	9557	12955	0.33	25	Ground/Storm Ditch	Roots	Root infiltration	Replaced sections of main sewer	Yes	No	Yes
												Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	8/8/2013 2:00 PM	8/8/2013 2:15 PM	1475 E Diamond Avenue	12210	12209	14882	0.25	300	Ground/Storm Sewer	Equipment Failure	Debris from broken water main in manhole	Manhole cleaned to remove debris	Yes	No	No
W	SSS	7/29/2013 8:45 PM	7/29/2013 9:35 PM	5704 Ashbrooke Road	9328	9329	21699	0.83	150	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	7/26/2013 10:50 AM	7/26/2013 1:20 PM	4202 Norwich Place	15392	15400	12128	2.5	50	Ground	Equipment Failure	Offset section of sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	7/24/2013 11:30 AM	7/24/2013 5:00 PM	5417 Stringtown Road	9778	282124	13150	5.5	330	Ground/Little Pigeon Creek Tributary	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	7/21/2013 8:25 PM	7/22/2013 4:30 AM	2550 N Baker Avenue	15680	15679	22437	8.08	22,000	Pigeon Creek Tributary	Hydraulically					
W	SSS	7/21/2013 8:25 PM	7/22/2013 4:30 AM	2524 N Baker Avenue	15679	15678	22436	8.08	5,500	Pigeon Creek Tributary	Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No	No
W	SSS	7/9/2013 10:40 AM	7/9/2013 11:10 AM	2601 N Saint Joseph Avenue	99782	99781	12514	0.67	750	Ground/Locust Creek Tributary	Hydraulically					
											Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
											Equipment Failure	Tangled pump float cords at Mesker Park lift station	Crew untangled pump float cords	Yes	No	NA
E	SSS	7/3/2013 3:10 PM	7/3/2013 4:15 PM	5304 Great Lakes Drive	13936	13934	8332	1.08	130	Ground / Storm Sewer	Equipment Failure	Pump controller failure at Lakeside Manor lift station	Replaced pump controller	Yes	No	NA

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	12/31/2018 1:15 PM	12/31/2018 1:45 PM	99 W Diamond Avenue	15683	15677	22438	0.5	24,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/1/2018 7:45 AM	11/1/2018 8:30 AM	99 W Diamond Avenue	15683	15677	22438	0.75	36,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	1	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/8/2018 11:45 AM	9/8/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	2.25	108,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	8/21/2018 5:25 PM	8/21/2018 6:05 PM	3315 Margybeth Avenue	10197	10198	23932	0.67	800	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	11/10/2014 7:45 AM	11/10/2014 9:00 AM	3315 Margybeth Avenue	10197	10198	23932	1.25	1,500	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	5/9/2018 4:00 PM	5/10/2018 9:00 AM	1407 Sandalwood Court	11362	11356	13791	17	500	Ground/Carpentier Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
W	SSS	10/14/2013 10:00 AM	10/14/2013 12:15 PM	1407 Sandalwood Court	11362	11356	13791	2.25	20	Ground	Equipment Failure	Damaged section of sewer	Repaired section of main sewer	Yes	No
E	CSS	2/24/2018 8:40 PM	2/24/2018 10:00 PM	1150 S Villa Drive	3689	282688	20021	1.33	16,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/3/2014 11:00 PM	4/4/2014 3:00 AM	1150 S Villa Drive	3689	282688	20021	4	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/24/2018 9:00 AM	2/24/2018 11:00 AM	11802 N Green River Road	15232	15233	9448	2	12,000	Ground/Schlensker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/20/2015 8:30 AM	6/20/2015 9:30 AM	11802 N Green River Road	15232	15233	9448	1	3,000	Ground/Schlensker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/23/2018 10:25 AM	2/23/2018 1:00 PM	2612 Kathleen Avenue	2912	2900	7665	2.58	500	Basement Floor	Unknown	Unknown	Utility to CCTV Sewer	Yes	No
E	SSS	2/23/2018 10:15 AM	2/23/2018 1:00 PM	2622 Kathleen Avenue	2912	2900	7665	2.75	500	Basement Floor	Unknown	Unknown	Utility to CCTV Sewer	Yes	No
W	SSS	1/22/2018 1:20 PM	1/22/2018 2:00 PM	726 Hanover Road	9253	9229	15455	0.67	200	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	7/10/2015 8:30 AM	7/10/2015 8:50 AM	726 Hanover Road	9253	9229	15455	0.33	1,000	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	6/23/2017 11:00 AM	6/23/2017 2:00 PM	7107 Locust Tree Lane	126053	LS	12250	3	360	Ground/Bayou Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/10/2016 6:35 AM	1/10/2016 7:10 AM	7107 Locust Tree Lane	126053	LS	12250	0.58	105	Ground	Equipment Failure	Pump failure at Locust Tree Lane lift station	Restored pump operation	Yes	No
W	CSS	4/16/2017 4:15 PM	4/16/2017 5:15 PM	600 S Barker Avenue	8406	283165	23743	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	7/3/2016 7:30 PM	7/3/2016 8:00 PM	600 S Barker Avenue	8406	283165	23743	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/12/2016 8:00 AM	9/12/2016 9:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1.5	900	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes
W	SSS	6/9/2016 12:30 PM	6/9/2016 1:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1	1,500	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes
E	SSS	9/8/2016 9:00 AM	9/8/2016 10:00 AM	1900 Pueblo Pass	NA	NA	NA	1	300	Ground	Grease	Pump failure at Private lift station	Restored pump operation	No	Yes
E	SSS	4/17/2015 12:15 PM	4/17/2015 1:15 PM	1900 Pueblo Pass	NA	NA	NA	1	300	Ground	Grease	Residential grease waste on private lift station floats	Grease removed by private maintenance crew	No	Yes
E	SSS	2/24/2018 7:15 PM	2/24/2018 11:00 PM	2401 Cass Avenue	282990	282989	29577	4	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 10:00 AM	5/5/2017 2:00 PM	2401 Cass Avenue	282990	282989	29577	4	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/16/2017 5:00 PM	4/16/2017 9:00 PM	2401 Cass Avenue	282990	282989	29577	4	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/2/2016 7:45 PM	2/2/2016 11:00 AM	2401 Cass Avenue	282990	282989	29577	3	9,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	11/1/2014 11:00 AM	11/1/2014 1:00 PM	2401 Cass Avenue	282990	282989	29577	2	24,000	Ground/Storm Sewer	Construction Related	Contractor damaged 8" water main that inundated the CSS	Contractor shut down and repaired broken water main	Yes	No
E	SSS	7/7/2015 5:15 PM	7/7/2015 6:00 PM	313 Polster Drive	6318	6317	6725	0.75	50	Ground	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No
E	SSS	3/6/2015 7:40 AM	3/6/2015 11:30 AM	324 Euclid Drive	6318	6317	6725	3.83	10	Ground	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No
E	SSS	2/24/2018 8:45 PM	2/24/2018 10:15 PM	1757 Jeanette Avenue	69704	10032	23290	1.5	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 5:00 AM	1757 Jeanette Avenue	69704	10032	23290	5	30,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 5:00 AM	1757 Jeanette Avenue	69704	10032	23290	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1713 Richardt Avenue	280925	5287	19894	5	15,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/3/2016 8:00 PM	7/4/2016 11:30 AM	1713 Richardt Avenue	280925	5287	19894	15.5	18,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	6/19/2015 11:00 PM	6/20/2015 5:00 AM	1713 Richardt Avenue	280925	5287	19894	6	3,600	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/10/2015 12:00 PM	3/10/2015 1:00 PM	1713 Richardt Avenue	280925	5287	19894	1	600	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/4/2014 12:30 PM	4/4/2014 1:30 AM	1713 Richardt Avenue	280925	5287	19894	1	100	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/18/2014 2:15 PM	4/18/2014 4:00 PM	950 S Hebron Avenue	6977	6976	23265	1.75	50	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	11/12/2013 1:55 PM	11/12/2013 2:50 PM	950 S Hebron Avenue	6977	6976	23265	0.92	275	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	2/23/2018 10:15 AM	2/23/2018 12:30 PM	2717 N Stockwell Road	73819	5667	15407	2.25	270	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 9:00 AM	5/5/2017 10:30 AM	2701 N Stockwell Road	73819	5667	15407	1.5	9,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
E	SSS	4/29/2017 3:00 AM	4/29/2017 8:00 AM	2701 N Stockwell Road	73819	5667	15407	5	30,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:30 AM	6/20/2015 2:00 AM	2701 N Stockwell Road	73819	5667	15407	1.5	9,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/4/2014 1:00 PM	4/4/2014 7:00 PM	2701 N Stockwell Road	73819	5667	15407	6	18,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:00 PM	2333 Bergdolt Road	7381	7380	14990	3.5	10,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:30 AM	6/20/2015 5:30 AM	2333 Bergdolt Road	7381	7380	14990	5	15,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/15/2018 2:55 AM	12/15/2018 6:45 AM	5317 Hitch Peters Road	7480	7479	23717	3.83	11,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/24/2018 7:30 PM	2/25/2018 2:00 AM	5317 Hitch Peters Road	7480	7479	23717	6.5	19,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/23/2017 7:00 AM	7/23/2017 8:15 AM	5317 Hitch Peters Road	7480	7479	23717	1.25	7,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	5317 Hitch Peters Road	7480	7479	23717	5	15,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/29/2017 2:00 AM	4/29/2017 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	13	39,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	5.5	16,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/26/2016 10:30 PM	6/27/2016 1:00 AM	5317 Hitch Peters Road	7480	7479	23717	2.5	11,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	3.5	15,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/27/2016 7:30 PM	4/27/2016 10:30 PM	5317 Hitch Peters Road	7480	7479	23717	3	13,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:00 PM	5317 Hitch Peters Road	7480	7479	23717	3.5	15,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/28/2015 2:00 PM	12/28/2015 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	3,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:30 AM	6/20/2015 8:00 AM	5317 Hitch Peters Road	7480	7479	23717	7.5	22,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2015 3:45 AM	4/3/2015 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	11.25	23,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/13/2015 11:00 AM	3/14/2015 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	19	22,800	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/4/2015 12:15 AM	3/4/2015 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	5.75	6,900	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/1/2014 7:00 PM	7/1/2014 10:15 PM	5317 Hitch Peters Road	7480	7479	23717	3.25	9,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/14/2014 5:30 PM	5/14/2014 8:00 PM	5317 Hitch Peters Road	7480	7479	23717	2.5	7,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2014 12:00 PM	4/4/2014 11:00 AM	5317 Hitch Peters Road	7480	7479	23717	23	27,600	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/24/2013 3:00 PM	6/24/2013 5:00 PM	5300 Hitch Peters Road	7480	7479	23717	2	600	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6617 E Oak Street	7253	5839	14394	102	70,875	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6617 E Oak Street	7253	5839	14394	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/10/2015 8:30 AM	7/10/2015 8:00 PM	6617 E Oak Street	7253	5839	14394	11.5	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6617 E Oak Street	7253	5839	14394	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6617 E Oak Street	7253	5839	14394	16.0	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2015 4:30 AM	4/4/2015 1:45 AM	6617 E Oak Street	7253	5839	14394	21.3	109,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/13/2015 1:30 PM	3/15/2015 1:00 AM	6617 E Oak Street	7253	5839	14394	35.5	213,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	11.00	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/4/2015 12:15 AM	3/4/2015 11:00 PM	6616 Lincoln Avenue	5839	5840	14395	23	68,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2014 12:00 PM	4/5/2014 2:00 PM	6616 Lincoln Avenue	5839	5840	14395	50	75,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/21/2013 8:00 AM	12/22/2013 6:30 PM	6616 Lincoln Avenue	5839	5840	14395	34.50	51,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	4108 Western Avenue	11445	11571	15704	2	14,400	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/7/2017 9:00 AM	3/7/2017 1:00 PM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/3/2016 7:30 PM	7/4/2016 11:00 AM	4108 Western Avenue	11445	11571	15704	15.5	27,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/12/2016 2:00 AM	5/12/2016 6:00 AM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/2/2016 7:15 PM	2/2/2016 10:30 PM	4108 Western Avenue	11445	11571	15704	3.25	9,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4108 Western Avenue	11445	11571	15704	3.92	7,050	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:35 AM	11/17/2015 10:30 AM	4108 Western Avenue	11445	11571	15704	1.92	5,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/25/2018 12:15 PM	9/25/2018 2:15 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 1:00 AM	4/29/2017 5:00 AM	4211 Western Avenue	11572	11576	15638	4	24,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/27/2016 8:45 PM	4/27/2016 10:30 PM	4211 Western Avenue	11572	11576	15638	1.75	2,100	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/10/2016 1:00 PM	3/10/2016 7:00 PM	4211 Western Avenue	11572	11576	15638	6	7,200	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/27/2015 9:00 AM	12/27/2015 12:00 PM	4211 Western Avenue	11572	11576	15638	3	3,600	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4211 Western Avenue	11572	11576	15638	3.92	4,700	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:30 AM	11/17/2015 10:30 AM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	4211 Western Avenue	11572	11576	15638	1	3,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/19/2015 10:30 PM	6/20/2015 5:30 AM	4211 Western Avenue	11572	11576	15638	7	21,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/3/2015 3:30 AM	4/3/2015 3:00 PM	4211 Western Avenue	11572	11576	15638	11.5	31,500	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/13/2015 10:00 AM	3/14/2015 7:00 AM	4211 Western Avenue	11572	11576	15638	21	63,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/10/2015 12:00 PM	3/10/2015 2:00 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/3/2015 11:45 PM	3/4/2015 11:30 AM	4211 Western Avenue	11572	11576	15638	11.75	35,250	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/3/2015 10:15 AM	1/3/2015 12:30 PM	4211 Western Avenue	11572	11576	15638	2.25	6,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/5/2014 5:30 PM	12/5/2014 6:45 PM	4211 Western Avenue	11572	11576	15638	1.25	3,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	10/13/2014 6:15 PM	10/13/2014 7:15 PM	4211 Western Avenue	11572	11576	15638	1	1,500	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/17/2014 8:30 AM	8/17/2014 10:00 AM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/1/2014 6:15 PM	7/1/2014 10:30 PM	4211 Western Avenue	11572	11576	15638	4.25	19,125	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/26/2014 5:30 PM	6/26/2014 7:00 PM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/4/2014 6:15 PM	6/4/2014 7:45 PM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/14/2014 5:30 PM	5/14/2014 8:30 PM	4211 Western Avenue	11572	11576	15638	3	13,500	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/28/2014 6:00 PM	4/28/2014 8:30 PM	4211 Western Avenue	11572	11576	15638	2.5	11,250	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/3/2014 11:00 AM	4/4/2014 11:00 AM	4211 Western Avenue	11572	11576	15638	24	108,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/21/2013 9:30 AM	12/22/2013 6:30 AM	4211 Western Avenue	11572	11576	15638	21	94,500	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	8/17/2014 8:30 AM	8/17/2014 11:00 AM	700 Fairway Drive	9032	9029	22433	2.5	7,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/14/2014 5:00 PM	5/14/2014 7:30 PM	700 Fairway Drive	9032	9029	22433	2.5	7,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/28/2014 6:00 PM	4/28/2014 10:00 PM	700 Fairway Drive	9032	9029	22433	4	12,000	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/3/2014 10:30 AM	4/4/2014 6:00 PM	700 Fairway Drive	9032	9029	22433	31.5	94,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 5:30 PM	700 Fairway Drive	9032	9029	22433	33.25	99,750	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	5/14/2014 5:00 PM	5/14/2014 8:30 PM	601 W Mill Road	3785	3786	27336	3.5	5,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/3/2014 10:30 AM	4/4/2014 12:00 PM	601 W Mill Road	3785	3786	27336	25.5	38,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:00 AM	601 W Mill Road	3785	3786	27336	18.75	28,125	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	7/10/2015 8:25 AM	7/10/2015 8:30 AM	7301 Lincoln Avenue	7209	7210	15116	0.08	250	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Pumps adjusted to meet discharge capacity	Yes	No
E	SSS	3/14/2015 4:15 AM	3/14/2015 9:30 AM	7301 Lincoln Avenue	7209	7210	15116	5.25	15,750	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/21/2013 7:20 PM	12/22/2013 5:30 AM	7301 Lincoln Avenue	7209	7210	15116	10.17	30,480	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	3/18/2013 10:25 AM	3/18/2013 10:30 AM	7301 Lincoln Avenue	7209	7210	15116	0.08	250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Pumps adjusted to meet discharge capacity	Yes	No
E	SSS	2/24/2018 8:30 PM	2/25/2018 2:00 AM	2020 S Green River Road	10097	10103	25087	5.5	13,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 10:00 AM	5/5/2017 11:30 AM	2020 S Green River Road	10097	10103	25087	1.5	2,250	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/16/2017 4:45 PM	4/16/2017 7:45 PM	2020 S Green River Road	10097	10103	25087	3	9,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/4/2016 9:00 AM	7/4/2016 12:15 PM	2020 S Green River Road	10097	10103	25087	3.25	9,750	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/27/2016 7:00 PM	4/27/2016 9:30 PM	2020 S Green River Road	10097	10103	25087	2.5	3,750	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:30 PM	2020 S Green River Road	10097	10103	25087	4	12,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 6:30 AM	2020 S Green River Road	10097	10103	25087	6.5	19,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/4/2014 6:15 PM	6/4/2014 8:20 PM	2020 S Green River Road	10097	10103	25087	2.08	6,250	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 2:00 PM	2020 S Green River Road	10097	10103	25087	15	78,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/21/2013 9:55 AM	12/22/2013 1:00 AM	2020 S Green River Road	10097	10103	25087	15.08	90,480	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	12/4/2013 9:30 AM	12/4/2013 5:30 PM	4008 N First Avenue	3731	3732	13668	8	480	Ground/Dry Branch Creek	Grease	Commercial grease waste	Sewer cleaned to remove grease	No	Yes
W	SSS	11/19/2013 12:30 PM	11/19/2013 5:30 PM	4008 N First Avenue	3731	3732	13668	1.5	400	Ground/Dry Branch Creek	Grease	Commercial grease waste	Sewer cleaned to remove grease	No	Yes
E	SSS	4/3/2015 2:00 PM	4/3/2015 3:15 PM	6223 Twickingham Drive	11087	NA	8104	1.25	150	Ground/Little Pigeon Creek Tributary	Equipment Failure	Tangled pump float cords at Twickingham lift station	Crew untangled pump float cords	Yes	No
E	SSS	4/3/2014 11:40 PM	4/4/2014 8:00 AM	6218 Twickingham Drive	11078	11087	8103	8.33	100	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/27/2013 5:45 AM	6/27/2013 6:45 AM	6218 Twickingham Drive	11087	NA	8104	1	90	Ground/Basement Floor	Power Failure	Power failure at Station	Power restored to station	Yes	No
W	SSS	12/15/2018 3:05 AM	12/15/2018 6:55 AM	1187 Burch Drive	10918	10923	24226	3.83	46,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	1187 Burch Drive	10918	10923	24226	2	24,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/23/2017 7:00 AM	7/23/2017 8:45 AM	1187 Burch Drive	10918	10923	24226	1.75	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	1187 Burch Drive	10918	10923	24226	5	30,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 2:00 AM	4/29/2017 6:00 PM	1187 Burch Drive	10918	10923	24226	16	96,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1187 Burch Drive	10918	10923	24226	5.5	33,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/26/2016 11:00 PM	6/27/2016 2:00 AM	1187 Burch Drive	10918	10923	24226	3	18,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	1187 Burch Drive	10918	10923	24226	3.5	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/20/2015 12:30 AM	6/20/2015 8:00 AM	1187 Burch Drive	10918	10923	24226	7.5	45,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/13/2015 11:00 AM	3/14/2015 6:00 AM	1187 Burch Drive	10918	10923	24226	19	85,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/10/2015 1:00 PM	3/10/2015 5:30 PM	1187 Burch Drive	10918	10923	24226	4.5	27,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/28/2014 6:00 PM	4/28/2014 8:30 PM	1187 Burch Drive	10918	10923	24226	2.5	15,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/3/2014 4:30 PM	4/4/2014 12:00 PM	1187 Burch Drive	10918	10923	24226	19.5	175,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:00 AM	1187 Burch Drive	10918	10923	24226	18.75	168,750	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	12/15/2018 9:00 AM	12/15/2018 11:30 PM	6601 E Oak Street	5840	5841	22948	15	87,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	6601 E Oak Street	5840	5841	22948	2	2,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/25/2018 10:30 AM	6/25/2018 8:30 PM	6601 E Oak Street	5840	5841	22948	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/2/2018 12:30 AM	4/2/2018 5:00 AM	6601 E Oak Street	5840	5841	22948	5	5,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
E	SSS	3/29/2018 4:00 PM	3/30/2018 1:00 PM	6601 E Oak Street	5840	5841	22948	21	25,200	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6601 E Oak Street	5840	5841	22948	102	141,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 7:30 AM	5/6/2017 12:30 AM	6601 E Oak Street	5840	5841	22948	17	51,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/29/2017 9:00 AM	4/30/2017 10:00 PM	6601 E Oak Street	5840	5841	22948	37	54,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/4/2016 9:15 AM	7/4/2016 3:00 PM	6601 E Oak Street	5840	5841	22948	6	17,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/27/2016 7:30 PM	4/28/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/10/2016 1:30 PM	3/10/2016 8:00 PM	6601 E Oak Street	5840	5841	22948	7	83,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/2/2016 7:45 PM	2/3/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/10/2015 8:30 AM	7/10/2015 7:00 PM	6601 E Oak Street	5840	5841	22948	10.5	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6601 E Oak Street	5840	5841	22948	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6601 E Oak Street	5840	5841	22948	16.0	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2015 4:30 AM	4/4/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	21.5	111,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/13/2015 1:15 PM	3/15/2015 1:00 AM	6601 E Oak Street	5840	5841	22948	35.8	214,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	11.0	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/4/2015 12:00 AM	3/4/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	23.0	41,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/28/2014 7:00 AM	4/28/2014 11:00 AM	6601 E Oak Street	5840	5841	22948	4.0	2,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2014 11:30 AM	4/5/2014 2:00 PM	6601 E Oak Street	5840	5841	22948	50.5	90,900	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/21/2013 8:00 AM	12/22/2013 6:30 PM	6601 E Oak Street	5840	5841	22948	34.50	62,100	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	12/23/2015 2:00 PM	12/23/2015 3:00 PM	2524 N Baker Avenue	15679	15678	22436	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:00 AM	11/17/2015 9:00 AM	2524 N Baker Avenue	15679	15678	22436	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	10/6/2013 3:40 AM	10/6/2013 4:45 PM	2524 N Baker Avenue	15679	15678	22436	1.08	6,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	10/2/2013 4:10 PM	10/2/2013 7:10 PM	2524 N Baker Avenue	15679	15678	22436	1	3,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	7/21/2013 8:25 PM	7/22/2013 4:30 AM	2524 N Baker Avenue	15679	15678	22436	8.08	5,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	3/28/2018 8:45 AM	3/29/2018 2:00 PM	2550 N Baker Avenue	15680	15679	22437	29.25	93,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 7:45 AM	11/17/2015 9:00 AM	2550 N Baker Avenue	15680	15679	22437	1.25	18,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/6/2015 12:15 AM	11/6/2015 2:30 AM	2550 N Baker Avenue	15680	15679	22437	2.25	33,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	10/6/2013 3:40 AM	10/6/2013 4:45 PM	2550 N Baker Avenue	15680	15679	22437	1.08	13,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	10/2/2013 4:10 PM	10/2/2013 7:10 PM	2550 N Baker Avenue	15680	15679	22437	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	7/21/2013 8:25 PM	7/22/2013 4:30 AM	2550 N Baker Avenue	15680	15679	22437	8.08	22,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No
W	SSS	5/31/2018 12:15 PM	5/31/2018 1:00 PM	41 Oak Meadow	NA	NA	NA	0.75	225	Ground	Power Failure	Power failure at Station	Generator activated	Yes	No
W	SSS	6/20/2015 12:30 AM	6/20/2015 2:00 AM	41 Oak Meadow	NA	NA	NA	1.5	900	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	1475 E Diamond Avenue	12210	12209	14882	1	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	9/8/2018 12:30 PM	9/8/2018 1:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1475 E Diamond Avenue	12210	12209	14882	5	22,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	5/5/2017 7:00 AM	5/5/2017 10:30 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	15,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/29/2017 12:30 AM	4/29/2017 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	11.5	21,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	8/10/2016 11:15 AM	8/10/2016 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	3,375	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
E	CSS	7/27/2016 6:30 PM	7/27/2016 7:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.5	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/3/2016 8:00 PM	7/4/2016 11:30 AM	1475 E Diamond Avenue	12210	12209	14882	15.5	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	6/26/2016 10:30 PM	6/26/2016 11:45 PM	1475 E Diamond Avenue	12210	12209	14882	1.25	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	10,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/27/2016 7:30 PM	4/27/2016 10:30 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/10/2016 3:15 PM	3/10/2016 6:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.75	8,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/2/2016 7:00 PM	2/2/2016 10:00 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.5	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	3,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	6/19/2015 10:30 PM	6/20/2015 5:00 AM	1475 E Diamond Avenue	12210	12209	14882	6.5	19,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/3/2015 3:00 AM	4/3/2015 3:30 PM	1475 E Diamond Avenue	12210	12209	14882	12.5	28,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/13/2015 11:00 AM	3/13/2015 7:30 PM	1475 E Diamond Avenue	12210	12209	14882	8.5	25,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/10/2015 11:30 AM	3/10/2015 3:30 PM	1475 E Diamond Avenue	12210	12209	14882	4	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	1/3/2015 10:00 AM	1/3/2015 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	2	6,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	12/5/2014 5:30 PM	12/5/2014 6:15 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	8/28/2014 7:00 PM	8/28/2014 8:30 PM	1475 E Diamond Avenue	12210	12209	14882	1.5	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	8/17/2014 8:40 AM	8/17/2014 11:15 AM	1475 E Diamond Avenue	12210	12209	14882	2.58	7,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/1/2014 6:30 PM	7/1/2014 8:20 PM	1475 E Diamond Avenue	12210	12209	14882	1.83	5,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	6/4/2014 6:15 PM	6/4/2014 7:20 PM	1475 E Diamond Avenue	12210	12209	14882	1.08	2,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	5/14/2014 5:15 PM	5/14/2014 8:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.75	8,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/3/2014 10:30 AM	4/4/2014 8:30 AM	1475 E Diamond Avenue	12210	12209	14882	22	66,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	12/21/2013 5:45 AM	12/22/2013 2:00 AM	1475 E Diamond Avenue	12210	12209	14882	20.25	60,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	10/6/2013 12:30 AM	10/6/2013 5:30 AM	1475 E Diamond Avenue	12210	12209	14882	5	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	10/2/2013 7:15 PM	10/2/2013 9:15 PM	1475 E Diamond Avenue	12210	12209	14882	2	3,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	8/8/2013 2:00 PM	8/8/2013 2:15 PM	1475 E Diamond Avenue	12210	12209	14882	0.25	300	Ground/Storm Sewer	Equipment Failure	Debris from broken water main in manhole	Manhole cleaned to remove debris	Yes	No
E	SSS	4/28/2014 7:00 AM	4/28/2014 1:00 PM	501 Plaza Drive	7236	7233	22506	6	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2014 11:30 AM	4/5/2014 3:30 PM	501 Plaza Drive	7236	7233	22506	52.00	156,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/21/2013 7:00 AM	12/22/2013 7:30 PM	501 Plaza Drive	7236	7233	22506	36.50	109,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	2001 N Weinbach Avenue	5296	5302	22930	2	24,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/2/2016 7:15 PM	2/2/2016 7:30 PM	2001 N Weinbach Avenue	5296	5302	22930	0.25	3,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/3/2014 11:00 PM	4/4/2014 3:00 AM	2001 N Weinbach Avenue	5296	5302	22930	4	48,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	12/21/2013 7:00 PM	12/21/2013 8:00 PM	2001 N Weinbach Avenue	5296	5302	22930	1	12,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/29/2017 9:45 AM	4/29/2017 12:45 PM	2808 Longacre Drive	7331	281808	28347	3	9,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/10/2016 4:30 PM	3/11/2016 7:00 PM	2808 Longacre Drive	7331	281808	28347	27	31,800	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/19/2013 7:00 AM	4/19/2013 9:00 AM	2800 Longacre Drive	7331	281808	28347	2	600	Ground	Power Failure	Power failure at Station	Power restored to station	Yes	No
W	SSS	12/27/2018 3:30 PM	12/27/2018 4:30 PM	600 Drexel Drive	126200	280660	12994	1	3,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/15/2018 7:45 AM	12/15/2018 12:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/12/2018 2:15 AM	6/12/2018 4:15 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2017 1:30 AM	12/23/2017 6:00 AM	600 Drexel Drive	126200	280660	12994	4.5	13,500	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	5/5/2017 7:30 AM	5/5/2017 9:30 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 1:00 PM	600 Drexel Drive	126200	280660	12994	11.5	51,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/12/2016 3:00 AM	5/12/2016 4:10 AM	600 Drexel Drive	126200	280660	12994	1.16	7,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/6/2015 2:55 AM	8/6/2015 5:00 AM	600 Drexel Drive	126200	280660	12994	2.08	6,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/19/2015 11:45 PM	6/20/2015 5:00 AM	600 Drexel Drive	126200	280660	12994	5.25	15,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/3/2015 10:40 PM	3/4/2015 12:25 AM	600 Drexel Drive	126200	280660	12994	1.75	5,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/1/2014 6:50 PM	7/1/2014 8:25 PM	600 Drexel Drive	126200	280660	12994	1.58	1,900	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2013 3:45 PM	12/23/2013 4:05 PM	600 Drexel Drive	126200	280660	12994	0.33	250	Ground/Wolf Creek Tributary	Roots	Root infiltration in pumps	Removed roots from pumps	Yes	No
W	SSS	9/1/2013 2:00 AM	9/1/2013 4:45 AM	600 Drexel Drive	126200	280660	12994	2.75	330	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/15/2018 2:30 AM	12/15/2018 6:30 AM	711 W Mill Road	280751	3786	27329	6	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	711 W Mill Road	280751	3786	27329	2.25	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/25/2018 1:30 PM	9/25/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/8/2018 12:00 PM	9/8/2018 2:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/24/2018 5:00 PM	2/25/2018 2:30 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 12:30 AM	4/29/2017 1:30 PM	711 W Mill Road	280751	3786	27329	13	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/4/2016 9:00 AM	7/4/2016 10:30 AM	711 W Mill Road	280751	3786	27329	1.5	4,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/2/2016 7:30 PM	2/2/2016 10:30 PM	711 W Mill Road	280751	3786	27329	3	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	3,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 4:45 PM	12/23/2015 6:00 PM	711 W Mill Road	280751	3786	27329	2	3,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 9:00 AM	11/17/2015 11:00 AM	711 W Mill Road	280751	3786	27329	2	6,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/19/2015 11:30 PM	6/20/2015 5:30 AM	711 W Mill Road	280751	3786	27329	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/19/2015 10:30 AM	4/19/2015 8:30 PM	711 W Mill Road	280751	3786	27329	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/10/2015 12:45 AM	4/10/2015 2:00 AM	711 W Mill Road	280751	3786	27329	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/3/2015 3:15 AM	4/3/2015 4:00 PM	711 W Mill Road	280751	3786	27329	12.75	83,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/13/2015 10:30 AM	3/14/2015 8:30 AM	711 W Mill Road	280751	3786	27329	22	132,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/10/2015 12:00 PM	3/10/2015 5:15 PM	711 W Mill Road	280751	3786	27329	5.25	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/3/2015 11:45 PM	3/4/2015 1:30 PM	711 W Mill Road	280751	3786	27329	13.75	82,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/3/2015 10:00 AM	1/3/2015 2:15 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/5/2014 5:15 PM	12/5/2014 7:00 PM	711 W Mill Road	280751	3786	27329	1.75	10,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/17/2014 9:00 AM	8/17/2014 11:10 AM	711 W Mill Road	280751	3786	27329	2.16	13,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/1/2014 6:30 PM	7/1/2014 10:45 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/4/2014 6:10 PM	6/4/2014 7:25 PM	711 W Mill Road	280751	3786	27329	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/14/2014 5:00 PM	5/14/2014 9:15 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/9/2014 5:35 PM	5/9/2014 7:00 PM	711 W Mill Road	280751	3786	27329	1.42	1,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/28/2014 6:00 PM	4/28/2014 10:00 PM	711 W Mill Road	280751	3786	27329	4	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/7/2014 12:45 PM	4/7/2014 4:50 PM	711 W Mill Road	280751	3786	27329	4.08	12,240	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/3/2014 10:30 AM	4/4/2014 12:00 PM	711 W Mill Road	280751	3786	27329	25.5	153,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:00 AM	711 W Mill Road	3786	280751	27329	18.75	112,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	10/6/2013 12:30 AM	10/6/2013 5:30 AM	711 W Mill Road	3786	280751	27329	5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	CSS	12/15/2018 1:00 AM	12/15/2018 2:00 AM	900 S Tekoppel Avenue	11298	8420	23658	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	6/24/2018 9:45 PM	6/24/2018 10:15 PM	900 S Tekoppel Avenue	11298	8420	23658	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	3/29/2018 1:20 PM	3/29/2018 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	0.17	1,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/24/2018 5:00 PM	2/25/2018 3:00 PM	900 S Tekoppel Avenue	11298	8420	23658	22	132,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	7/23/2017 6:45 AM	7/23/2017 7:30 AM	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	4/29/2017 12:45 AM	4/29/2017 9:30 AM	900 S Tekoppel Avenue	11298	8420	23658	8.75	57,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	5/12/2016 1:30 AM	5/12/2016 2:50 AM	900 S Tekoppel Avenue	11298	8420	23658	1.33	32,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/2/2016 6:45 PM	2/2/2016 8:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	36,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	6/26/2014 5:10 PM	6/26/2014 6:40 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/6/2017 9:00 PM	8/6/2017 9:30 PM	2424 Schutte Road	15002	15001	15575	0.50	3,000	Ground/Bayou Creek Tributary	Power Failure	Power failure at station	Generator activated	Yes	No
W	SSS	12/14/2013 4:30 AM	12/14/2013 7:15 AM	2424 Schutte Road	15002	15001	15575	2.75	16,500	Ground/Bayou Creek Tributary	Equipment Failure	Pump float failure at Schutte Road lift station	Repaired pump float controlller	Yes	No
E	SSS	10/21/2015 8:00 AM	10/21/2015 8:30 AM	206 S Royal Avenue	6016	6020	23533	0.5	10	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No
E	SSS	12/17/2013 3:55 PM	12/17/2013 5:10 PM	206 S Royal Avenue	6016	6020	23533	1.25	30	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	CSS	3/27/2015 5:40 PM	3/27/2015 6:00 PM	2418 Joan Place	12417	12405	14592	0.33	100	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	CSS	2/10/2015 1:20 PM	2/10/2015 2:15 PM	2418 Joan Place	12417	12405	14592	0.92	75	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1019 Saint George Road	9786	9785	13111	5.5	16,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/22/2015 9:00 AM	6/22/2015 10:30 AM	1019 Saint George Road	9786	9785	13111	1.5	100	Ground	Hydraulically Maximized	Manhole had evidence of release from rain event	Precipitation event ended and collection system returned to normal capacity	Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/31/2018 1:15 PM	12/31/2018 1:45 PM	99 W Diamond Avenue	15683	15677	22438	0.5	24,000	Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/27/2018 3:30 PM	12/27/2018 4:30 PM	600 Drexel Drive	126200	280660	12994	1	3,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/19/2018 7:30 PM	12/19/2018 11:30 PM	7100 E Virginia Street	279510	279504	24724	4	25	Ground / Storm Sewer	Unknown	Pending CCTV	Pending CCTV	Yes	No
E	SSS	12/15/2018 9:00 AM	12/15/2018 11:30 PM	6601 E Oak Street	5840	5841	22948	15	87,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	12/15/2018 7:45 AM	12/15/2018 12:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	12/15/2018 3:05 AM	12/15/2018 6:55 AM	1187 Burch Drive	10918	10923	24226	3.83	46,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	12/15/2018 2:30 AM	12/15/2018 6:30 AM	711 W Mill Road	280751	3786	27329	6	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	CSS	12/15/2018 1:00 AM	12/15/2018 2:00 AM	900 S Tekoppel Avenue	11298	8420	23658	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	6601 E Oak Street	5840	5841	22948	2	2,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	711 W Mill Road	280751	3786	27329	2.25	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	11/1/2018 7:45 AM	11/1/2018 8:30 AM	99 W Diamond Avenue	15683	15677	22438	0.75	36,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	1187 Burch Drive	10918	10923	24226	2	24,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	9/25/2018 1:30 PM	9/25/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	CSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	1475 E Diamond Avenue	12210	12209	14882	1	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	1	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	9/25/2018 12:15 PM	9/25/2018 2:15 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	CSS	9/8/2018 12:30 PM	9/8/2018 1:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	9/8/2018 12:00 PM	9/8/2018 2:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	9/8/2018 11:45 AM	9/8/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	2.25	108,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	SSS	8/21/2018 5:25 PM	8/21/2018 6:05 PM	3315 Margybeth Avenue	10197	10198	23932	0.67	800	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	7/9/2018 8:15 AM	7/9/2018 1:45 PM	3800 Western Hills Avenue	11412	283991	27227	5.5	3,300	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
E	SSS	6/25/2018 10:30 AM	6/25/2018 8:30 PM	6601 E Oak Street	5840	5841	22948	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	CSS	6/24/2018 9:45 PM	6/24/2018 10:15 PM	900 S Tekoppel Avenue	11298	8420	23658	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	6/12/2018 2:15 AM	6/12/2018 4:15 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	5/9/2018 4:00 PM	5/10/2018 9:00 AM	1407 Sandalwood Court	11362	11356	13791	17	500	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
W	CSS	4/3/2018 1:15 PM	4/7/2018 10:00 AM	717 S Barker Avenue	283553	8369	30079	44.75	2,800	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	SSS	4/2/2018 12:30 AM	4/2/2018 5:00 AM	6601 E Oak Street	5840	5841	22948	5	5,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	SSS	3/29/2018 4:00 PM	3/30/2018 1:00 PM	6601 E Oak Street	5840	5841	22948	21	25,200	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	CSS	3/29/2018 1:20 PM	3/29/2018 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	0.17	1,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	3/28/2018 8:45 AM	3/29/2018 2:00 PM	2550 N Baker Avenue	15680	15679	22437	29.25	93,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	3/12/2018 9:00 AM	3/12/2018 2:30 PM	8600 University Boulevard	282153	WW	28722	5.5	6,600	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes
W	SSS	3/11/2018 4:15 PM	3/11/2018 5:30 PM	7601 Clarke Lane	11303	126074	15557	1.25	750	Ground/Carpenter Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
E	SSS	2/26/2018 9:50 AM	2/26/2018 11:30 AM	1401 Southfield Road	10461	10463	7026	1.67	500	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	CSS	2/24/2018 8:45 PM	2/24/2018 10:00 PM	1500 E Walnut Street	11927	11915	20332	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	SSS	2/24/2018 8:45 PM	2/24/2018 10:15 PM	1757 Jeanette Avenue	69704	10032	23290	1.5	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	CSS	2/24/2018 8:40 PM	2/24/2018 10:00 PM	1150 S Villa Drive	3689	282688	20021	1.33	16,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	CSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	2001 N Weinbach Avenue	5296	5302	22930	2	24,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	SSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	4108 Western Avenue	11445	11571	15704	2	14,400	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	SSS	2/24/2018 8:30 PM	2/25/2018 2:00 AM	2020 S Green River Road	10097	10103	25087	5.5	13,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
W	CSS	2/24/2018 8:00 PM	2/25/2018 2:00 AM	802 S Barker Avenue	8368	8369	20640	6	72,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No
E	SSS	2/24/2018 7:15 PM	2/24/2018 11:00 PM	2401 Cass Avenue	282990	282989	29577	4	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Collection System hydraulically Maximized	Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1713 Richardt Avenue	280925	5287	19894	5	15,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1475 E Diamond Avenue	12210	12209	14882	5	22,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/24/2018 5:00 PM	2/25/2018 3:00 PM	900 S Tekoppel Avenue	11298	8420	23658	22	132,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/24/2018 5:00 PM	2/25/2018 2:30 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/24/2018 9:00 AM	2/24/2018 11:00 AM	11802 N Green River Road	15232	15233	9448	2	12,000	Ground/Schlensker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6617 E Oak Street	7253	5839	14394	102	70,875	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6601 E Oak Street	5840	5841	22948	102	141,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/22/2018 1:20 PM	1/22/2018 2:00 PM	726 Hanover Road	9253	9229	15455	0.67	200	Ground/Storm Sewer Basement Floor/Wall	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	1/22/2018 10:00 AM	1/22/2018 11:30 AM	612 Drexel Drive	126178	126177	12989	1.5	2,325	Creek Tributary	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	1/21/2018 11:30 AM	1/21/2018 1:30 AM	5725 N First Avenue	9268	9379	11985	2	2,400	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2017 1:30 AM	12/23/2017 6:00 AM	600 Drexel Drive	126200	280660	12994	4.5	13,500	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/6/2017 9:00 PM	8/6/2017 9:30 PM	2424 Schutte Road	15002	15001	15575	0.50	3,000	Ground/Bayou Creek	Power Failure	Power failure at station	Generator activated	Yes	No
W	SSS	7/25/2017 2:25 PM	7/25/2017 5:00 PM	1201 W Buena Vista Rd	3746	3745	11517	2.58	3,875	Ground/Dry Branch Creek	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	7/23/2017 7:00 AM	7/23/2017 8:45 AM	1187 Burch Drive	10918	10923	24226	1.75	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	7/23/2017 6:45 AM	7/23/2017 7:30 AM	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/23/2017 11:00 AM	6/23/2017 2:00 PM	7107 Locust Tree Lane	126053	LS	12250	3	360	Ground/Bayou Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 10:00 AM	5/5/2017 11:30 AM	2020 S Green River Road	10097	10103	25087	1.5	2,250	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 10:00 AM	5/5/2017 2:00 PM	2401 Cass Avenue	282990	282989	29577	4	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	1187 Burch Drive	10918	10923	24226	5	30,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/5/2017 7:30 AM	5/5/2017 9:30 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 7:30 AM	5/6/2017 12:30 AM	6601 E Oak Street	5840	5841	22948	17	51,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	5/5/2017 7:00 AM	5/5/2017 10:30 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	15,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/29/2017 9:45 AM	4/29/2017 12:45 PM	2701 Saint George Road	7451	7450	8659	3	18,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/29/2017 9:45 AM	4/29/2017 12:45 PM	2808 Longacre Drive	7331	281808	28347	3	9,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/29/2017 9:00 AM	4/30/2017 10:00 PM	6601 E Oak Street	5840	5841	22948	37	54,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 2:00 AM	4/29/2017 6:00 PM	1187 Burch Drive	10918	10923	24226	16	96,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 11:00 AM	8440 Wolf Creek Drive	280844	14951	26416	9.5	29,250	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 1:00 PM	600 Drexel Drive	126200	280660	12994	11.5	51,750	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 1:00 AM	4/29/2017 5:00 AM	4211 Western Avenue	11572	11576	15638	4	24,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	4/29/2017 12:45 AM	4/29/2017 9:30 AM	900 S Tekoppel Avenue	11298	8420	23658	8.75	57,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 12:30 AM	4/29/2017 1:30 PM	711 W Mill Road	280751	3786	27329	13	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/29/2017 12:30 AM	4/29/2017 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	11.5	21,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/16/2017 6:45 PM	4/16/2017 8:45 PM	1641 S Taft Avenue	283021	3364	29606	2	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/16/2017 5:00 PM	4/16/2017 9:00 PM	2401 Cass Avenue	282990	282989	29577	4	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/16/2017 4:45 PM	4/16/2017 7:45 PM	2020 S Green River Road	10097	10103	25087	3	9,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	4/16/2017 4:15 PM	4/16/2017 5:15 PM	600 S Barker Avenue	8406	283165	23743	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/27/2017 9:15 AM	3/27/2017 10:15 AM	1111 Schutte Road	15029	129929	15569	1	200	Ground/Pigeon Creek	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
W	SSS	3/21/2017 8:30 AM	3/21/2017 11:30 AM	1120 N Barker Avenue	283468	8226	6493	3	3,600	Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	3/7/2017 2:00 PM	3/7/2017 9:00 PM	2755 Wayside Drive	7291	7290	22745	7	21,000	Ground/Pigeon Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/7/2017 9:00 AM	3/7/2017 1:00 PM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/22/2017 9:45 AM	2/22/2017 12:00 PM	3919 W Maryland Street	128006	128007	23787	2.25	200	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
E	SSS	2/1/2017 11:45 AM	2/1/2017 3:30 PM	611 Sweetser Avenue	NA	NA	NA	27.75	830	Ground / Storm Sewer	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes
W	SSS	1/14/2017 11:45 AM	1/14/2017 2:00 PM	1000 Beale Street	11576	281888	13709	2.25	27,000	Ground/Carpenter Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	11/28/2016 8:45 AM	11/28/2016 10:15 AM	5321 Chadwick Road	9528	9523	11684	1.5	65	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	11/8/2016 12:15 AM	11/8/2016 4:30 AM	1618 Lynch Road	280687	280688	26175	4.25	51,000	Ground/Little Pigeon Creek Tributary	Equipment Failure	Broken water main damaged sewer	Replaced section of main sewer	Yes	No
W	SSS	9/12/2016 8:00 AM	9/12/2016 9:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1.5	900	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
E	CSS	8/10/2016 11:15 AM	8/10/2016 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	3,375	Ground/Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
	SSS	8/3/2016 4:30 PM	8/3/2016 6:30 PM	Pollack Avenue & Lynn Road	280521	14109	25200	2	600	Ground/Eagle Creek	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes
E	CSS	7/27/2016 6:30 PM	7/27/2016 7:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.5	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized		Yes	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1019 Saint George Road	9786	9785	13111	5.5	16,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1187 Burch Drive	10918	10923	24226	5.5	33,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	7/4/2016 9:15 AM	7/4/2016 3:00 PM	6601 E Oak Street	5840	5841	22948	6	17,250	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	7/4/2016 9:00 AM	7/4/2016 12:15 PM	2020 S Green River Road	10097	10103	25087	3.25	9,750	Ground/Eagle Creek	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	7/4/2016 9:00 AM	7/4/2016 10:30 AM	711 W Mill Road	280751	3786	27329	1.5	4,500	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	7/3/2016 8:00 PM	7/4/2016 11:30 AM	1713 Richardt Avenue	280925	5287	19894	15.5	18,000	Ground/Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	7/3/2016 8:00 PM	7/4/2016 11:30 AM	1475 E Diamond Avenue	12210	12209	14882	15.5	12,000	Ground/Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	7/3/2016 7:30 PM	7/4/2016 11:00 AM	4108 Western Avenue	11445	11571	15704	15.5	27,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	CSS	7/3/2016 7:30 PM	7/3/2016 8:00 PM	600 S Barker Avenue	8406		23743	0.5	6,000	Ground/Howell Wetland	Maximized	Collection System hydraulically Maximized		Yes	No
W	SSS	6/26/2016 11:00 PM	6/27/2016 2:00 AM	1187 Burch Drive	10918	10923	24226	3	18,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	6/26/2016 10:30 PM	6/26/2016 11:45 PM	1475 E Diamond Avenue	12210	12209	14882	1.25	3,750	Ground/Storm Sewer	Maximized	Collection System hydraulically Maximized		Yes	No
E	SSS	6/9/2016 12:30 PM	6/9/2016 1:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1	1,500	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes
W	SSS	5/12/2016 3:00 AM	5/12/2016 4:10 AM	600 Drexel Drive	126200	280660	12994	1.16	7,000	Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	1187 Burch Drive	10918	10923	24226	3.5	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	10,500	Ground/Storm Sewer	Maximized	Collection System hydraulically Maximized		Yes	No
W	SSS	5/12/2016 2:00 AM	5/12/2016 6:00 AM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	CSS	5/12/2016 1:30 AM	5/12/2016 2:50 AM	900 S Tekoppel Avenue	11298	8420	23658	1.33	32,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized		Yes	No
E	SSS	5/9/2016 6:10 PM	5/9/2016 7:55 PM	1251 Pollack Avenue	50147	50148	12611	1.75	210	Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
W	SSS	5/8/2016 1:35 PM	5/8/2016 3:00 PM	6412 N First Avenue	10234	10705	10758	1.42	225	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	4/27/2016 8:45 PM	4/27/2016 10:30 PM	4211 Western Avenue	11572	11576	15638	1.75	2,100	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	4/27/2016 7:30 PM	4/27/2016 10:30 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	4/27/2016 7:30 PM	4/28/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	4/27/2016 7:00 PM	4/27/2016 9:30 PM	2020 S Green River Road	10097	10103	25087	2.5	3,750	Ground/Eagle Creek	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	4/9/2016 12:20 PM	4/9/2016 2:00 PM	212 S Bosse Avenue	11264	11263	13399	1.67	2,000	Ground/Carpenter Creek Tributary	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	3/31/2016 12:30 PM	3/31/2016 1:30 PM	3121 E Riverside Drive	2595	2596	24027	1	12,000	Ground / Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
W	SSS	3/21/2016 3:15 PM	3/21/2016 4:15 PM	2709 N Second Avenue	282907	9073	29495	1	180	Storm Sewer	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
W	SSS	3/11/2016 12:30 PM	3/11/2016 1:45 PM	3900 Claremont Avenue	11194	11247	13446	1.25	375	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	3/10/2016 5:00 PM	3/10/2016 9:00 PM	7616 Bellemeade Avenue	7138	7105	23303	4	4,800	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	3/10/2016 4:30 PM	3/11/2016 7:00 PM	2808 Longacre Drive	7331	281808	28347	27	31,800	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	3/10/2016 3:15 PM	3/10/2016 6:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.75	8,250	Ground/Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	3/10/2016 1:30 PM	3/10/2016 8:00 PM	6601 E Oak Street	5840	5841	22948	7	83,250	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	3/10/2016 1:00 PM	3/10/2016 7:00 PM	4211 Western Avenue	11572	11576	15638	6	7,200	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	2/10/2016 2:00 PM	2/10/2016 3:00 PM	4400 Vogel Road	81287	281326	8027	1	100	Ground / Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	2/2/2016 7:45 PM	2/2/2016 11:00 AM	2401 Cass Avenue	282990	282989	29577	3	9,750	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	2/2/2016 7:45 PM	2/3/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	34,500	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:30 PM	2020 S Green River Road	10097	10103	25087	4	12,000	Ground/Eagle Creek	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:00 PM	2333 Bergdolt Road	7381	7380	14890	3.5	10,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:00 PM	5317 Hitch Peters Road	7480	7479	23717	3.5	15,750	Ground	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	2/2/2016 7:30 PM	2/2/2016 10:30 PM	711 W Mill Road	280751	3786	27329	3	13,500	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	2/2/2016 7:15 PM	2/2/2016 10:30 PM	4108 Western Avenue	11445	11571	15704	3.25	9,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	2/2/2016 7:15 PM	2/2/2016 7:30 PM	2001 N Weinbach Avenue	5296	5302	22930	0.25	3,000	Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	2/2/2016 7:00 PM	2/2/2016 10:00 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	CSS	2/2/2016 6:45 PM	2/2/2016 8:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	36,000	Ground/Howell Wetland	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	12/28/2015 4:00 PM	12/29/2015 2:00 AM	6605 Lincoln Avenue	5835	281858	7370	10	30,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
E	CSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.5	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	3,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6617 E Oak Street	7253	5839	14394	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/27/2015 9:00 AM	12/27/2015 12:00 PM	4211 Western Avenue	11572	11576	15638	3	3,600	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/26/2015 7:45 AM	12/26/2015 9:00 AM	300 S Royal Avenue	6013	6016	23532	1.25	150	Ground / Storm Sewer	Roots	Root infiltration	Replaced section of main sewer	Yes	No
W	SSS	12/23/2015 4:45 PM	12/23/2015 6:00 PM	711 W Mill Road	280751	3786	27329	2	3,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4108 Western Avenue	11445	11571	15704	3.92	7,050	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4211 Western Avenue	11572	11576	15638	3.92	4,700	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:00 PM	12/23/2015 3:00 PM	2524 N Baker Avenue	15679	15678	22436	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 9:00 AM	11/17/2015 11:00 AM	711 W Mill Road	280751	3786	27329	2	6,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:35 AM	11/17/2015 10:30 AM	4108 Western Avenue	11445	11571	15704	1.92	5,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:30 AM	11/17/2015 10:30 AM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:00 AM	11/17/2015 9:00 AM	2524 N Baker Avenue	15679	15678	22436	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 7:45 AM	11/17/2015 9:00 AM	2550 N Baker Avenue	15680	15679	22437	1.25	18,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/6/2015 12:15 AM	11/6/2015 2:30 AM	2550 N Baker Avenue	15680	15679	22437	2.25	33,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/6/2015 2:55 AM	8/6/2015 5:00 AM	600 Drexel Drive	126200	280660	12994	2.08	6,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/10/2015 8:30 AM	7/10/2015 8:00 PM	6617 E Oak Street	7253	5839	14394	11.5	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/10/2015 8:30 AM	7/10/2015 7:00 PM	6601 E Oak Street	5840	5841	22948	10.5	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/10/2015 8:30 AM	7/10/2015 8:50 AM	726 Hanover Road	9253	9229	15455	0.33	1,000	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	7/10/2015 8:25 AM	7/10/2015 8:30 AM	7301 Lincoln Avenue	7209	7210	15116	0.08	250	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Pumps adjusted to meet discharge capacity	Yes	No
E	SSS	7/8/2015 9:30 AM	7/8/2015 11:00 AM	106 Harrison Boulevard	6296	6293	21909	1.5	100	Ground/Harper Ditch	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6617 E Oak Street	7253	5839	14394	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6601 E Oak Street	5840	5841	22948	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	4211 Western Avenue	11572	11576	15638	1	3,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	3,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/3/2015 7:00 PM	7/4/2015 12:00 PM	3204 Martin Avenue	8920	8921	20692	17	1,020	Ground/Storm Sewer	Roots	Root infiltration	Replaced section of main sewer	Yes	No
W	SSS	6/20/2015 8:30 AM	6/20/2015 9:30 AM	11802 N Green River Road	15232	15233	9448	1	3,000	Ground/Schlenker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/20/2015 12:30 AM	6/20/2015 8:00 AM	1187 Burch Drive	10918	10923	24226	7.5	45,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6617 E Oak Street	7253	5839	14394	16.0	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6601 E Oak Street	5840	5841	22948	16.0	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 5:00 AM	1757 Jeanette Avenue	69704	10032	23290	5	30,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 6:30 AM	2020 S Green River Road	10097	10103	25087	6.5	19,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/19/2015 11:45 PM	6/20/2015 5:00 AM	600 Drexel Drive	126200	280660	12994	5.25	15,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/19/2015 11:30 PM	6/20/2015 5:30 AM	711 W Mill Road	280751	3786	27329	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	6/19/2015 11:00 PM	6/20/2015 5:00 AM	1713 Richardt Avenue	280925	5287	19894	6	3,600	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/19/2015 10:30 PM	6/20/2015 5:30 AM	4211 Western Avenue	11572	11576	15638	7	21,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	6/19/2015 10:30 PM	6/20/2015 5:00 AM	1475 E Diamond Avenue	12210	12209	14882	6.5	19,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/28/2015 10:45 AM	5/28/2015 3:30 PM	6815 Broadway Avenue	NA	NA	12780	4.75	42,750	Ground/Bayou Creek Tributary	Construction Related	Soil boring contractor damaged 12" force main sewer	Private contractor replaced section of damaged force main	Yes	No
W	SSS	5/19/2015 2:30 PM	5/19/2015 3:30 PM	5637 Forest Avenue	14354	14350	13982	1	600	Garage Floor Drain / Private Lake	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	4/21/2015 8:00 AM	4/21/2015 5:30 PM	8501 N Green River Road	12746	15465	8506	9.5	300	Basement Floor / Firlick Creek Tributary	Construction Related	Road Paving contractor damaged main sewer	Private contractor replaced section of damaged main sewer	Yes	No
W	SSS	4/19/2015 10:30 AM	4/19/2015 8:30 PM	711 W Mill Road	280751	3786	27329	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/10/2015 11:30 AM	4/10/2015 3:00 PM	8200 Heather Place	127197	127187	12287	3.5	420	Ground/Little Pigeon Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	4/10/2015 12:45 AM	4/10/2015 2:00 AM	711 W Mill Road	280751	3786	27329	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/6/2015 8:15 PM	4/6/2015 8:45 PM	6401 Broadway Avenue	132907	282777	29367	0.5	8,000	Basement Floor / Bayou Creek Tributary	Equipment Failure	Increased flow conditions overloaded bypass pump	Bypass pump speed increased	Yes	No
E	SSS	4/3/2015 2:00 PM	4/3/2015 3:15 PM	6223 Twickingham Drive	11087	NA	8104	1.25	150	Ground/Little Pigeon Creek Tributary	Equipment Failure	Tangled pump float cords at Twickingham lift station	Crew untangled pump float cords	Yes	No
E	SSS	4/3/2015 4:30 AM	4/4/2015 1:45 AM	6617 E Oak Street	7253	5839	14394	21.3	109,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2015 4:30 AM	4/4/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	21.5	111,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/3/2015 3:30 AM	4/3/2015 3:00 PM	4211 Western Avenue	11572	11576	15638	11.5	31,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/3/2015 3:15 AM	4/3/2015 4:00 PM	711 W Mill Road	280751	3786	27329	12.75	83,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/3/2015 3:00 AM	4/3/2015 3:30 PM	1475 E Diamond Avenue	12210	12209	14882	12.5	28,500	Ground/Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/1/2015 3:10 PM	4/1/2015 3:50 PM	829 Harmon Court	9823	9658	21671	0.67	60	Ground/Private Lake	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	3/26/2015 7:00 AM	3/26/2015 8:45 AM	4900 Stratford Road	9203	9200	11724	1.75	1,050	Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
E	SSS	3/14/2015 4:15 AM	3/14/2015 9:30 AM	7301 Lincoln Avenue	7209	7210	15116	5.25	15,750	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	3/13/2015 1:30 PM	3/15/2015 1:00 AM	6617 E Oak Street	7253	5839	14394	35.5	213,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/13/2015 1:15 PM	3/15/2015 1:00 AM	6601 E Oak Street	5840	5841	22948	35.8	214,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/13/2015 11:00 AM	3/14/2015 6:00 AM	1187 Burch Drive	10918	10923	24226	19	85,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/13/2015 11:00 AM	3/13/2015 7:30 PM	1475 E Diamond Avenue	12210	12209	14882	8.5	25,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/13/2015 10:30 AM	3/14/2015 8:30 AM	711 W Mill Road	280751	3786	27329	22	132,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/13/2015 10:00 AM	3/14/2015 7:00 AM	4211 Western Avenue	11572	11576	15638	21	63,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/10/2015 1:00 PM	3/10/2015 5:30 PM	1187 Burch Drive	10918	10923	24226	4.5	27,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	11.00	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	11.0	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/10/2015 12:00 PM	3/10/2015 5:15 PM	711 W Mill Road	280751	3786	27329	5.25	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/10/2015 12:00 PM	3/10/2015 2:00 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/10/2015 11:30 AM	3/10/2015 3:30 PM	1475 E Diamond Avenue	12210	12209	14882	4	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/4/2015 1:00 AM	3/4/2015 4:45 PM	544 Wilson Square	7235	7234	22509	3.75	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/4/2015 12:15 AM	3/4/2015 11:00 PM	6616 Lincoln Avenue	5839	5840	14395	23	68,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/4/2015 12:00 AM	3/4/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	23.0	41,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/3/2015 11:45 PM	3/4/2015 11:30 AM	4211 Western Avenue	11572	11576	15638	11.75	35,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/3/2015 11:45 PM	3/4/2015 1:30 PM	711 W Mill Road	280751	3786	27329	13.75	82,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/3/2015 10:40 PM	3/4/2015 12:25 AM	600 Drexel Drive	126200	280660	12994	1.75	5,250	Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/3/2015 6:20 PM	3/3/2015 7:40 PM	5705 N First Avenue	9267	9260	16542	1.33	4,000	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	2/1/2015 3:25 PM	2/1/2015 4:55 PM	3220 Mount Vernon Avenue	8909	8908	21615	1.5	3,600	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	1/31/2015 11:30 AM	1/31/2015 1:15 PM	3204 Martin Avenue	8921	8907	19701	1.75	2,625	Ground/Storm Sewer	Roots	Root infiltration	Replaced section of main sewer	Yes	No
W	SSS	1/21/2015 4:55 PM	1/21/2015 6:00 PM	813 Stonebridge Road	10659	10660	22417	1.08	65	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	1/3/2015 10:15 AM	1/3/2015 12:30 PM	4211 Western Avenue	11572	11576	15638	2.25	6,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	1/3/2015 10:00 AM	1/3/2015 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	2	6,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/3/2015 10:00 AM	1/3/2015 2:15 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/5/2014 5:30 PM	12/5/2014 6:45 PM	4211 Western Avenue	11572	11576	15638	1.25	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	12/5/2014 5:30 PM	12/5/2014 6:15 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/5/2014 5:15 PM	12/5/2014 7:00 PM	711 W Mill Road	280751	3786	27329	1.75	10,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/25/2014 2:45 PM	11/25/2014 3:30 PM	1806 Grove Street	7638	4849	29097	0.75	45,000	Ground/Pigeon Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No
W	SSS	11/12/2014 4:15 PM	11/12/2014 5:15 PM	212 Lexington Road	4054	3761	11548	1	600	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	11/10/2014 7:45 AM	11/10/2014 9:00 AM	3315 Margybeth Avenue	10197	10198	23932	1.25	1,500	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
E	CSS	11/1/2014 11:00 AM	11/1/2014 1:00 PM	2401 Cass Avenue	282990	282989	29577	2	24,000	Ground/Storm Sewer	Construction Related	Contractor damaged 8" water main that inundated the CSS	Contractor shut down and repaired broken water main	Yes	No
W	SSS	10/13/2014 6:15 PM	10/13/2014 7:15 PM	4211 Western Avenue	11572	11576	15638	1	1,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	9/2/2014 9:15 AM	9/2/2014 10:15 AM	2608 Jeanette Avenue	80462	2634	22022	1	1,500	Ground/Storm Sewer	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
W	CSS	8/28/2014 7:00 PM	8/28/2014 7:25 PM	799 E Diamond Avenue	7603	12070	19983	0.42	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	8/28/2014 7:00 PM	8/28/2014 8:30 PM	1475 E Diamond Avenue	12210	12209	14882	1.5	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/21/2014 2:10 PM	8/21/2014 3:15 PM	7709 Oak Hill Road	84322	84323	8419	1.08	6,500	Ground/Firlick Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	8/17/2014 9:00 AM	8/17/2014 11:10 AM	711 W Mill Road	280751	3786	27329	2.16	13,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	8/17/2014 8:40 AM	8/17/2014 11:15 AM	1475 E Diamond Avenue	12210	12209	14882	2.58	7,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/17/2014 8:30 AM	8/17/2014 10:00 AM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/17/2014 8:30 AM	8/17/2014 11:00 AM	700 Fairway Drive	9032	9029	22433	2.5	7,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/13/2014 3:15 PM	8/13/2014 7:30 PM	615 Crestmont Drive	126189	126186	13008	4.25	510	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/1/2014 6:50 PM	7/1/2014 8:25 PM	600 Drexel Drive	126200	280660	12994	1.58	1,900	Ground/Wolf Creek Tributary	Roots	Root Infiltration	Replaced section of main sewer	Yes	No
W	SSS	7/1/2014 6:30 PM	7/1/2014 10:45 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/1/2014 6:30 PM	7/1/2014 8:20 PM	1475 E Diamond Avenue	12210	12209	14882	1.83	5,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/1/2014 6:15 PM	7/1/2014 10:30 PM	4211 Western Avenue	11572	11576	15638	4.25	19,125	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/26/2014 5:30 PM	6/26/2014 7:00 PM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	CSS	6/26/2014 5:10 PM	6/26/2014 6:40 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	6/4/2014 6:15 PM	6/4/2014 7:45 PM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	6/4/2014 6:15 PM	6/4/2014 7:20 PM	1475 E Diamond Avenue	12210	12209	14882	1.08	2,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	6/4/2014 6:15 PM	6/4/2014 8:20 PM	2020 S Green River Road	10097	10103	25087	2.08	6,250	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	6/4/2014 6:10 PM	6/4/2014 7:25 PM	711 W Mill Road	280751	3786	27329	1.25	7,500	Ground / Storm Sewer	Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	5/24/2014 7:45 AM	5/24/2014 11:45 AM	1528 Brixton Road	14517	NA	11898	4	100	Ground/Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
E	SSS	5/21/2014 3:50 PM	5/21/2014 5:30 PM	3528 Taylor Avenue	3471	3472	15003	1.67	300	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	5/14/2014 5:30 PM	5/14/2014 8:30 PM	4211 Western Avenue	11572	11576	15638	3	13,500	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	5/14/2014 5:15 PM	5/14/2014 8:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.75	8,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	5/14/2014 5:00 PM	5/14/2014 7:30 PM	700 Fairway Drive	9032	9029	22433	2.5	7,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	5/14/2014 5:00 PM	5/14/2014 8:30 PM	601 W Mill Road	3785	3786	27336	3.5	5,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	5/14/2014 5:00 PM	5/14/2014 9:15 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	5/9/2014 5:35 PM	5/9/2014 7:00 PM	711 W Mill Road	280751	3786	27329	1.42	1,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/28/2014 7:00 AM	4/28/2014 11:00 AM	6601 E Oak Street	5840	5841	22948	4.0	2,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/28/2014 7:00 AM	4/28/2014 1:00 PM	501 Plaza Drive	7236	7233	22506	6	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/28/2014 6:00 PM	4/28/2014 8:30 PM	4211 Western Avenue	11572	11576	15638	2.5	11,250	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/28/2014 6:00 PM	4/28/2014 10:00 PM	700 Fairway Drive	9032	9029	22433	4	12,000	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/28/2014 6:00 PM	4/28/2014 10:00 PM	711 W Mill Road	280751	3786	27329	4	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/28/2014 6:00 PM	4/28/2014 8:30 PM	1187 Burch Drive	10918	10923	24226	2.5	15,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/27/2014 2:30 PM	4/27/2014 3:20 PM	600 Normandy Drive	6161	6158	6768	0.83	500	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Grease removed by private contractor	No	Yes
W	SSS	4/7/2014 12:45 PM	4/7/2014 4:50 PM	711 W Mill Road	280751	3786	27329	4.08	12,240	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 3:00 AM	2301 Saint George Road	7487	7486	15695	4	48,000	Ground/Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	4/3/2014 11:00 PM	4/4/2014 4:00 AM	1150 S Villa Drive	3689	3282	20021	4	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 2:00 PM	2020 S Green River Road	10097	10103	25087	15	78,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 5:00 AM	1733 Burdette Avenue	10050	10051	5581	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 5:00 AM	1757 Jeanette Avenue	69704	10032	23290	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	4/3/2014 11:00 PM	4/4/2014 3:00 AM	2001 N Weinbach Avenue	5296	5302	22930	4	48,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/3/2014 11:00 PM	4/4/2014 4:00 AM	2929 Woodside Court	12613	12615	8119	5	7500	Ground/Licking Creek	Power Failure	Lost external power causing power loss to Wazny Way Lift Station.	Power restored to station	Yes	No
W	SSS	4/3/2014 5:30 PM	4/4/2014 9:00 AM	600 Drexel Drive	126174	126173	12992	15.5	9,300	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/3/2014 4:30 PM	4/4/2014 12:00 PM	1187 Burch Drive	10918	10923	24226	19.5	175,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/3/2014 1:30 PM	4/4/2014 11:00 AM	734 Titan Drive	CO	13649	10640	21.5	32,250	Ground/Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/3/2014 11:30 AM	4/5/2014 2:00 PM	6601 E Oak Street	5840	5841	22948	50.5	90,900	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	4/3/2014 11:30 AM	4/5/2014 3:30 PM	501 Plaza Drive	7236	7233	22506	52.00	156,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/3/2014 11:00 AM	4/4/2014 11:00 AM	4211 Western Avenue	11572	11576	15638	24	108,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/3/2014 10:30 AM	4/4/2014 6:00 PM	700 Fairway Drive	9032	9029	22433	31.5	94,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/3/2014 10:30 AM	4/4/2014 12:00 PM	601 W Mill Road	3785	3786	27336	25.5	38,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2018 through December 31, 2018 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	4/3/2014 10:30 AM	4/4/2014 12:00 PM	711 W Mill Road	280751	3786	27329	25.5	153,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	4/3/2014 10:30 AM	4/4/2014 8:30 AM	1475 E Diamond Avenue	12210	12209	14882	22	66,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	3/25/2014 7:50 PM	3/25/2014 9:00 PM	225 S Cullen Avenue	6077	281263	6888	1.17	50	Street/Storm Sewer	Maximized Debris	Collection System hydraulically Maximized	Sewer cleaned to remove debris	Yes	No
W	SSS	3/24/2014 3:45 PM	3/24/2014 4:50 PM	3301 N First Avenue	9151	9032	11435	1.08	650	Creek	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	1/11/2014 5:45 PM	1/11/2014 7:55 PM	3430 Taylor Avenue	3471	3472	15003	2.17	6,500	Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove roots	Yes	No
W	SSS	12/2/2014 9:30 AM	12/2/2014 10:35 PM	7 N Caranza Drive	13639	13640	12711	1.08	1,625	Ground/Pigeon Creek	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	12/23/2013 3:45 PM	12/23/2013 4:05 PM	600 Drexel Drive	126200	280660	12994	0.33	250	Tributary Ground/Wolf Creek	Roots	Root infiltration in pumps	Removed roots from pumps	Yes	No
E	SSS	12/21/2013 7:20 PM	12/22/2013 5:30 AM	7301 Lincoln Avenue	7209	7210	15116	10.17	30,480	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	12/21/2013 7:00 PM	12/22/2013 6:00 AM	2171 Shelby Avenue	2999	3000	14834	11	6,600	Ground/Eagle Creek	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No
E	SSS	12/21/2013 7:00 PM	12/21/2013 8:00 PM	2001 N Weinbach Avenue	5296	5302	22930	1	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	12/21/2013 9:55 AM	12/22/2013 1:00 AM	2020 S Green River Road	10097	10103	25087	15.08	90,480	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	12/21/2013 9:30 AM	12/22/2013 6:30 AM	4211 Western Avenue	11572	11576	15638	21	94,500	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 5:30 PM	700 Fairway Drive	9032	9029	22433	33.25	99,750	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:00 AM	601 W Mill Road	3785	3786	27336	18.75	112,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:00 AM	711 W Mill Road	3785	3786	23760	18.75	112,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	12/21/2013 8:15 AM	12/22/2013 3:00 AM	1187 Burch Drive	10918	10923	24226	18.75	168,750	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	12/21/2013 8:00 AM	12/22/2013 6:30 PM	6601 E Oak Street	5840	5841	22948	34.50	62,100	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	12/21/2013 7:00 AM	12/22/2013 7:30 PM	501 Plaza Drive	7236	7233	22506	36.50	109,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	12/21/2013 5:45 AM	12/22/2013 2:00 AM	1475 E Diamond Avenue	12210	12209	14882	20.25	60,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	12/17/2013 3:55 PM	12/17/2013 5:10 PM	206 S Royal Avenue	6016	6200	23533	1.25	30	Ground/Storm Sewer	Roots	Root infiltration	CCTV Utility main	Yes	No
W	SSS	12/14/2013 4:30 AM	12/14/2013 7:15 AM	2424 Schutte Road	15002	15001	15575	2.75	16,500	Ground/Bayou Creek Tributary	Equipment Failure	Pump float failure at Schutte Road lift station	Repaired pump float controller	Yes	No
W	SSS	12/4/2013 9:30 AM	12/4/2013 5:30 PM	4008 N First Avenue	3731	3732	13668	8	480	Ground/Dry Branch Creek	Grease	Commercial grease waste	Sewer cleaned to remove grease	No	Yes
W	SSS	11/21/2013 3:40 PM	11/21/2013 4:50 PM	6015 Kratzville Road	10231	9373	22179	1.17	1,400	Ground/Private Lake	Equipment Failure	Offset section of sewer	Replaced section of main sewer	Yes	No
W	SSS	11/19/2013 12:30 PM	11/19/2013 5:30 PM	4008 N First Avenue	3731	3732	13668	1.5	400	Creek	Grease	Commercial grease waste	Sewer cleaned to remove grease	No	Yes
W	SSS	11/18/2013 6:00 PM	11/18/2013 7:30 PM	4909 Sunnyside Court	NA	NA	NA	1.5	400	Ground/Carpenter Creek Tributary	Debris	Debris in private sewer	Sewer cleaned to remove debris	No	Yes
W	SSS	11/17/2013 5:50 PM	11/17/2013 9:55 PM	614 Biddle Court	126184	126183	12996	4.08	735	Tributary	Roots	Root infiltration	CCTV Utility main	Yes	No
E	SSS	11/12/2013 1:55 PM	11/12/2013 2:50 PM	950 S Hebron Avenue	6977	6976	23265	0.92	275	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	10/6/2013 3:40 AM	10/6/2013 4:45 PM	2550 N Baker Avenue	15680	15679	22437	1.08	13,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	10/6/2013 3:40 AM	10/6/2013 4:45 PM	2524 N Baker Avenue	15679	15678	22436	1.08	6,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	10/6/2013 12:30 AM	10/6/2013 5:30 AM	711 W Mill Road	3785	3786	23760	5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	10/6/2013 12:30 AM	10/6/2013 5:30 AM	1475 E Diamond Avenue	12210	12209	14882	5	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	10/2/2013 7:15 PM	10/2/2013 9:15 PM	1475 E Diamond Avenue	12210	12209	14882	2	3,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	10/2/2013 4:10 PM	10/2/2013 7:10 PM	2550 N Baker Avenue	15680	15679	22437	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	10/2/2013 4:10 PM	10/2/2013 7:10 PM	2524 N Baker Avenue	15679	15678	22436	1	3,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	9/13/2013 1:30 PM	9/13/2013 5:30 PM	5032 Stratford Road	9204	9202	11691	4	15,000	Storm Sewer	Roots	Root infiltration	CCTV Utility main	Yes	No
W	SSS	9/1/2013 2:00 AM	9/1/2013 4:45 AM	600 Drexel Drive	126200	280660	12994	2.75	330	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	8/31/2013 4:40 PM	8/31/2013 7:00 PM	1418 Holly Hill Drive	127137	127161	12173	2.33	2,500	Tributary	Roots	Root infiltration	Replaced sections of main sewer	Yes	No
E	CSS	8/8/2013 2:00 PM	8/8/2013 2:15 PM	1475 E Diamond Avenue	12210	12209	14882	0.25	300	Ground/Storm Sewer	Equipment Failure	Debris from broken water main in manhole	Manhole cleaned to remove debris	Yes	No
W	SSS	7/24/2013 11:30 AM	7/24/2013 5:00 PM	5417 Stringtown Road	9778	282124	13150	5.5	330	Ground/Little Pigeon Creek Tributary	Roots	Root infiltration	Replaced section of main sewer	Yes	No
W	SSS	7/21/2013 8:25 PM	7/22/2013 4:30 AM	2550 N Baker Avenue	15680	15679	22437	8.08	22,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No
W	SSS	7/21/2013 8:25 PM	7/22/2013 4:30 AM	2524 N Baker Avenue	15679	15678	22436	8.08	5,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	7/9/2013 10:40 AM	7/9/2013 11:10 AM	2601 N Saint Joseph Avenue	99782	99781	12514	0.67	750	Ground/Locust Creek Tributary	Equipment Failure	Tangled pump float cords at Mesker Park lift station	Crew untangled pump float cords	Yes	No
E	SSS	7/3/2013 3:10 PM	7/3/2013 4:15 PM	5304 Great Lakes Drive	13936	13934	8332	1.08	130	Ground / Storm Sewer	Equipment Failure	Pump controller failure at Lakeside Manor lift station	Replaced pump controller	Yes	No

TABLE 3-4
CCTV Inspections at SSO or CSS Release Locations
July 1, 2018 through December 31, 2018 Reporting Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
E	SSS	12/19/2018 7:30 PM	12/19/2018 11:30 PM	7100 E Virginia Street	279510	279504	24724	4	25	Ground / Storm Sewer	Equipment Failure	Utility crossbore in sewer	Repaired section of damaged sewer	Yes	No
W	SSS	9/28/2018 9:45 AM	9/28/2018 1:45 PM	2803 Vermont Ct	9080	9079	24049	4	240	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	8/21/2018 5:25 PM	8/21/2018 6:05 PM	3315 Margybeth Avenue	10197	10198	23932	0.67	800	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No

TABLE 7-1

Updated Food Establishment Listing

July 1, 2018 through December 31, 2018 Reporting Period

Establishment	Address	Zip Code
11th Frame Lounge	1801 W Franklin St	47712
2121 North Commons	2121 N Green River Rd	47715
711 Tavern	711 E Virginia St	47711
A. Schulman	15000 Highway 41	47725
Acropolis	501 N Green River Rd	47715
Aihua International Market	1624 N Green River Rd	47715
AIS 1st Ave	3013 First Ave	47710
AIS Diamond	2319 Stringtown Rd	47711
Always Open	3025 N St Joseph Ave	47720
AMC Theatres Evansville 16	5600 Pearl Dr	47712
American Legion #265	1301 N Fares Ave.	47711
American Legion Post #354	1127 Chestnut St	47713
AMF Arc Lanes	4901 Monroe Ave	47715
Amvets Post #84	2912 Broadway Ave	47712
Angelo's Italian Restaurant	305 Main St	47708
Applebee's	5100 Morgan Ave	47715
Applebee's	5727 Pearl Dr	47712
Arby's #5132	1340 N Green River Rd	47715
Arby's #5754	4650 University Dr	47712
Arby's #6004	19620 Highway 41	47725
Arby's #7255	3600 First Ave	47710
Arby's #7815	6100 E Lloyd Expressway	47715
Army National Guard Armory	3300 Division St	47715
Atria Senior Living	5311 Rosebud Ln	47630
Auntie Anne's	800 N Green River Rd	47715
Azteca LLC	1212 Washington Sq	47715
Azzip Pizza	5225 Pearl Dr Suite E	47712
Backstage Bar & Grill	524 Main St	47708
Bandana's Bar-B-Q	6636 Logan Dr	47715
Bar Louie	7700 Eagle Crest Blvd	47715
Barnes & Noble Bookstore	624 S Green River Rd	47715
Baskin Robbins	848 S Green River Rd	47715
Bauers Grove Bauerhaus	13605 Darmstadt Rd	47725
Baymont Inn & Suites	8005 Division St	47715
Be Happy Pie Company	2818 B Mount Vernon Ave	47712
Ben's Soft Pretzels	2622 Menards Dr	47715
Bethel Manor	6015 Kratzville Rd	47710
Big Bang Mongolian Grill	2013 N Green River Rd	47715
Big M's Pizzeria	1313 First Ave	47710
Big Top	1213 W Maryland St	47710
Bits & Bytes	216 NW Fourth St	47708
Bob Evans #132	1125 N Green River Rd	47715

TABLE 7-1

Updated Food Establishment Listing

July 1, 2018 through December 31, 2018 Reporting Period

Bob's Gym	200 N Rosenberger Ave	47712
Bob's Gym & Fitness Center	8700 N Kentucky Ave	47725
Bob's Lounge	907 N Fares Ave	47711
Bob's Gym East	345 Bentee Wes Ct	47715
Bob's Gym- Perfectly Fresh Foods	120 N Rosenberger Ave	47712
Bokeh Lounge	1007 Parrett St	47713
Bombay Spice Bar and Grill	1003 E Diamond Ave	47711
Bonkers	11901 Petersburg Rd	47725
Boss Hawgs Old Fashion Smoke House	2020 Stringtown Rd	47711
Bosse Field/ Evansville Otters	1701 N Main St	47711
Bosse High School	1300 Washington Ave	47714
Bourbon Street Grill	800 N Green River Rd	47715
Braun's Nursing Home	909 First Ave	47710
Break Time Bar & Grill	1323 S Barker Ave	47712
Brookdale Senior Living Center	6521 Greendale Dr	47711
Bru Burger Bar	222 Sycamore St	47708
Bucks Tavern of Evansville LLC	1015 N Fulton Ave	47710
Buehlers Buy Low #452	2220 E Morgan Ave	47711
Buehlers Buy Low #456	12500 N Highway 41	47725
Buehlers IGA #453	4635 First Ave	47710
Buffalo Wild Wings #45	715 N Green River Rd	47715
Buffalo Wild Wings #50	5405 Pearl Dr	47712
Burdette Pool	5301 Nurrenbern Rd	47712
Burger Bank	1617 S Weinbach Ave	47714
Burger King	1100 Hirschland Rd	47715
Burger King	2501 Menards Dr	47715
Burger King #1264	4400 First Ave	47710
Burger King #2243	1301 Covert Ave	47714
By the Slice	2011 Lincoln Ave	47714
Cafe Arazu	415 Main St	47708
Cambridge Golf Course	1034 Beacon Hill Dr	47725
Canton Inn	947 North Park Dr	47710
Captain D's #3731	1200 Covert Ave	47714
Carne Asada LLC	1354 E Division St	47711
Carousel	5115 Monroe Ave	47715
Carver Community Center	400 SE Eighth St	47713
Casey's General Store #2228	1900 Oak Hill Rd	47711
Casey's General Store #2296	3100 N St. Joseph Ave	47720
Casey's General Store #3073	2020 S Green River Rd	47715
Catfish Willy's: Seafood & Crab Shack	5720 E Virginia St	47715
Caze School	2013 S Green River Rd	47715
Cedar Hall Community School	2100 N Fulton Ave	47710
Center For Hope Church	808 SE 3rd St	47713
Central High School	5400 First Ave	47710

TABLE 7-1

Updated Food Establishment Listing

July 1, 2018 through December 31, 2018 Reporting Period

Central United Methodist	300 Mary St	47710
Charles Denby Post #2953	1800 Pollack Ave	47714
Charlie's Café	315 E Diamond Ave	47711
Charlies Mongolian BBQ	315 E Diamond Ave	47711
Chava's Mexican Grill	4202A First Ave	47710
Cheddar's	2100 N Green River Rd	47715
Chicken N' Salsa	122 N Weinbach Ave	47711
Chick-fil-A	7101 E Indiana St	47715
Chick-fil-A	800 N Green River Rd	47715
Chili's Grill & Bar #900	600 N Green River Rd	47715
China Experience & Yihi Japan	800 N Green River Rd	47715
China Express	1505 S Governor St	47713
China Garden	501 N Main St	47711
China King	590 E Diamond Ave	47711
China Lu Market	4604 Vogel Rd	47715
Chipotle Mexican Grill	499 N Green River Rd Ste A	47715
Chopstick House	5412 E Indiana St	47715
Christ The King	3101 Bayard Park Dr	47714
Chuck E Cheese's	559 N Green River Rd	47715
Chuckles Shell Food Mart #12	1601 S Green River Rd	47715
Chuckles Shell Food Mart #11	501 N Fares Ave	47711
CiCi's Pizza	101 N Green River Rd	47715
Circle S Mart # 41	11001 Highway 41	47725
Cisse's Bread Bakery	4711 Bayard Park Dr	47715
CK Newsome Ctr/Lincoln Senior Citizens	100 E Walnut St	47708
Clarion Inn	5538 E Indiana St	47715
Cleavers	5501 E Indiana St	47715
Clubhouse Cafe	2518 Leisure Lane	47720
Coconut Cafe @ Walther's Golf-N-Fun Center	2301 N First Ave	47710
Cold Stone Creamery #2123	5435 Pearl Dr	47712
Columbia Healthcare Center	621 W Columbia St	47710
Comfort by the Cross Eyed Cricket	228 Main St	47708
Comfort Inn & Suites	3901 N Highway 41	47711
Comfort Inn East	8331 Walnut St	47715
Conoco	1123 N First Ave	47710
Conoco	1921 E Franklin St	47711
Conoco	1641 S Kentucky Ave	47714
Cookies by Design	419 Metro Ave	47715
Cork 'N Cleaver	650 S Hebron Ave	47714
Corner Bar & Grill	2668 Mt Vernon Ave	47712
Corner Pocket	1819 N Fulton Ave	47710
Corpus Christi School	5528 Hogue Rd	47712
Country Inn and Suites	301 Circle Front Dr	47715
Courtyard by Marriott	8105 E Walnut St	47715

TABLE 7-1

Updated Food Establishment Listing

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Covert Una Pizza	2950 Covert Ave	47714
Cracker Barrel Old Country Store #216	8215 Eagle Lake Dr	47715
Crazy Buffet	619 N Burkhardt Rd	47715
Crazy Buffet II	5435 Pearl Dr Ste 3D	47712
Cross-Eyed Cricket	2101 W Pennsylvania St	47712
Crossroads IGA	6401 N Green River Rd	47725
Culver Family Learning Center	1301 Judson St	47713
Culver's	1734 Hirschland Rd	47715
Culver's	4850 W Lloyd Expressway	47712
Daily's Cakes	701 N Main St	47711
Dairy Mart	2345 Covert Ave	47714
Dairy Queen	2720 N Green River Rd	47715
Dairy Queen	5200 Division St	47715
Dairy Queen	1159 E Virginia St	47711
Dairy Queen	901 W Franklin St	47710
Dairy Queen	4140 First Ave	47710
Dairy Queen	4830 University Dr	47712
Daniel Wertz School	1701 S Redbank Rd	47712
Darmstadt Inn	13130 Darmstadt Rd	47725
Daves Sportsden	701 N Weinbach Ave #110	47711
Deaconess Child Care Center	235 W Iowa St	47710
Deaconess Cross Pointe	7200 E Indiana St	47715
Deaconess Health System	600 Mary St	47710
DeerHead Sidewalk Cafe	222 E Columbia St	47711
Delaware School	700 N Garvin St	47711
Denny's #397	3901 N Highway 41	47711
Denny's #244	351 N Green River Rd	47715
Denny's #290	5212 Weston Rd	47712
Denny's #316	19501 Elpers Rd	47725
Dexter School	951 Dexter Ave	47714
Diamond Lanes	2400 N Highway 41	47711
D-ICE	800 N Green River Rd	47715
Dilegge's Restaurant	607 N Main St	47711
Doc's	1305 N Stringtown Rd	47711
Domino's	1940 N Green River Rd	47715
Domino's Pizza #2570	600 N Weinbach Ave	47711
Domino's Pizza #2571	1304 S Green River Rd	47715
Domino's Pizza #2574	5714 First Ave	47710
Domino's Pizza #2577	421 N St Joseph Ave	47712
Domino's Pizza #2578	2101 S Weinbach Ave	47714
Donut Bank	210 N St Joseph Ave	47712
Donut Bank	1031 E Diamond Ave	47711
Donut Bank	5 N Green River Rd	47715
Donut Bank	2128 First Ave	47710

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Donut Bank	1200 Lincoln Ave	47714
Donut Bank	1950 Washington Ave	47714
Double Tree by Hilton	601 Walnut St	47708
Doughboy's	815 S Green River Rd	47715
Dream Center	16 W Morgan Ave	47710
Drury Inn & Suites - Evansville East	100 Cross Point Blvd	47715
Dunkin Donuts	3960 N First Ave	47710
Eagle Valley Golf Course	10350 Petersburg Rd	47725
Econo Lodge Inn & Suites	1930 Cross Point Blvd	47715
El Charro	720 Sonntag Ave	47712
El Paisano Grocery Taqueria	225 S Green River Rd	47714
El Patron	943 North Park Dr	47710
El Rio Mexican Restaurant	1919 N Green River Rd	47715
Emge Deli & Ice Cream	206/208 Main St	47708
Empty Nester's Enterprises	815 John St	47713
Eurest Dining/Mead Jo	2400 W Lloyd Expressway	47712
Evans School	837 Tulip Ave	47711
Evansville Athletic Club	321 W Oregon St	47710
Evansville Christian Life	509 S Kentucky Ave	47714
Evansville Christian School	4400 Lincoln Ave	47715
Evansville Country Club	3810 Stringtown Rd	47711
Evansville Lutheran School	120 E Michigan St	47711
Evansville Pavilion	6401 E Lloyd Expressway	47715
Evansville Protestant Home	3701 Washington Ave	47714
Evansville Sports Complex	4300 Heckel Rd	47725
Evansville State Hospital	3400 Lincoln Ave	47714
Evansville Youth Care Center	300 SE Martin Luther King Blvd	47713
Express Mart	325 S Kentucky Ave	47714
F O P #73	801 Court St	47708
Fairfield Inn Evansville East	7879 Eagle Crest Blvd	47715
Fairfield Inn Evansville West	5400 Weston Rd	47712
Fairlawn School	2021 S Alvord Blvd	47714
Farm 57	3443 Kansas Rd	47725
Fastbreak #5	2119 E Morgan Ave	47711
Fazoli's #1632	899 N Green River Rd	47715
Fazoli's #1756	5232 Weston Rd	47712
Fifth Third Café	20 NW Third St	47708
Firehouse Subs	1031 N Green River Rd #102	47712
Five Guys Burgers and Fries	5402 E Indiana St	47715
Fool Moon Grill & Bar	5625 Pearl Dr	47712
Franco's Tavola Calda	270 N Green River Rd	47715
Frank Jr BBQ	3012 Covert Ave	47714
Franklin Street Pizza Factory	2033 W Franklin St	47712
Franklin Street Tavern	2126 W Franklin St	47712

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Freddy's Frozen Custard	2848 N Green River Rd	47715
Fresh Thyme Market	1121 Hirschland Rd	47715
Fujiyama	915 North Park Dr	47710
G.D. Ritzzy's	4810 University Dr	47712
G.D. Ritzzy's	4320 First Ave	47710
G.D. Ritzzy's	601 N Green River Rd	47715
Gangnam Korean Cuisine	518 Main St	47708
Gardo's Italian Oven	13220 Darmstadt Rd	47725
Gary's Parkway Pizza	3911 Broadway Ave	47712
Gasoline Alley	3526 Interstate Dr	47715
Gatrick's	750 S Kentucky Ave	47714
Gattitown	316 N Green River Rd	47715
GaylaCake LLC	422 N Main St	47711
Germania Maennerchor	916 N Fulton Ave	47710
Gerst Bavarian Haus	2100 W Franklin St	47712
Ginmiya Asian Diner	4827 Davis Lant Dr Ste F	47715
Glenwood Leadership Academy	901 Sweetser Ave	47713
Golden Buddha	3221 Taylor Ave	47714
Golden Corral #683	130 Cross Point Blvd	47715
Golden Living Center- Brentwood	30 E Chandler Ave	47713
Golden Living Center- Woodbridge	816 N 1st Ave	47710
Good Samaritan Home Inc	601 N Boeke Rd	47711
Good Shepherd School	2301 N Stockwell Rd	47715
Goodwill Family Center	1351 W Buena Vista	47710
Gracies Chinese Cuisine	12500 N Highway 41	47725
Grand Buffet	1356 N Green River Rd	47715
Grandy's #188	722 Landbridge Ave	47710
Grannie's Secret Homemade Desserts	1701 Oak Hill Rd	47711
Great American Cookie Co	800 N Green River Rd	47715
Great Harvest Bread	423 Metro Ave	47715
Great Steak & Potato	800 N Green River Rd	47715
Hacienda - Darmstadt	600 E Boonville New Harmony Rd	47725
Hacienda #16	5440 Pearl Dr	47712
Hacienda #4	711 First Ave	47710
Hacienda #8	990 S Green River Rd	47715
Hadi Shrine Temple	6 Walnut St	47708
Hampton Inn	8000 Eagle Crest Blvd	47715
Hampton Inn Airport Evansville	5701 N Highway 41	47711
Happy Garden	1927 Pollack Ave	47714
Hardees	4400 Covert Ave	47714
Hardees	1501 N Boeke Rd	47711
Hardees	4249 Highway 41	47711
Hardees	2315 W Illinois St	47712
Harmes Una Pizza	967 S Kentucky Ave	47714

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Harper Elementary School	21 S Alvord Blvd	47714
Harrison High School	211 Fielding Rd	47715
Hartke Pool	201 N Boeke Rd	47711
Harvest Time	518 Linwood Ave	47714
Haynies Corner Market	37 Adams Ave	47713
Heady's Pizza	4120 B N First Ave	47710
Healthsouth Deaconess	4100 Covert Ave	47714
Hebron Elementary School	4400 Bellemeade Ave	47714
Helfrich Park STEM Academy	2603 W Maryland St	47712
Heritage Center	1201 W Buena Vista Rd	47710
Herradura	4610 Bellemeade Ave	47714
Hickory Pit Stop	1521 N Main St	47711
High Score Saloon	323 Main Street	47708
Highland Elementary School	6701 Darmstadt Rd	47725
Highland Inn Inc	6620 N First Ave	47710
Highland Pizza Shop	6669 Kratzville Rd	47710
Hill Top Inn	1100 Harmony Way	47720
Hillcrest Home	2700 W Indiana St	47712
Hilton Garden Inn	220 Eagle Crest Dr	47715
Himalaya Food Mart	6720 Washington Ave	47715
Holiday Inn Evansville Airport	7101 Highway 41 North	47725
Holiday Inn Express	5737 Pearl Dr	47712
Holiday Inn Express	324 Rusher Creek Rd	47725
Holiday Inn Express	220 Kirkwood Dr	47715
Holiday Retirement Village	1200 W Buena Vista	47710
Holy Redeemer	918 W Mill Rd	47710
Holy Rosary School	1301 S Green River Rd	47715
Holy Spirit School	1750 Lodge Ave	47714
Home 2 Suites	7901 E Walnut St	47715
Honey Baked Ham Co	1446 N Green River Rd	47715
Honey Dew	612 S Weinbach Ave	47714
Hooters	4620 Lincoln Ave	47715
Hornets Nest	11845 Petersburg Rd	47725
Hot Head Burrito	5625 Pearl Dr Ste A	47712
House of Como	2700 S Kentucky Ave	47714
Howard Johnson	1101 N Green River Rd	47715
Huck's	2225 N Fares Ave	47711
Hucks # 337	3951 N Green River Rd	47715
Huck's #383	3131 Kansas Rd	47725
Ice Island Grill	325 S Green River Rd	47715
IHOP 5404	601 N Burkhardt Rd	47715
Ivy Tech CC - Culinary Arts Lab	3501 First Ave	47710
Ivy Tech Corporate College Building	651 Fairway Drive	47710
Iwataya Restaurant	8401 N Kentucky Ave	47725

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Jason's Deli	943 N Green River Rd	47715
Jaya's Authentic Foods	119 SE Fourth St	47708
Jeanne's Gelato & More	2003 Lincoln Ave	47714
Jimmy Johns	701 N Burkhardt Rd	47715
Jimmy Johns	330 Main St	47708
Jimmy Johns	130 N St Joe Ave	47712
Jimmy Johns	2320 N Green River Rd	47715
Jimmy's Una Pizza	4711 Pollack Ave	47714
Joshua Academy	1230 E Illinois St	47711
JPM Convenient Store	1601 N 1st Ave	47710
J's Sportsbar & Grill	1602 S Vann Ave	47714
Just Cookies Inc	1120 Washington Square Mall	47715
Just Rennie's	100 SE Fourth St	47708
Just Rennie's Bistro	102 SE 4th St	47708
Just Rennie's Catering at the Old Post Office	100 NW Second St	47708
K.C.'s Time Out Lounge & Grill	1121 Washington Square Mall	47715
Kanpai	4593 Washington Ave	47714
Kennel Club of Evansville	5201 Kratzville Rd	47710
Keylee's Pizza & Creamery	10 NW Sixth St	47708
KFC #C119004	900 S Green River Rd	47715
KFC #C119002	1201 Covert Ave	47714
KFC/Taco Bell #C119005	4422 W Lloyd Expressway	47712
Kipplees Stadium Inn	2350 Division St	47711
Kite & Key Cafe	2301 W Franklin St	47712
Krispy Kreme	727 N Burkhardt Rd	47715
La Campriana	724 N Burkhardt Rd	47715
La Preferida	819 S Green River Rd	47715
Lamasco Bar & Grill	1331 W Franklin St	47710
LaQuinta Inn & Suites	8015 Division St	47715
Las Americas Tiendas Restaurant	1016-A S Weinbach Ave	47714
Lee's Famous Recipe	411 N St Joseph Ave	47712
Legends	1050 S Weinbach Ave	47714
Leroy's Tavern	2659 Mt Vernon Ave	47712
Libby & Mom's Cafe	2 N Richardt Ave	47711
Lic's Ice Cream	11 NW Fifth St	47708
Lic's Ice Cream	2001 Washington Ave	47714
Lic's Ice Cream	2311 W Virginia St	47712
Lic's Ice Cream	4501 Lincoln Ave	47714
Lic's Ice Cream	800 E Diamond Ave	47711
Life Choice	2225 W Indiana St	47712
Lincoln Garden	2001 Lincoln Ave	47714
Lincoln Market	751 Lincoln Ave	47713
Lincoln School	635 Lincoln Ave	47713
Lin's Asian Express	520 N 1st Ave	47710

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Little Caesar's Pizza	2007 Washington Ave	47714
Little Caesar's Pizza	2411 Stringtown Rd	47711
Little Caesar's Pizza	130 N St Joseph Ave	47712
Little Italy	4430 First Ave	47710
Lodge Community School	1400 E Riverside Dr	47714
Logans Roadhouse	5645 Pearl Dr	47712
Logans Roadhouse	1 N Burkhardt Rd	47715
Lombardi's New York Pizza	3311 N Green River Rd	47715
Long John Silvers #04	1015 S Green River Rd	47715
Long John Silvers #14	2519 First Ave	47710
Long John Silvers #28	2350 Morgan Ave	47711
Long John Silvers #29	4625 W Pennsylvania St	47712
Longhorn Steakhouse 5221	320 N Green River Rd	47715
Los Bravos	6226 Waterford Blvd	47715
Los Bravos	3534 N First Ave	47710
Los Bravos	4630 W Lloyd Expressway	47712
Los Portales Mexican Grill	3339 N Green River Rd	47715
Los Tres Caminos	12100 N Highway 41 Suite 9	47725
Lyle & Bill's Sportszone Pizza & Pub LLC	1404 E Morgan Ave	47711
MA T 888 China Bistro	5636 Vogel Rd	47715
Mach 1	19920 Ruffian Way	47725
Madeleines	423 SE Second St	47713
Maiden's Brew Pub	209 N Wabash Ave	47712
Major Munch	101 NW First St	47708
Mama Roma's Pizza Express	3115 Covert Ave	47714
Manna Mediterranean Grill	2913 Lincoln Ave	47714
Marathon	720 SE 8th St	47713
Marathon #103	201 E Louisiana St	47711
Marco's Pizza	2000 Covert Ave	47710
Marco's Pizza	3100 N 1st Ave	47714
Marigold Bar	2112 S Weinbach Ave	47714
Market Street Living	304 Market St	47708
Marx Bar B Q	3119 W Maryland St	47720
Mary & Martha's	6840 Logan Dr Suite A	47715
Mater Dei High School	1300 Harmony Way	47720
McCutchanville Elementary School	10701 Petersburg Rd	47725
McAlister's Deli	2220 N Green River Rd	47715
McAllister's Deli	5301 Pearl Dr	47712
McDonalds	1148 Washington Ave	47714
McDonalds	2960 Covert Ave	47714
McDonalds	4701 Lincoln Ave	47715
McDonald's	3704 N 1st Ave	47710
McDonalds #10878	19700 N Highway 41	47725
McDonalds #11291	115 S Rosenberger Ave	47712

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McDonalds #11365	20 N Main St	47711
McDonalds #20552	999 E Mt Pleasant Rd	47725
McDonalds #25751	49 N Burkhardt Rd	47715
McDonalds #31565	3350 N Green River Rd	47715
McDonalds #35457	1617 Bartlett Ave	47711
McDonalds #5774	909 N St Joseph Ave	47720
McDonalds #7611	799 N Green River Rd	47715
McGary Middle School	1535 Joyce Ave	47714
Meals & More	7801 Bussing Dr	47725
Meijer #287	2622 Menards Dr	47715
Meijer Gas Station	2611 Menards Dr	47715
Memorial High School	1500 Lincoln Ave	47714
Merry-Go-Round	2101 N Fares Ave	47711
Mesker Park Zoo (Rainforest Grill & Watering Hole)	1545 Mesker Park Dr	47720
Methodist Temple	2109 Lincoln Ave	47714
Metro Sports Center	5820 Metro Centre Dr	47715
Mike Libs & Choc Factory	864 S Green River Rd	47715
Milano Italian Cuisine	500 Main St	47708
Milk and Sugar Scoop Shoppe	2021 W Franklin St	47712
Mission BBQ	1530 N Green River Rd	47715
MJ's Café	801 St Mary's Dr	47714
MOD Pizza	6401 E Lloyd Expy Suite C 102	47715
Mojo's Boneyard	4920 Bellemeade Ave	47715
Montessori Academy	4661 Adams Ave	47714
Moto Mart	3221 Mariner Dr	47715
Moto Mart	500 N Burkhardt Rd	47715
Moto Mart	1900 N Green River Rd	47711
Moto Mart	6328 E Lloyd Expwy	47715
Mr. Bubble Tea	503 N Green River Road	47715
Nacho's Grill	821 S Green River Rd	47715
Nazarene MBC/ Joshua Academy	867 E Walnut St	47713
New Frontier Restaurant and Bar	12945 Highway 57	47725
Noble Romans - Wash Sq	1216 Washington Sq	47715
North Jr High School	15325 N Highway 41	47725
North Park Nursing Center	650 Fairway Dr	47710
North River Health Campus	811 E Baseline Rd	47725
O'Brians Sports Bar & Grill	1801 N Green River Rd	47715
O'Charleys #237	7301 E Indiana St	47715
O'Charleys #296	5125 Pearl Dr	47712
Oak Hill School	7700 Oak Hill Rd	47712
Oak Meadow Country Club	11505 Browning Rd	47725
Oasis Assisted Living	1000 Burdette Ave	47714
Oasis Café Mediterranean Grill	5702 E Virginia St	47715
Old Chicago Pasta & Pizza	6550 E Lloyd Expressway	47715

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Old Fashioned Butcher Shop	2130 Stringtown Rd	47711
Old Tyme Deli & Meat Shop	307 N First Ave	47710
Olive Garden #1022	1100 N Green River Rd	47715
One Main Eurest Dining Service	601 NW Second St	47708
Orange Leaf of Evansville LLC	701 Burkhardt Rd	47715
Order of Owls Nest #30	2427 N Sherman St	47711
Outback Steakhouse #1519	7201 E Indiana St	47715
Panaderia San Miguel	2004 Washington Ave	47714
Panda Express #2906	2445 Menards Dr	47715
Panera Bread Bakery-Cafe #1020	220 N Burkhardt Rd	47715
Pangea Kitchen	111 S Green River Rd	47715
PaPa Johns	4204 First Ave	47710
Papa Johns	5436 E Indiana St	47715
PaPa Johns	4814 W Lloyd Expressway	47712
Papa Johns	303 N Weinbach Ave	47711
PaPa Johns #3681	12414 Highway 41 N	47725
PaPa Murphys Take N Bake	4827 Davis Lant Dr Suite C	47715
Papa Murphys Take N Bake	779 S Green River Rd	47715
Park Terrace	25 S Boehne Camp Rd	47712
Parkview Care Center	2819 N St Joseph Ave	47720
Patchwork Central	100 Washington Ave	47713
Pendley Daycare	2916 Oak Hill Rd	47711
Penn Station	137 N Burkhardt Rd	47715
Penn Station	5310 Pearl Dr	47712
Penn Station	4827 Davis Lant Dr	47715
Penny Lane Coffeehouse	600 SE Second St	47713
Perry Heights School	5800 Hogue Rd	47712
PG Café	1418 W Franklin St	47710
Philly Grill	600 E Boonville-New Harmony Rd	47725
Pie Pan	905 North Park Dr	47710
Piece of Cake	210 Main St	47708
Pine Haven	3400 Stocker Dr	47720
Piston's	2131 W Franklin St	47712
Pizza Depot	2801 E Boonville-New Harmony Rd	47725
Pizza Hut	4508 N First Ave	47710
Pizza Hut #316305	310 N St Joseph Ave	47712
Pizza Hut #316308	925 N Green River Rd	47715
Pizza Hut #316428	1357 Covert Ave	47714
Pizza Hut #316695	601 E Boonville New Harmony Rd	47725
Pizza King	220 N St Joseph Ave	47712
Pizza King	1033 S Weinbach Ave	47714
Pizza Oven	5806 Stringtown Rd	47711
Pizza Pub	606 N Main St	47710
Planter's Café	1211 Tutor Lane	47715

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Plaza Park Academy	7301 Lincoln Ave	47715
Popeye's Chicken	3300 N 1st Ave	47710
Price Less Foods	1550 Vann Ave	47714
Price Less Foods	4851 W Pennsylvania St	47712
Proper Coffee	800 N Green River Rd	47715
Qdoba	922 N Burkhardt Rd	47715
Quality Inn	5006 Morgan Ave	47715
Quality Inn Mahadev	19622 Elpers Rd	47725
R & K Food & Gas	1526 Judson St	47713
Rafferty's	1400 N Green River Rd	47715
Rally's #162	4720 E Morgan Ave	47715
Rally's #58	1201 E Virginia St	47711
Read Street BBQ	421 Read St	47710
Red Lobster # 0058	4605 Bellemeade Ave	47714
Red Robin Gourmet Burgers	6636 E Lloyd Expressway	47715
Reitz High School	350 Dreier Blvd	47712
Reliable Adult Care	5130 Vogel Rd #130	47715
Rescue Mission	500 E Walnut St	47708
Residence Inn	8283 E Walnut St	47715
Ricks 718 Bar and Lounge	718 N Third Ave	47710
Ricks Sport Bar & Family Room	1531 S Green River Rd	47715
River Bend Association Inc	2207 W Franklin St	47712
River City Eagles #4023	1824 W Franklin St	47712
River City Mercantile & Coffee	223 Main St	47708
River Kitty Cat Café	226 Main St	47708
River Pointe Health Campus	3001 Galaxy Dr	47715
Riverview Adventist Christian Academy	2231 Burdette Ave	47714
Riverwalk Communities	401 SE 6th St	47713
Roca Bar	1618 S Kentucky Ave	47714
Roca Bar North	12301 N Highway 41	47725
Roppongi	7221 E Indiana St	47715
Rosie's Diner	1423 W Maryland St	47710
Rounders Pizza	510 W Mill Rd	47710
Rounders Pizza Too	12731 N Green River Rd	47725
Royal Suite Dinner & Movie	4706 Morgan Ave	47715
Salad World Downtown	200 A Main St	47708
Salsarita's Fresh Cantina	3910 E Morgan Ave	47715
Salvation Army Community Center	1040 N Fulton Ave	47710
Sam's Club #8123	6700 E Virginia St	47715
Sam's Southern Eatery	420 S Green River Rd	47715
Sam's Food Mart	1000 Washington Ave	47714
Sam's Pizzeria	2011 Delaware St	47712
Sarto Retreat House	4200 N Kentucky Ave	47711
Sauced	1119 Parrett St	47713

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Savannah's Café	1802 Stringtown Rd	47711
Save A Lot #671	2125 S Weinbach Ave	47714
Save A Lot #675	500 Diamond Ave	47711
Schaum's Pizzeria	240 S Green River Rd	47715
Schlotzsky's	301 N Green River Rd	47715
Schnucks #704	3700 N First Ave	47710
Schnucks #705	4500 W Lloyd Expressway	47712
Schnucks #708	5000 Washington Ave	47715
Schnucks #728	3501 N Green River Rd	47715
Schnucks #742	600 E Boonville-New Harmony Rd	47725
Scott Elementary School	14940 Old State Rd	47725
Select Specialty Hospital	400 SE 4th St	47713
Shing-Lee	215 Main St	47708
Showplace Cinemas	950 S Hebron Ave	47715
Showplace Cinemas	1801 Morgan Center Dr	47715
Shyler's Baroque	5428 E Indiana St	47715
Side Track Tavern	664 E Illinois St	47711
Signature HealthCARE	5233 Rosebud Ln	47630
Simpsons Supermarket	1365 Covert Ave	47714
Skateworld	1300 Fairfield Dr	47715
Skyzone	49 N Green River Rd	47715
Smitty's	2109 W Franklin St	47712
Solarbron Pointe	1501 McDowell Rd	47712
Sonic Drive-In #102	2200 Covert Ave	47714
Sonic Drive-In #105	4920 W Lloyd Expressway	47712
Sonic Drive-In #106	830 N Burkhardt Rd	47715
Sonic Drive-In #109	881 S Green River Rd	47714
Sonic Drive-In #111	3433 N Green River Rd	47715
Southern Indiana Career Technical Ctr Culinary Arts	1901 Lynch Rd	47711
Spankey's Una Pizza	4404 W Lloyd Expressway	47712
Spicy Thai Cuisine	601 E Boonville New Harmony Rd	47725
Sportsman Billards & Pub	2315 W Franklin St	47712
Spudz-n-Stuff	601 E Boonville New Harmony Road	47725
Spudz-N-Stuff	3904 N 1st Ave	47710
Spudz-N-Stuff	2403 Washington Ave	47714
St Agnes School	1600 Glendale Ave	47712
St Anthony's Soup Kitchen	713 Second Ave	47710
St Benedicts School	530 S Harlan Ave	47714
St Boniface School	2031 W Michigan St	47712
St Johns Soup Kitchen	617 Bellemeade Ave	47713
St Mary's Medical Center	3700 Washington Ave	47714
St Pauls Episcopal	301 SE First St	47708
St. Vincent Center for Children & Families	730 W Delaware St	47710
Stans Original Una Pizza	1101 Harmony Way	47712

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Starbucks Coffee 1892	4700 W Lloyd Expressway	47720
Starbucks Coffee Co #8693	4650 First Ave	47710
Starbucks Coffee Company #9759	504 N Green River Rd	47715
Steak 'N Shake	7929 E Division St	47715
Steakburger Company	800 N Green River Rd	47715
Stephen Libs Finer Chocolates	6225 Vogel Rd.	47715
Stepping Stone - 30022004	4001 John St	47714
Steves Una Pizza	1005 S St James Blvd	47714
Stockwell Inn	4001 E Eichel Ave	47715
Stockwell School	2501 N Stockwell Rd	47715
Stockyard Inn	1217 Baker St	47710
Stolls Country Inn South	19820 Castle Creek Dr	47725
Stop & Go - Food and Gas	520 S Barker Ave	47712
Stringtown School	4720 Stringtown Rd	47711
Subway	2744 N Green River Rd	47715
Subway	12500 N Highway 41	47725
Subway	501 N Main Suite A	47711
Subway	4750 W Lloyd Expressway	47712
Subway	4313 E Morgan Ave	47715
Subway	1343 Tutor Ln	47715
Subway	1677 Lincoln Ave	47714
Subway	520 Mary St	47710
Subway	200 S Green River Rd Ste C	47715
Subway - Berry Plastic Site	101 Oakley St	47710
Subway #12340	1401 Covert Ave	47714
Subway #15691	631 Walnut St	47713
Subway #23569	1300 E Morgan Ave	47711
Subway #28905	301 Main St	47708
Subway #30714	3200 N St Joe Unit A	47720
Subway #56335	6401 Hwy 41 N	47715
Subway #870	4218 N 1st Ave	47710
Subway Sandwich Shop	611 E Diamond Ave	47711
Subway Sandwich Shop	510 N St Joseph Ave	47712
Sunshine Juice Company	6225 E Virginia St	47715
Super 8	19601 Elpers Rd	47725
Super 8 Motel	4600 E Morgan Ave	47715
Sure Stay Plus Hotel	19600 Elpers Rd	47725
Sweet Bettys Bakery	5600 E Virginia St Ste E	47715
Sweetwater Event Center	8335 Eagle Lake Dr	47715
Swonder Ice Rink	201 N Boeke Rd	47711
Szechwan Chinese Restaurant	669 N Green River Rd	47715
T Minimart	2400 Washington Ave	47714
Taco Bell	2400 W Maryland St	47712
Taco Bell #28864	4501 First Ave	47710

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Taco Bell #28898	1580 Vann Ave	47714
Taco Bell #28907	1500 N Willow Rd	47711
Taco Bell #28908	1001 N Green River Rd	47715
Taco Johns	604 N St Joseph Ave	47712
Taco Johns	2509 Washington Ave	47714
Taco Tierra	420 S Green River Rd	47715
Taj Mahal	900 E Tutor Ln	47715
Target T-108	4000 First Ave	47710
Target T-1481	6625 E Lloyd Expressway	47715
Taste Of China	4579 University Dr	47712
Taste of NYC	800 N Green River Rd	47715
Tekoppel School	111 Tekoppel Ave	47712
Texas Roadhouse	7900 Eagle Crest Blvd	47715
TGI Fridays	800 N Green River Rd	47715
Thai Papaya Cuisine	1434 Tutor Ln	47715
The Caboose	915 N Main St	47711
The Centre	715 Locust St	47708
The Daily Grind	1 SE Ninth St	47708
The Dapper Pig	1112 Parrett St	47713
The Deli/ONB	1 Main St	47708
The Diner	333 Jefferson Ave	47713
The Ford Center	1 SE Martin Luther King Blvd	47708
The Fresh Market	6401 E Lloyd Expressway	47715
The Friendship Diner	834 Tutor Ln	47715
The Garden School	4910 E Riverside Dr	47715
The Granola Jar	1033 Mt Pleasant Rd Suite J	47725
The Granola Jar	111 S Green River Rd Suite D	47715
The Great American Eagle	3800 E Morgan Ave	47715
The Grill -Vitro PGW	424 E Inglefield Rd	47725
The Inflatable Fun Factory	6600 Frito Lay Dr	47715
The Pacetre	2734 Mt Vernon Ave	47712
The Peephole Bar & Grill	201 Main St	47708
The Perfect Plan To Go	3101 N Green River Rd Ste 310	47713
The Rooftop	112 NW Martin Luther King Blvd	47708
The Sand Trap	1900 E Diamond Ave	47711
The Taqueria	800 N Green River Rd	47715
The Vineyard	5721 E Virginia St	47715
Thompkins School	1300 W Mill Rd	47710
Thorntons #82	2401 Morgan Ave	47711
Thorntons #83	701 S Green River Rd	47715
Thorntons #84	813 N St Joseph Ave	47712
Thorntons #85	114 S Rosenberger Ave	47712
Thorntons #88	6300 Morgan Ave	47715
Thunderbolt Pass Golf Course	6901 Petersburg Rd	47711

TABLE 7-1

Updated Food Establishment Listing

July 1, 2018 through December 31, 2018 Reporting Period

Thyme in the Kitchen	2308 W Franklin St	47712
Tin Man Brewing Co	1430 W Franklin St	47710
TJ Maxx Cafe	3301 Maxx Rd	47711
Tokyo Japan	3000 N Green River Rd	47715
Treehouse Pub & Grill	1550 Mesker Park Dr	47720
Tres Reynas	920 N Main St	47711
Tri State GN Sikh Temple	2816 Cullen Ave	47715
Trinity United Methodist	216 SE 3rd St	47713
Tropicana - Casino	615 NW Riverside Dr	47708
Tropicana - The District	701 NW Riverside Dr	47708
Tropicana Evansville Pavilion	450 NW Riverside Dr	47708
Tropicana Hotel/Conference Center/Temptation Buffet	421 NW Riverside Dr	47708
Turoni's	408 N Main St	47711
Turoni's Forget Me Not Inn	4 N Weinbach Ave	47711
Twisted Tomato	2333 St George Rd	47711
Two Brothers Chinese	3806 First Ave	47710
Una-Tu-Pizza	709 N Governor St	47711
United Caring Shelter	324 NW Sixth St	47708
University of Southern Indiana	8600 University Blvd	47712
University Nursing and Rehabilitation	1236 Lincoln Ave	47714
University Food Mart	1701 Lincoln Ave	47714
University of Evansville/CAFÉ COURT 79404001	1800 Lincoln Ave	47714
Vanderburgh Co Jail	3500 N Harlan Ave	47711
Vanderburgh Coliseum	300 Court St	47708
VFW Post 1114	110 Wabash Ave	47712
Vietnamese Cuisine Restaurant	4602 Vogel Rd	47715
Virginia Food Market	628 E Virginia St	47711
Vogel School	1500 Oak Hill Rd	47711
Wal-Mart Market #5372	3430 Taylor Ave	47714
Wal-Mart Market Store	2500 N 1st Ave	47710
Wal-mart Supercenter #1263	401 N Burkhardt Rd	47715
Wal-mart Supercenter #1341	335 S Red Bank Rd	47712
Walnut Creek	525 Bente West Ct	47715
Walton's Comfort Food	956 Parrett St	47713
Washington School	1801 Washington Ave	47714
Wayback Burgers	624 E Diamond Ave	47711
Wayback Burgers	115 Cross Pointe Blvd Ste 4	47715
Wendy's #324	3351 N First Ave	47710
Wendy's #325	410 N St Joseph Ave	47712
Wendy's #326	4610 Lincoln Ave	47714
Wendy's #327	550 N Green River Rd	47715
Wendy's #346	401 S Boehne Camp Rd	47712
Wendy's #401	601 E Boonville New Harmony Rd	47725
Wendy's #399	400 N Burkhardt Rd	47715

TABLE 7-1

Updated Food Establishment Listing

July 1, 2018 through December 31, 2018 Reporting Period

Wesselmans Sonntag	700 Sonntag Ave	47712
Wesselmans Royal	1200 N Fulton Ave	47710
West River Health Campus	8530 Middle Mount Vernon	47712
West Terrace School	8000 West Terrace Dr	47712
Western Rib Eye	1401 N Boeke Rd	47711
Westwood Baptist Church	121 S Boehne Camp Rd	47712
White Castle #37	6940 Logan Dr	47715
White Swan Coffee Lab	2025 W Franklin Street	47712
Willow Park	5050 Lincoln Ave	47715
Windmill Dairy Queen	6801 Highway 41	47725
Wings Etc.	628 E Diamond Ave	47711
Wingstop	499 B N Green River Rd	47715
Wok N Roll	311 S Green River Rd	47715
Wolf's BBQ	6600 First Ave	47710
Wolfe's Auto Auction Inc	2229 S Kentucky Ave	47714
World Harvest Ministries Daycare	1111 S Green River Rd	47714
Xpress Pantry	326 S Kentucky Ave	47714
Xpress Pantry	1015 N Main St	47711
Xpress Pantry	221 N Fulton Ave	47710
Yang's Shabu Shabu	4700 Vogel Rd	47715
Yen Ching	406 S Green River Rd	47715
Zaxby's	1021 N Burkhardt Rd	47715
Zesto	102 W Franklin St	47713
Zesto	920 E Riverside Dr	47710
Zoup	6240 E Virginia St	47715
Zoup	4660 N First Ave	47710
Zuki	1448 N Green River Rd	47715
Zuki - Downtown	222 Main St	47708

TABLE 7-2

Sewer Segments Treated for Root Intrusion

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	SubBasin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (LF)
SSS	E-6-4	4601 JACKSON AVE	7/2/18	2683	2684	6667	8	VCP	273
SSS	W-8-5	1027 SHEFFIELD DR	7/3/18	9280	9276	11787	8	VCP	183
SSS	W-8-5	1124 SHEFFIELD DR	7/3/18	9289	9287	12826	8	VCP	400
SSS	E-6-3	1614 POLSTER DR	7/3/18	14270	14271	7316	8	VCP	124
SSS	W-8-5	816 W HEERDINK AVE	7/6/18	9269	9270	11771	8	VCP	487
SSS	W-8-5	816 W HEERDINK AVE	7/6/18	9274	9271	11785	8	VCP	400
SSS	W-8-5	921 W HEERDINK AVE	7/6/18	9273	9274	11786	8	VCP	263
SSS	W-8-5	4804 N FIRST AVE	7/6/18	9271	9270	15447	12	VCP	223
SSS	E-6-2	3420 MONROE AVE	7/9/18	3717	3719	15007	8	VCP	539
SSS	E-6-2	3420 MONROE AVE	7/9/18	3716	3719	15006	8	VCP	534
SSS	W-8-1	3308 TREMONT RD	7/13/18	8963	8964	15387	15	VCP	377
SSS	E-6-2	1930 JOYCE AVE	7/23/18	9961	9960	24531	8	RCP	175
SSS	E-6-2	2016 S LOMBARD AVE	7/24/18	99669	9962	11371	8	VCP	390
SSS	E-6-3	4900 SWEETSER AVE	7/25/18	3041	3040	22687	8	VCP	321
SSS	W-8-1	3105 KENSINGTON AVE	7/30/18	8972	8975	24132	12	VCP	302
SSS	W-8-1	3308 TREMONT RD	7/31/18	8970	8964	26789	15	VCP	383
SSS	E-9-8	671 GREENFIELD RD	7/31/18	5832	5833	7365	8	RPM	387
SSS	E-6-2	3624 POLLACK AVE	8/2/18	10009	9961	24548	8	VCP	156
SSS	E-6-3	1901 CLAYTON AVE	8/3/18	3106	3105	22692	8	VCP	486
SSS	E-6-1	1901 S BOEKE RD	8/7/18	67495	282947	29055	8	VCP	515
SSS	E-6-3	5000 HELMUTH	8/7/18	3104	3105	22684	8	VCP	285
SSS	E-6-3	1758 S GREEN RIVER RD	8/8/18	3040	10106	22686	8	VCP	309
SSS	W-8-3	3523 TREMONT RD	8/13/18	4115	4113	23491	8	VCP	441
SSS	W-8-1	3005 SHERIDAN RD	8/13/18	9119	9116	24148	8	VCP	221
SSS	E-6-3	1909 S KENMORE DR	8/13/18	10090	10087	22665	8	VCP	442
SSS	E-6-3	4528 OMER PL	8/14/18	10075	10074	23039	8	VCP	419
SSS	E-6-1	1640 S TAFT AVE	8/14/18	AEP	3364	12692	8	VCP	225
SSS	W-8-3	521 COLONIAL AVE	8/16/18	4109	4106	23489	8	VCP	193
SSS	E-6-3	1710 BURDETTE AVE	8/22/18	3022	10050	5574	8	RPM	263
SSS	E-6-3	1921 HICKS DR	8/24/18	281271	10034	26843	10	VCP	203
SSS	E-6-3	1603 HICKS DR	8/27/18	10033	2943	23406	10	VCP	330
SSS	E-6-1	3001 SOUTHEAST BLVD	8/28/18	9888	2761	21505	8	VCP	310
SSS	W-10-1	123 FERNWOOD PL	8/28/18	58407	58408	22052	8	VCP	156
SSS	E-6-1	1817 VANN AVE	8/31/18	CO	2694	21514	10	VCP	288
SSS	E-6-3	2013 S GREENRIVER RD	9/5/18	CO	10083	22663	8	VCP	115

TABLE 7-2

Sewer Segments Treated for Root Intrusion

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	SubBasin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (LF)
SSS	E-6-1	3103 SOUTHEAST BLVD	9/5/18	9886	9885	12696	8	VCP	237
SSS	E-6-1	3108 GRAHAM AVE	9/5/18	CO	9886	6125	8	VCP	66
SSS	E-6-1	1844 MCCONNELL AVE	9/6/18	9884	9883	12694	8	VCP	70
SSS	E-6-1	1844 MCCONNELL AVE	9/6/18	9882	9883	12697	8	VCP	205
SSS	E-6-8	1400 S BRENTWOOD DR	9/6/18	3208	3207	22808	8	VCP	284
SSS	E-6-8	1424 S BRENTWOOD DR	9/6/18	3207	3206	22807	8	VCP	308
SSS	E-9-11	7306 POWELL AVE.	9/11/18	7092	7091	23514	8	VCP	380
SSS	E-6-1	2614 HELMUTH AVE	9/11/18	4005	4006	24002	8	VCP	286
SSS	E-11-4	4516 GRACE CT	9/12/18	7398	7396	8372	8	VCP	216
SSS	E-9-11	7139 E BLACKFORD AVE	9/12/18	3188	3187	7031	8	VCP	263
SSS	E-11-4	4617 GRACE CT	9/12/18	7396	14431	8689	8	VCP	190
SSS	W-8-4	4001 PHELPS LN	9/13/18	3741	3742	11520	8	VCP	92
SSS	W-8-4	4001 N FULTON AVE	9/13/18	3743	3741	11521	8	VCP	206
SSS	W-8-2	928 ALLENS LN	9/17/18	9043	9047	22995	8	VCP	348
SSS	W-8-4	4200 N THIRD AVE	9/19/18	281539	3738	15415	15	VCP	173
SSS	W-8-4	4417 KRATZVILLE RD	9/20/18	9002	9004	24096	8	PVC	137
SSS	E-3-5	2213 HAWTHORNE AVE	9/27/18	2900	2901	7666	8	VCP	297
SSS	E-6-1	2457 SWEETSER AVE	10/4/18	CO	3985	14544	8	VCP	138
SSS	E-6-3	4613 CONLIN AVE	10/9/18	CO	10084	22607	8	VCP	132
SSS	E-6-12	8000 NEWBURGH RD	10/12/18	14177	14176	7855	8	VCP	349
SSS	W-8-4	4822 RIDGE KNOLL DR	10/29/18	9347	9348	11875	8	VCP	91
SSS	W-8-2	2904 N THIRD AVE	10/29/18	9072	9071	14755	8	VCP	195
SSS	W-8-3	4518 LONGFIELD DR	12/11/18	4102	3749	11610	8	VCP	482
SSS	W-13-3	4129 KEDZIE AVE	12/17/18	11581	11561	13380	8	VCP	155
SSS	E-11-3	4220 OAKHILL RD	12/18/18	7323	7322	8594	8	RPM	430
Total Segment Length Treated (ft)									16847

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-8-7	6600 N FIRST AVE	2/14/18	10710	10709	12042	8	VCP	88
SSS	E-6-10	CHICKASAW LS	2/14/18	AEP	284129	30760	8	PVC	5
SSS	E-6-10	CHICKASAW LS	2/15/18	AEP	284129	30761	8	PVC	6
SSS	W-8-7	801 HARTFORD CT	2/26/18	10655	9314	22413	8	VCP	248
SSS	W-8-6	108 HANOVER RD	3/1/18	9540	9546	11997	8	VCP	169
SSS	W-8-6	5600 WINSTON RD	3/1/18	9537	9539	27378	8	VCP	240
SSS	W-8-6	4900 STRATFORD RD	3/9/18	282797	9200	29384	10	VCP	130
SSS	W-8-6	5003 MANOR CT	3/22/18	AEP	9192	11643	8	VCP	65
SSS	E-6-8	6425 NEWBURGH RD	4/9/18	6563	6559	23977	8	VCP	323
SSS	E-6-8	6501 NEWBURGH RD	4/9/18	6559	6558	23976	8	VCP	221
SSS	E-6-8	1425 GREENMEADOW RD	4/9/18	3208	3207	22808	8	VCP	284
SSS	E-6-8	1401 GREENMEADOW RD	4/9/18	AEP	3208	11187	8	VCP	25
SSS	E-6-8	6416 ARCADIAN HWY	4/10/18	6560	2956	23978	8	VCP	350
SSS	E-6-8	5925 COVERT AVE	4/10/18	3206	284212	22615	8	VCP	247
SSS	E-6-8	5925 COVERT AVE	4/10/18	284212	10153	30878	8	VCP	56
SSS	E-6-8	1513 GREENMEADOW RD	4/10/18	3207	3206	22807	8	VCP	308
SSS	E-6-8	1527 S BRENTWOOD DR	4/10/18	3204	282931	7610	8	VCP	170
SSS	E-6-8	1525 S BRENTWOOD DR	4/10/18	3205	3204	7500	8	VCP	378
SSS	E-6-8	6312 WASHINGTON AVE	4/11/18	6535	10178	23984	10	VCP	221
SSS	W-8-4	4822 RIDGE KNOLL DR	4/17/18	9347	9348	11875	8	VCP	88
SSS	W-8-4	4908 RIDGE KNOLL RD	4/17/18	9348	9351	11880	8	VCP	217
SSS	W-8-3	301 PEMBERTON AVE	4/20/18	4101	4099	11612	8	VCP	177
SSS	W-8-3	4524 LONGFIELD DR	4/23/18	3782	4102	11616	8	VCP	172
SSS	W-8-3	419 PEMBERTON AVE	4/23/18	3780	3781	12679	8	VCP	118
SSS	W-8-3	4536 LONGFIELD DR	4/23/18	3781	3782	12821	8	VCP	118
SSS	E-6-6	5613 WINTHROP CT	4/26/18	6582	6584	7299	8	RPM	224
SSS	E-6-6	5609 WINTHROP CT	4/26/18	6584	6585	7298	8	RPM	152
SSS	E-6-6	5608 WINTHROP CT	4/26/18	281306	281305	26943	8	RPM	101
SSS	E-6-6	5605 WINTHROP CT	4/26/18	281305	6585	26944	8	RPM	287
SSS	E-6-6	5601 WINTHROP CT	4/26/18	6585	6579	7296	8	RPM	265
SSS	E-6-6	5400 WINTHROP CT	4/28/18	6567	6568	7287	8	RPM	250
SSS	E-6-6	5614 WINTHROP CT	4/28/18	CO	6573	7290	8	RPM	61
SSS	E-6-6	5614 WINTHROP CT.	4/28/18	6573	6574	7291	8	RPM	147
SSS	W-8-3	4511 N FIRST AVE	4/30/18	3537	3536	11549	8	VCP	329
SSS	W-8-2	2901 N FIRST AVE	5/7/18	9102	9068	24298	8	VCP	291
SSS	E-6-5	4707 BAYARD PARK DR	5/8/18	6975	6976	23264	8	VCP	506

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-8-2	928 ALLENS LN	5/9/18	9043	9047	22995	8	VCP	348
SSS	E-6-5	4824 LINCOLN AVE	5/9/18	6282	6284	23271	8	VCP	347
SSS	E-6-5	5020 BELLEMEADE AVE	5/10/18	6447	6446	7278	8	RCP	160
SSS	W-8-3	4300 LONGFIELD DR	5/11/18	3750	3522	11591	8	VCP	357
SSS	E-6-3	4920 SWEETSER AVE	5/14/18	3042	3041	22678	8	VCP	295
SSS	E-6-3	5016 SWEETSER AVE	5/14/18	3043	3042	22679	8	VCP	343
SSS	E-6-5	662 S GREENRIVER RD	5/16/18	6971	6972	23266	8	VCP	459
SSS	E-6-4	4507 JACKSON AVE	5/21/18	2682	2683	6668	8	VCP	350
SSS	E-6-4	4601 JACKSON AVE	5/21/18	2683	2684	6667	8	VCP	273
SSS	W-8-2	836 ALLENS LN	5/22/18	9053	9035	22986	8	VCP	509
SSS	W-8-3	3 W BUENA VISTA RD	5/22/18	9493	9494	23328	8	VCP	341
SSS	E-6-4	4707 JACKSON AVE	5/22/18	2684	3056	7321	8	VCP	447
SSS	E-6-4	1431 S GREENRIVER RD	5/24/18	39241	3036	7317	10	RCP	35
SSS	W-8-3	215 W BUENA VISTA RD	5/25/18	9495	14416	23317	8	VCP	283
SSS	E-6-3	4501 GREENCOVE AV	5/29/18	10058	10059	5566	8	VCP	171
SSS	E-6-3	4513 GREENCOVE AVE	5/29/18	10059	2771	5565	8	VCP	380
SSS	E-6-3	5000 CONLIN AVE	5/29/18	3104	3105	22684	8	VCP	285
SSS	E-6-3	5000 HELMUTH AVE	5/29/18	3106	3105	22692	8	VCP	486
SSS	E-6-3	4531 GREENCOVE AVE	5/29/18	10114	2771	6141	8	VCP	252
SSS	E-6-3	4401 CASS AVE	5/29/18	10060	281798	6140	8	VCP	301
SSS	E-6-3	2031 CLAYTON AVE	5/29/18	3107	10100	22696	8	VCP	471
SSS	W-8-5	819 SHEFFIELD DR	5/30/18	9275	9279	11772	8	VCP	236
SSS	W-8-5	1027 SHEFFIELD DR	5/30/18	9280	9276	11787	8	VCP	191
SSS	W-8-5	1013 WESTCHESTER CT	5/30/18	122402	122401	11796	8	VCP	296
SSS	E-6-3	4630 GREECOVE AVE	5/30/18	AEP	282108	28668	8	RCP	134
SSS	E-6-3	4701 CASS AVE	5/30/18	282108	10108	6138	8	RCP	130
SSS	E-6-3	4537 CASS AVE	5/30/18	281798	10114	28330	8	VCP	262
SSS	E-6-3	4921 CONLIN AVE	5/30/18	3101	3100	22680	8	VCP	312
SSS	E-6-3	1614 POLSTER DR	5/30/18	14270	14271	7316	8	VCP	124
SSS	E-6-3	5016 CONLIN AVE	5/30/18	3102	3101	22681	8	VCP	337
SSS	E-6-3	5024 HELMUTH AVE	5/30/18	3103	3104	22685	8	VCP	291
SSS	E-6-3	4530 GREENCOVE AVE	5/31/18	14271	14272	7315	8	VCP	41
SSS	E-6-3	5000 HELMUTH AVE	5/31/18	3105	14236	22691	8	VCP	108
SSS	E-6-3	5000 HELMUTH AVE	5/31/18	14235	14236	7557	8	RPM	218
SSS	E-6-3	4527 POLSTER DR	5/31/18	14272	AWW	5569	8	VCP	32
SSS	E-6-3	1708 BURDETTE AVE	5/31/18	AEP	10061	5570	8	RPM	102

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-3	5006 HELMUTH AVE	5/31/18	14236	10102	22690	8	VCP	94
SSS	E-6-3	2007 CLAYTON AVE	5/31/18	10102	10101	22683	8	VCP	148
SSS	E-6-3	2007 CLAYTON AVE	5/31/18	3198	10101	22682	8	VCP	485
SSS	E-6-3	2031 CLAYTON AVE	5/31/18	10101	10100	22697	8	VCP	263
SSS	E-6-3	5001 POLLACK AVE	5/31/18	10100	10099	22695	8	VCP	162
SSS	E-6-3	1660 CASS AVE	6/1/18	10061	10062	5572	8	RPM	36
SSS	E-6-3	1660 BURDETTE AVE	6/1/18	10062	3022	5573	8	RPM	245
SSS	E-6-3	1620 BURDETTE AVE	6/1/18	CO	10054	5586	8	RPM	78
SSS	E-6-3	1620 BURDETTE AVE	6/1/18	10054	10055	5585	8	RPM	90
SSS	E-6-3	4321 BURDETTE AVE	6/1/18	10055	10056	5584	8	RPM	157
SSS	W-8-5	5208 N FOURTH AVE	6/4/18	9303	9300	11770	8	VCP	269
SSS	W-8-5	5200 N FOURTH AVE	6/4/18	AEP	9300	11775	10	VCP	156
SSS	W-8-5	5201 BERRY LN	6/4/18	9302	9301	11777	10	VCP	353
SSS	W-8-5	1100 WESTCHESTER CT	6/4/18	122404	9302	11799	10	VCP	214
SSS	E-6-3	2058 HICKS DR	6/4/18	281273	281272	26844	8	RPM	236
SSS	E-6-3	1733 BURDETTE AVE	6/4/18	10050	10051	5581	8	RPM	318
SSS	E-6-3	2031 HICKS DRIVE	6/4/18	10043	10037	23405	10	VCP	330
SSS	E-6-3	2020 S GREENRIVER RD	6/4/18	10097	10103	25087	12	RCP	218
SSS	E-6-3	4908 CONLIN AVE	6/4/18	3100	3099	22689	8	VCP	295
SSS	E-6-3	1832 S GREENRIVER RD	6/4/18	3099	10105	22688	8	VCP	310
SSS	E-6-3	1615 HICKS DR	6/4/18	282950	282951	29540	8	PVC	172
SSS	E-6-3	1717 HICKS DR	6/4/18	10051	282952	5595	8	RPM	364
SSS	E-6-3	2023 HICKS DRIVE	6/4/18	10037	281271	23403	10	VCP	121
SSS	E-6-3	1717 HICKS DR	6/4/18	282951	282952	29539	8	PVC	402
SSS	E-6-3	2024 HICKS DR	6/4/18	281272	281271	26845	8	RPM	243
SSS	E-6-3	2001 HICKS DR	6/5/18	281271	10034	26843	10	VCP	203
SSS	E-6-3	1755 HICKS DR	6/5/18	282952	282953	29537	8	PVC	94
SSS	E-6-3	1755 HICKS DR	6/5/18	282953	282954	29536	8	PVC	19
SSS	E-6-3	1913 HICKS RD	6/5/18	10034	10035	23402	10	VCP	329
SSS	E-6-3	1769 HICKS DR	6/5/18	10035	10036	23401	10	VCP	335
SSS	E-6-3	1755 HICKS DR	6/5/18	10036	282954	23404	10	VCP	265
SSS	E-6-3	4023 COVERT AVE	6/5/18	10033	2943	23406	10	VCP	330
SSS	E-6-3	1925 BURDETTE AVE	6/5/18	CO	10045	29554	8	RPM	166
SSS	E-6-3	1650 BURDETTE AVE	6/5/18	10056	10057	5583	8	RPM	238
SSS	E-6-3	1660 BURDETTE AVE	6/5/18	10057	3022	5582	8	RPM	211
SSS	E-6-3	1901 BURDETTE AVE	6/5/18	10045	10046	5580	8	RPM	228

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-3	1842 BURDETTE AVE	6/5/18	10046	10047	5579	8	RPM	27
SSS	E-6-3	1914 BURDETTE AVE	6/5/18	10044	10047	5578	8	RPM	323
SSS	E-6-3	1816 BURDETTE AVE	6/5/18	10048	10049	5576	8	RPM	300
SSS	E-6-3	1710 BURDETTE AVE	6/5/18	10049	10050	5575	8	RPM	302
SSS	E-6-3	1660 BURDETTE AVE	6/5/18	3022	10050	5574	8	RPM	263
SSS	W-8-5	5200 N FOURTH AVE	6/6/18	9300	122404	11776	10	VCP	109
SSS	W-8-5	5206 BERRY LN	6/6/18	122399	9301	11779	8	VCP	248
SSS	W-8-5	1007 CROSS GATE DR	6/6/18	9298	9297	21868	8	VCP	21
SSS	E-6-3	4520 OMER PLACE	6/6/18	10075	10074	23039	8	VCP	419
SSS	E-6-3	4508 SWEETSER AVE	6/6/18	10074	10073	23038	8	VCP	216
SSS	E-6-3	4813 OMER PLACE	6/6/18	10077	10076	22677	8	VCP	336
SSS	E-6-3	4508 SWEETSER AVE	6/6/18	10076	10073	22676	8	VCP	407
SSS	E-6-3	4508 SWEETSER AVE	6/6/18	AEP	10073	23037	8	VCP	183
SSS	E-6-3	4515 OMER PLACE	6/6/18	10073	10071	22675	10	VCP	176
SSS	E-6-3	1709 S KENMORE DR	6/6/18	AEP	10071	22674	8	VCP	190
SSS	E-6-3	4608 CONLIN AVE	6/6/18	10078	10079	22672	8	VCP	268
SSS	E-6-3	4601 OMER PLACE	6/6/18	10079	283616	30151	8	VCP	172
SSS	E-6-3	1832 S GREENRIVER RD	6/6/18	10104	10105	22703	12	RCP	342
SSS	W-8-3	4312 MEADOWRIDGE RD	6/7/18	9480	281150	11624	8	VCP	304
SSS	E-6-3	1765 S KENMORE	6/7/18	10071	10081	22673	10	VCP	310
SSS	E-6-3	4554 CONLIN AVE	6/7/18	283616	10080	22671	8	VCP	187
SSS	E-6-3	4512 S KENMORE	6/7/18	10080	10081	22670	8	VCP	361
SSS	E-6-3	4701 CONLIN AVE	6/7/18	CO	10083	22663	8	VCP	115
SSS	E-6-3	4613 CONLIN AVE	6/7/18	CO	10084	22607	8	VCP	132
SSS	E-6-3	2022 EUCLID DR	6/7/18	10088	10092	22666	8	VCP	382
SSS	E-6-3	2023 EUCLID AVE	6/7/18	10092	10091	22694	8	VCP	165
SSS	E-6-3	2013 S KENMORE	6/7/18	10090	10087	22665	8	VCP	442
SSS	E-6-3	1909 KENMORE DR	6/7/18	10081	10087	22669	10	VCP	353
SSS	E-6-3	4900 SWEETSER AVE	6/7/18	3041	3040	22687	8	VCP	321
SSS	E-6-3	1910 POLSTER DR	6/7/18	10084	283617	30152	8	VCP	164
SSS	E-6-3	4700 POLSTER DR	6/7/18	10083	10084	22608	8	VCP	155
SSS	E-6-3	1921 EUCLID DR	6/7/18	283617	10086	22606	8	VCP	254
SSS	E-6-3	1921 EUCLID DR	6/7/18	10087	10086	22664	10	VCP	296
SSS	E-6-3	1760 S GREENRIVER RD	6/7/18	3040	10106	22686	8	VCP	309
SSS	E-6-3	2001 EUCLID DR	6/8/18	10086	10089	22605	10	VCP	229
SSS	E-6-3	2031 EUCLID DR	6/8/18	10091	10094	22693	10	VCP	187

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-3	2031 EUCLID DR	6/8/18	10089	10091	22604	10	VCP	282
SSS	W-8-5	4914 N FOURTH AVE	6/11/18	9282	9283	11773	8	VCP	155
SSS	W-8-5	1143 SHEFFIELD DR	6/11/18	9283	9284	11774	8	VCP	405
SSS	W-8-5	1114 CROSS GATE DR	6/11/18	9286	9284	11782	15	VCP	137
SSS	W-8-5	1113 W HEERDINK AVE	6/11/18	284165	9289	12825	8	VCP	218
SSS	W-8-5	5001 N FULTON AVE	6/11/18	9285	9286	24941	15	RCP	95
SSS	W-8-5	1113 W HEERDINK AVE	6/11/18	9272	284165	30807	8	VCP	178
SSS	E-6-3	1730 GREENRIVER RD	6/11/18	70156	70157	6664	8	RPM	379
SSS	E-6-3	1730 GREENRIVER RD	6/11/18	10106	70157	15021	12	RCP	339
SSS	E-6-3	1826 BURDETTE AVE	6/12/18	10047	10048	5577	8	RPM	326
SSS	E-6-3	1922 S GREENRIVER RD	6/12/18	10103	10104	22702	12	RCP	355
SSS	E-6-3	1800 GREENRIVER RD	6/12/18	10105	10106	22704	12	RCP	329
SSS	E-6-3	GREENRIVER RD & COVERT AVE	6/13/18	70144	3829	15091	12	RCP	403
SSS	E-6-3	1720 S GREENRIVER RD	6/13/18	70157	10107	15025	12	RCP	184
SSS	E-6-3	1620 GREENRIVER RD	6/13/18	10107	70144	15022	12	RCP	367
SSS	E-6-2	2012 VANN AVE	6/13/18	9923	9924	5561	8	VCP	313
SSS	E-6-2	1750 VANN AVE	6/13/18	9986	9989	6123	8	VCP	334
SSS	E-6-2	1924 VANN AVE	6/13/18	284166	9928	6097	8	VCP	112
SSS	E-6-2	1924 VANN AVE	6/13/18	9924	284166	30808	8	VCP	243
SSS	E-6-2	1800 VANN AVE	6/13/18	9989	9935	6122	8	VCP	308
SSS	E-6-2	1900 VANN AVE	6/14/18	9928	9933	6090	10	VCP	453
SSS	E-6-2	1730 DIANNE AVE	6/14/18	AEP	2764	6103	8	VCP	133
SSS	E-6-2	1750 DIANNE AVE	6/14/18	2764	2765	6102	8	VCP	225
SSS	E-6-2	3310 CONLIN AVE	6/14/18	9933	9931	15014	12	VCP	329
SSS	E-6-2	1918 DIANNE AVE	6/14/18	99693	9932	11477	8	VCP	267
SSS	E-6-2	3310 CONLIN AVE	6/14/18	9932	9931	6089	8	VCP	299
SSS	E-6-2	3213 SWEETSER AVE	6/14/18	9935	9936	6100	8	VCP	168
SSS	E-6-2	2010 S WALNUT LN	6/14/18	AEP	9926	6088	8	VCP	76
SSS	E-6-2	3213 SWEETSER AVE	6/15/18	9934	9936	6098	8	VCP	256
SSS	E-6-2	3219 SWEETSER AVE	6/15/18	9936	9937	6099	10	VCP	170
SSS	E-6-2	2011 S LOMBARD AVE	6/15/18	AEP	9926	6087	8	VCP	72
SSS	E-6-2	1926 S WALNUT LN	6/15/18	9926	9927	6086	8	VCP	390
SSS	E-6-2	2011 JOYCE AVE	6/15/18	AEP	99669	11372	8	VCP	81
SSS	E-6-2	1933 JOYCE AVE	6/15/18	99669	9962	11371	8	VCP	390
SSS	E-6-2	3500 SWEETSER AVE	6/15/18	2768	9939	22322	8	VCP	268
SSS	E-6-2	1901 JOYCE AVE	6/15/18	9962	9963	11370	8	VCP	410

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-2	1900 S WALNUT	6/15/18	9927	9929	6085	8	VCP	412
SSS	E-6-2	1771 DIANNE AVE	6/15/18	2765	9937	6101	8	VCP	288
SSS	E-6-2	2020 JOYCE AVE	6/15/18	AEP	10009	24532	8	RCP	88
SSS	E-6-2	2020 JOYCE AVE	6/15/18	AEP	10009	6118	8	RCP	88
SSS	E-6-2	1725 S WALNUT LN	6/18/18	282987	283062	29647	8	PVC	284
SSS	E-6-2	3624 POLLACK AVE	6/18/18	10009	9961	24548	8	VCP	156
SSS	E-6-2	1931 CAROL DR	6/18/18	9961	9960	24531	8	RCP	175
SSS	E-6-2	3401 SWEETSER AVE	6/18/18	9937	9938	6104	10	VCP	321
SSS	E-6-2	1923 CAROL DR	6/18/18	9960	9959	24530	8	RCP	193
SSS	E-6-2	3611 CONLIN AVE	6/18/18	9959	9958	24529	8	RCP	248
SSS	E-6-2	1625 S WALNUT LN	6/18/18	283062	282986	29574	8	PVC	408
SSS	E-6-2	1625 S WALNUT LN	6/18/18	282986	281877	29573	8	CAS	18
SSS	E-6-2	3401 SWEETSER AVE	6/18/18	9939	9938	6114	8	VCP	349
SSS	E-6-2	1949 DALEHAVEN DR	6/18/18	10008	10010	24547	8	RCP	319
SSS	E-6-2	3315 SWEETSER AVE	6/18/18	9930	9938	15016	12	VCP	330
SSS	E-6-2	3513 RIDGEWAY AVE	6/18/18	CO	9943	22321	8	RPM	77
SSS	E-6-2	1922 CAROL DR	6/18/18	10010	69712	24528	8	RCP	307
SSS	E-6-2	3412 SWEETSER AVE	6/18/18	CO	99668	22329	8	RPM	66
SSS	E-6-2	3413 RIDGEWAY AVE	6/18/18	CO	99668	22328	8	RPM	71
SSS	E-6-2	1901 S WALNUT LN	6/18/18	9931	9930	15013	12	VCP	164
SSS	E-6-2	1900 S WALNUT LN	6/18/18	9929	9930	15012	12	VCP	169
SSS	E-6-2	3413 RIDGEWAY AVE	6/19/18	9943	99668	22327	8	RPM	392
SSS	E-6-2	1717 JOYCE AVE	6/19/18	CO	2766	22320	8	RPM	63
SSS	E-6-2	1716 S WALNUT LN	6/19/18	CO	2767	22319	8	RPM	71
SSS	E-6-2	1708 S WALNUT LN	6/19/18	CO	2767	22318	8	RPM	73
SSS	E-6-2	3412 RIDGEWAY AVE	6/19/18	2766	2767	22317	8	RPM	394
SSS	E-6-2	1625 JOYCE AVE	6/19/18	AEP	281879	28444	8	RPM	134
SSS	E-6-2	1624 S WALNUT LN	6/19/18	CO	281878	28447	8	RPM	61
SSS	E-6-2	1125 LOMBARD AVE	6/19/18	3294	3293	5173	8	RCP	358
SSS	E-6-2	3405 WAGGONER AVE	6/19/18	281879	281878	28445	8	RPM	399
SSS	E-6-2	1900 CONLIN AVE	6/19/18	9963	9929	5564	10	VCP	340
SSS	E-6-2	1901 CONLIN AVE	6/19/18	AEP	9963	5563	8	VCP	81
SSS	W-8-1	634 CROSSVALLEY CIR	6/20/18	9134	9135	6515	8	RPM	84
SSS	W-8-5	1023 W MILL RD	6/20/18	3810	3811	11768	8	VCP	300
SSS	W-8-5	1140 SHEFFIELD DR	6/20/18	9384	9287	11791	15	RCP	401
SSS	W-8-5	1124 SHEFFIELD DR	6/20/18	9289	9287	12826	8	VCP	412

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-8-5	1144 SHEFFIELD DR	6/20/18	9287	9288	15482	15	VCP	82
SSS	W-8-1	3316 SHERIDAN RD	6/20/18	4064	4061	24110	8	VCP	236
SSS	E-6-2	1770 S WALNUT LN	6/20/18	9938	9942	15385	12	VCP	174
SSS	E-6-2	1630 S WALNUT LN	6/20/18	9979	9978	15017	12	VCP	214
SSS	E-6-2	1770 S WALNUT LN	6/20/18	99668	9942	22326	8	RPM	147
SSS	E-6-2	1724 S WALNUT LN	6/20/18	9942	9980	15386	12	VCP	184
SSS	E-6-2	1124 S LOMBARD AVE	6/20/18	3293	3292	5175	8	VCP	106
SSS	E-6-2	1716 S WALNUT LN	6/20/18	9980	9979	15015	12	VCP	131
SSS	E-6-2	1624 S WALNUT LN	6/20/18	281878	281877	28446	8	RPM	143
SSS	E-6-2	1716 S WALNUT LN	6/20/18	2767	9979	22316	8	RPM	147
SSS	E-6-2	3701 CAROL DR	6/20/18	69712	69709	24527	8	RCP	300
SSS	E-6-2	3701 CONLIN AVE	6/20/18	9958	69709	24550	12	RCP	338
SSS	E-6-2	1820 DALEHAVEN DR	6/20/18	69709	69707	24551	12	RCP	166
SSS	E-6-2	1624 S WALNUT LN	6/20/18	9978	281877	28443	12	VCP	104
SSS	E-6-2	3500 WAGGONER AVE	6/20/18	9983	9982	6109	10	VCP	207
SSS	E-6-2	3412 WAGGONER AVE	6/20/18	9982	9981	6108	10	VCP	206
SSS	E-6-2	3717 SWEETSER AVE	6/20/18	9949	9947	20658	8	RCP	613
SSS	E-6-2	3701 RIDGEWAY AVE	6/20/18	284171	9945	24533	8	RCP	234
SSS	E-6-2	3701 RIDGEWAY AVE	6/20/18	9944	284171	30815	8	RCP	48
SSS	E-6-2	3712 SWEETSER AVE	6/20/18	9945	14283	24536	8	RCP	143
SSS	E-6-2	3713 RIDGEWAY AVE	6/20/18	CO	14283	6119	8	RPM	82
SSS	E-6-2	1761 DALEHAVEN DR	6/20/18	14283	9946	24546	8	RCP	138
SSS	E-6-2	1950 DALEHAVEN DR	6/20/18	10007	10011	24549	8	RCP	305
SSS	E-6-2	1922 DALEHAVEN DR	6/20/18	10011	69711	24541	8	RCP	308
SSS	E-6-2	1900 DALEHAVEN DR	6/20/18	69711	69707	24540	8	RCP	307
SSS	E-6-2	3712 RIDGEWAY AVE	6/20/18	69705	69706	24537	8	RPM	260
SSS	E-6-2	3713 CASS AVE	6/20/18	CO	69706	24538	8	RPM	70
SSS	E-6-2	1715 DALEHAVEN DR	6/20/18	CO	69706	24539	8	RPM	76
SSS	E-6-2	1709 DALEHAVEN DR	6/20/18	69706	9950	24545	8	RPM	135
SSS	E-6-2	3420 MONROE AVE	6/20/18	3716	3719	15006	8	VCP	534
SSS	E-6-2	3420 MONROE AVE	6/20/18	3717	3719	15007	8	VCP	539
SSS	E-6-2	1810 DALEHAVEN DR	6/20/18	69707	9947	24555	12	RCP	167
SSS	W-8-1	3216 STRATFORD RD	6/21/18	8980	8979	16381	12	VCP	156
SSS	E-6-2	3400 WAGGONER AVE	6/21/18	9981	9976	6107	10	VCP	212
SSS	E-6-2	3317 WAGGONER AVE	6/21/18	281877	9976	15018	12	VCP	167
SSS	E-6-2	3316 WAGGONER AVE	6/21/18	9976	9975	6110	10	VCP	162

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-2	3607 WAGGONER AVE	6/21/18	9953	282935	29518	8	RCP	59
SSS	E-6-2	3300 WAGGONER AVE	6/21/18	9975	9974	6111	10	VCP	184
SSS	E-6-2	3208 WAGGONER AVE	6/21/18	9974	9973	6112	10	VCP	163
SSS	E-6-2	3200 WAGGONER AVE	6/21/18	9973	9972	23068	10	VCP	166
SSS	E-6-2	1715 VANN AVE	6/21/18	9988	69351	23070	8	VCP	329
SSS	E-6-2	3700 CASS AVE	6/21/18	282935	9952	24534	8	RCP	228
SSS	E-6-2	3721 WAGGONER AVE	6/21/18	9952	282411	28981	8	RCP	146
SSS	E-6-2	1667 DALEHAVEN DR	6/21/18	282411	9951	24543	8	RCP	137
SSS	E-6-2	3720 WAGGONER AVE	6/21/18	10029	10030	24544	8	RCP	280
SSS	E-6-2	3700 WAGGONER AVE	6/21/18	10028	10029	24535	8	VCP	285
SSS	E-6-2	3400 WAGGONER AVE	6/22/18	9976	9977	15019	12	VCP	155
SSS	E-6-2	1667 DALEHAVEN DR	6/22/18	9950	9951	15024	12	RCP	328
SSS	E-6-2	1610 DALEHAVEN DR	6/22/18	9951	10030	24553	12	RCP	320
SSS	W-8-8	5610 KRATZVILLE RD	6/25/18	AEP	283922	30735	8	PVC	26
SSS	E-6-2	1659 VANN AVE	6/25/18	69351	9987	23072	8	VCP	389
SSS	E-6-2	1651 VANN AVE	6/25/18	9987	9972	23069	8	VCP	152
CSS	E-6-2	3115 COVERT AVE	6/25/18	9972	3420	23071	10	VCP	329
SSS	E-6-2	3430 MONROE AVE	6/25/18	3719	3718	15005	8	VCP	457
SSS	E-6-2	1766 DALEHAVEN DR	6/25/18	9947	9946	24552	12	RCP	327
SSS	E-6-2	1714 DALEHAVEN DR	6/25/18	9946	9950	24554	12	RCP	323
SSS	E-6-2	3801 COVERT AVE	6/26/18	10030	2940	24556	12	RCP	184
SSS	E-6-2	3300 COVERT AVE	6/26/18	9977	9991	15020	12	VCP	183
SSS	E-6-2	3401 COVERT AVE	6/26/18	9984	284185	6105	8	VCP	561
SSS	E-6-2	3430 TAYLOR AVE	6/26/18	172571	172570	24589	8	RPM	132
SSS	E-6-2	3430 MONROE AVE	6/26/18	3718	3722	15004	10	RCP	297
SSS	E-6-2	3430 TAYLOR AVE	6/27/18	3722	172570	24588	10	RCP	35
SSS	E-6-1	2217 POLLACK AVE	6/27/18	3711	3712	24351	8	VCP	246
SSS	E-6-1	2024 S PARKER DR	6/27/18	3712	3402	24353	8	RPM	80
SSS	E-6-1	2024 S PARKER DR	6/27/18	3403	3402	14517	8	RPM	226
SSS	E-6-2	1540 VANN AVE	6/27/18	3471	3472	15003	10	RCP	370
SSS	E-6-1	2020 S PARKER DR	6/27/18	3402	3404	14518	8	VCP	59
SSS	E-6-1	2004 S PARKER DR	6/27/18	3404	3397	5316	10	VCP	286
SSS	E-6-2	3430 TAYLOR AVE	6/27/18	172570	3471	24585	10	RCP	273
SSS	E-6-1	1916 S PARKER DR	6/27/18	3397	3398	7088	10	VCP	160
SSS	E-6-2	1540 COVERT AVE	6/27/18	3472	3473	15008	10	RCP	330
SSS	E-6-2	3309 COVERT AVE	6/27/18	3473	3474	6132	10	VCP	55

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-1	1909 S PARKER DR	6/27/18	3401	3399	7090	8	VCP	303
SSS	E-6-1	1917 S PARKER DR	6/27/18	3398	3399	7089	10	VCP	127
SSS	W-8-1	124 FAIRWAY DR	6/28/18	9484	4051	11410	8	VCP	155
SSS	E-6-1	1757 HAWTHORNE AVE	6/28/18	4028	4029	14619	10	VCP	293
SSS	E-6-1	2225 CONLIN AVE	6/28/18	AEP	3396	23297	10	VCP	200
SSS	E-6-1	1709 HAWTHORNE AVE	6/28/18	4029	4018	14620	10	VCP	281
SSS	E-6-1	2225 CONLIN AVE	6/28/18	3399	3396	7092	10	VCP	133
SSS	E-6-1	CONLIN AVE & S PARKER DR	6/28/18	3396	283019	29623	10	VCP	28
SSS	E-6-1	1817 S PARKER DR	6/28/18	283019	284178	7093	10	VCP	183
SSS	E-6-1	1817 S PARKER DR	6/28/18	284178	3394	30826	10	VCP	118
SSS	W-8-1	416 COLONIAL AVE	6/29/18	8951	8954	24119	8	VCP	242
SSS	W-8-1	424 COLONIAL AVE	6/29/18	8954	4124	24120	8	VCP	304
SSS	E-6-1	2619 BECKMAN AVE	6/29/18	2759	99627	11359	10	RPM	309
SSS	E-6-1	1725 EASTWOOD AVE	6/29/18	4013	4015	21479	8	VCP	308
SSS	E-6-1	1900 BROADMOORE AVE	6/29/18	3390	283017	24499	8	VCP	244
SSS	E-6-1	1820 BROADMOORE AVE	6/29/18	3391	3390	6525	8	VCP	274
SSS	E-6-1	1917 S TAFT AVE	6/29/18	3405	3406	6520	10	VCP	282
SSS	E-6-1	1900 BROADMOORE AVE	6/29/18	3406	283017	6521	10	VCP	292
SSS	E-6-1	1901 BROADMOOR AVE	6/29/18	283017	283018	29603	10	PVC	269
SSS	E-6-1	1901 BROADMOORE AVE	6/29/18	283040	283018	29622	8	PVC	17
SSS	E-6-1	1901 BROADMOOR AVE	6/29/18	CO	283040	23298	8	VCP	337
SSS	E-6-1	2225 CONLIN AVE	6/29/18	283018	283019	29604	10	PVC	203
SSS	E-6-1	1700 EASTWOOD AVE	6/29/18	4015	3981	21480	8	VCP	302
SSS	W-8-1	3800 WILLOWBEND DR	7/2/18	AEP	14403	11283	8	RPM	124
SSS	W-8-5	1137 W MILL RD	7/2/18	9288	3809	15485	15	VCP	398
SSS	W-8-1	3708 WILLOW BEND DR	7/2/18	14403	14404	24140	8	RPM	195
SSS	W-8-1	3707 WILLOW BEND DR	7/2/18	14406	14404	24144	8	RPM	125
SSS	W-8-1	3801 WILLOW CREEK DR	7/2/18	14405	14403	24145	8	RPM	124
SSS	W-8-1	3648 STRATFORD RD	7/2/18	4122	4124	24155	10	VCP	300
SSS	E-6-1	1721 EDSON AVE	7/2/18	4012	4014	21475	8	VCP	300
SSS	E-6-1	1700 BROADMOOR AVE	7/2/18	3411	3412	14525	8	VCP	586
SSS	E-6-1	1700 S FAIRLAWN AVE	7/2/18	3378	283010	6527	8	VCP	590
SSS	E-6-1	1701 EDSON AVE	7/2/18	4014	3982	21478	8	VCP	315
SSS	E-6-1	2613 CASS AVE	7/2/18	282068	3982	28620	8	RCP	231
SSS	W-8-5	816 W HEERDINK AVE	7/3/18	9274	9271	11785	8	VCP	404
SSS	W-8-5	921 W HEERDINK AVE	7/3/18	9273	9274	11786	8	VCP	268

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-8-5	4804 N FIRST AVE	7/3/18	9271	9270	15447	12	VCP	223
SSS	W-8-5	4816 N FIRST AVE	7/3/18	9278	9271	15486	12	VCP	218
SSS	W-8-1	3316 STRATFORD RD	7/3/18	8979	8977	16380	12	VCP	351
SSS	W-8-1	232 FAIRWAY DR	7/3/18	4125	8960	24125	8	VCP	358
SSS	W-8-1	3404 STRATFORD RD	7/3/18	8978	8977	24134	8	VCP	204
SSS	E-6-1	3014 GRAHAM AVE	7/3/18	CO	9882	6127	8	VCP	237
SSS	E-6-1	3026 GRAHAM AVE	7/3/18	AEP	9882	6126	8	VCP	72
SSS	E-6-11	7005 E RED WING DR	7/3/18	CO	CO	7620	8	VCP	84
SSS	W-8-5	1137 W MILL RD	7/5/18	3805	41104	15425	15	VCP	75
SSS	W-8-5	711 W MILL RD	7/5/18	3809	3805	15483	15	VCP	95
SSS	W-8-1	3108 SHERIDAN RD	7/5/18	9382	8976	24135	8	VCP	174
SSS	W-8-1	3005 SHERIDAN RD	7/5/18	9119	9116	24148	8	VCP	221
SSS	W-8-1	2906 MOCKINGBIRD LN	7/5/18	9118	9119	24149	8	VCP	130
SSS	W-8-1	3021 SHERIDAN RD	7/5/18	9116	4067	24151	8	VCP	172
SSS	W-8-1	3100 SHERIDAN RD	7/5/18	8982	8976	24152	12	RPM	311
SSS	W-8-1	3001 SHERIDAN RD	7/5/18	8981	8982	24153	12	VCP	317
SSS	W-8-1	3101 SHERIDAN RD	7/5/18	4069	4067	24154	8	VCP	243
SSS	W-8-1	3101 KENSINGTON AVE	7/5/18	4067	8976	26790	8	VCP	173
SSS	E-6-1	3108 GRAHAM AVE	7/5/18	CO	9886	6125	8	VCP	66
SSS	E-6-1	2012 S TAFT AVE	7/5/18	AEP	67495	6529	8	VCP	38
SSS	E-6-1	2012 S TAFT AVE	7/5/18	AEP	67495	6528	8	VCP	32
SSS	E-6-1	1901 S BOEKE RD	7/5/18	67495	282497	29055	8	VCP	515
SSS	E-6-1	1900 S TAFT AVE	7/5/18	282497	3407	6530	8	VCP	41
SSS	E-6-1	1767 S BOEKE RD	7/5/18	3407	281884	5558	8	VCP	616
SSS	E-6-1	2006 MCLEOD CT	7/5/18	9886	9885	12696	8	VCP	237
SSS	W-8-5	816 W HEERDINK AVE	7/6/18	9269	9270	11771	8	VCP	487
SSS	W-8-5	1125 W MILL RD	7/6/18	3798	3540	15471	15	RCP	16
SSS	W-8-5	1125 W MILL RD	7/6/18	3540	3541	15472	15	RCP	6
SSS	W-8-5	1137 W MILL RD	7/6/18	3800	3798	15489	15	RCP	55
SSS	W-8-5	819 W MILL RD	7/6/18	3794	3793	15605	12	RCP	299
SSS	W-8-5	918 W MILL RD	7/6/18	3792	3796	15606	12	RCP	166
SSS	W-8-5	918 W MILL RD	7/6/18	3796	3795	15607	12	RCP	321
SSS	W-8-5	815 W MILL RD	7/6/18	9270	3794	15612	12	RCP	419
SSS	W-8-5	911 W MILL RD	7/6/18	3792	3793	28623	8	PVC	97
SSS	E-6-1	1844 MCCONELL AVE	7/6/18	9878	2760	12690	8	VCP	61
SSS	E-6-1	1848 MCCONNELL AVE	7/6/18	9882	9883	12697	8	VCP	205

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-1	1801 S PARKER & SWEETSER AVE	7/6/18	3394	283016	6522	10	RCP	300
SSS	E-6-1	3019 SOUTHEAST BLVD	7/6/18	9885	9884	12695	8	VCP	144
SSS	E-6-1	3011 SOUTHEAST BLVD	7/6/18	9884	9883	12694	8	VCP	70
SSS	E-6-1	3001 SOUTHEAST BLVD	7/6/18	9883	9878	12693	8	VCP	130
SSS	E-6-1	1824 S FAIRLAWN AVE	7/6/18	67493	67494	22117	8	VCP	257
SSS	E-6-1	1801 S FAIRLAWN AVE	7/6/18	67494	283014	22118	8	VCP	274
SSS	E-6-1	1800 S FAIRLAWN AVE	7/6/18	283016	283015	29602	12	PVC	231
SSS	E-6-1	2606 CONLIN AVE	7/9/18	AEP	4004	21484	8	VCP	240
SSS	E-6-1	2620 CONLIN AVE	7/9/18	4004	4008	21483	8	VCP	315
SSS	E-6-1	1754 S ALVORD BLVD	7/9/18	CO	3369	6536	8	VCP	154
SSS	E-6-1	1701 S FAIRLAWN AVE	7/9/18	3369	283008	6537	8	VCP	414
SSS	E-6-1	2614 HELMUTH AVE	7/9/18	4005	4006	24002	8	VCP	286
SSS	E-6-1	1661 S TAFT AVE	7/9/18	283020	283021	29605	8	PVC	248
SSS	E-6-1	1700 S FAIRLAWN AVE	7/9/18	283008	283009	29594	8	PVC	136
SSS	E-6-1	1621 S TAFT AVE	7/9/18	283022	283021	29607	8	PVC	223
SSS	E-6-1	1641 S TAFT AVE	7/9/18	283021	3364	29606	8	PVC	27
SSS	E-6-1	1762 S PARKER DR	7/9/18	281885	3410	28454	8	VCP	113
SSS	E-6-1	1660 S TAFT AVE	7/9/18	CO	3364	12692	8	VCP	225
SSS	E-6-1	1700 S PARKER DR	7/9/18	283029	283012	29614	12	PVC	148
SSS	E-6-1	1700 S PARKER DR	7/9/18	283030	283029	29615	10	PVC	15
SSS	W-8-5	1121 W MILL RD	7/10/18	3795	3797	15615	12	RCP	355
SSS	W-8-5	W MILL RD AND MILLBROOK LN	7/10/18	3797	3540	15616	12	RCP	403
SSS	W-8-1	3708 WILLOW BEND RD	7/10/18	14404	14402	24101	8	RPM	89
SSS	W-8-1	224 SHERIDAN RD	7/10/18	4053	4051	24105	8	VCP	311
SSS	W-8-1	3316 STRATFORD RD	7/10/18	4060	8977	24139	8	VCP	265
SSS	W-8-1	240 SHERIDAN RD	7/10/18	14402	14407	24141	8	RPM	190
SSS	W-8-1	239 SHERIDAN RD	7/10/18	14407	4053	24142	8	VCP	147
SSS	W-8-1	240 SHERIDAN RD	7/10/18	4050	14407	24143	8	VCP	153
SSS	W-8-1	3740 WILLOW BEND DR	7/10/18	CO	14405	26787	8	RPM	19
SSS	W-8-1	3727 WILLOW BEND RD	7/10/18	AEP	14406	26788	8	RPM	80
SSS	E-6-1	1701 S TAFT AVE	7/10/18	284180	3412	30830	10	VCP	131
SSS	E-6-1	1700 S PARKER DR	7/10/18	3410	283029	6531	8	VCP	580
SSS	E-6-1	1701 BROADMOOR AVE	7/10/18	3412	283029	6523	10	VCP	289
SSS	E-6-1	3001 SOUTHEAST BLVD	7/10/18	9888	2761	21505	8	VCP	310
SSS	E-6-1	1825 BROADMOOR AVE	7/10/18	CO	3395	23296	10	VCP	105
SSS	E-6-1	1801 BROADMOOR AVE	7/10/18	3395	281885	28453	8	VCP	405

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-1	1701 S TAFT AVE	7/10/18	3413	284180	5555	10	VCP	136
SSS	E-6-1	1767 S BOEKE RD	7/10/18	281884	3409	28452	8	VCP	97
SSS	E-6-1	1701 S BOEKE RD	7/10/18	3409	3413	5559	8	VCP	578
SSS	E-6-1	1611 S TAFT AVE	7/10/18	3364	3365	12691	12	VCP	269
SSS	E-6-1	3000 SOUTHEAST BLVD	7/10/18	2761	2762	21504	12	VCP	52
SSS	E-6-1	1813 MCCONNELL AVE	7/10/18	2762	69341	21516	12	VCP	203
SSS	E-6-1	2900 POLLACK AVE	7/10/18	9919	2692	6124	8	VCP	402
SSS	E-6-1	3023 GRAHAM AVE	7/10/18	2692	284213	7921	8	VCP	13
SSS	E-6-1	2823 SWEETSER AVE	7/10/18	CO	283993	6648	8	VCP	61
SSS	E-6-1	2800 HAWTHORNE AVE	7/10/18	4030	283993	30587	8	VCP	201
SSS	E-6-1	2722 POLLACK AVE	7/10/18	9917	9916	7690	8	VCP	365
SSS	E-6-1	2722 POLLACK AVE	7/10/18	CO	9916	21518	8	VCP	228
SSS	W-8-1	3616 STRATFORD RD	7/11/18	4124	8957	24113	10	VCP	852
SSS	W-8-1	232 FAIRWAY DR	7/11/18	4051	8960	24138	8	VCP	295
SSS	E-6-1	2565 GRAHAM AVE.	7/11/18	CO	3994	23483	8	VCP	403
SSS	E-6-1	2501 GRAHAM AVE.	7/11/18	3994	3987	14740	8	VCP	142
SSS	E-6-1	2425 GRAHAM AVE.	7/11/18	3987	3986	14739	8	VCP	318
SSS	E-6-1	2000 EDSON AVE	7/11/18	3992	284074	24006	8	VCP	176
SSS	W-8-1	3416 FAIRWAY DR	7/12/18	8957	8958	11416	10	VCP	269
SSS	W-8-1	3308 TREMONT RD	7/12/18	8963	8964	15387	15	VCP	377
SSS	W-8-1	3409 KENSINGTON AVE	7/12/18	8969	8970	16378	8	PVC	207
SSS	W-8-1	3417 FAIRWAY DR	7/12/18	8960	8957	24126	8	VCP	268
SSS	E-6-1	1801 MCCONNELL AVE	7/12/18	69341	69340	21515	12	VCP	227
SSS	E-6-1	2701 GRAHAM AVE	7/12/18	282409	99633	24004	8	VCP	203
SSS	E-6-1	2413 HELMUTH AVE.	7/12/18	284074	284170	14536	10	VCP	285
SSS	E-6-1	2413 HELMUTH AVE.	7/12/18	284170	3990	30814	10	VCP	150
SSS	E-6-1	2004 S BOEKE RD.	7/12/18	3990	3989	14535	10	VCP	134
SSS	E-6-1	2409 HELMUTH AVE	7/12/18	3988	3989	14534	10	VCP	148
SSS	E-6-1	2910 GRAHAM AVE	7/12/18	CO	9879	12686	8	VCP	230
SSS	E-6-1	2408 HELMUTH AVE	7/12/18	3989	3997	14538	10	VCP	240
SSS	E-6-1	2910 GRAHAM AVE	7/12/18	AEP	9879	12687	8	VCP	44
SSS	E-6-1	1908 HAWTHORNE AVE	7/12/18	9879	9880	12685	8	VCP	55
SSS	E-6-1	2511 CONLIN AVE	7/12/18	7621	3995	9021	8	RPM	104
SSS	W-8-1	3401 N FIRST AVE	7/13/18	96916	9031	11433	8	PVC	90
SSS	W-8-1	3301 N FIRST AVE	7/13/18	9151	9032	11435	8	VCP	37
SSS	W-8-1	701 FAIRWAY DR	7/13/18	96917	96916	11438	8	VCP	272

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-8-1	510 TREMONT RD	7/13/18	8958	8962	15389	12	VCP	215
SSS	W-8-1	510 FAIRWAY DR	7/13/18	8962	8963	15390	12	VCP	36
SSS	W-8-1	3101 SHERIDAN RD	7/13/18	8976	8972	24133	12	VCP	182
SSS	E-6-1	1844 HAWTHRONE AVE	7/13/18	9880	9881	12684	8	VCP	268
SSS	E-6-1	2809 SOUTHEAST BLVD	7/13/18	9881	9877	12683	8	VCP	173
SSS	E-6-1	2809 SOUTHEAST BLVD	7/13/18	2760	9877	12689	8	VCP	394
SSS	E-6-1	1828 HAWTHRONE AVE	7/13/18	9877	9876	12682	10	VCP	42
SSS	E-6-1	2801 HAWTHORNE AVE	7/13/18	9876	9875	12681	10	VCP	111
SSS	E-6-1	2801 HAWTHRONE AVE	7/13/18	9874	9875	6647	8	VCP	139
SSS	E-6-1	2411 CONLIN AVE	7/13/18	3995	3996	14540	10	VCP	330
SSS	E-6-1	2408 HELMUTH AVE	7/13/18	3996	3997	14539	10	VCP	167
SSS	E-6-1	2408 HELMUTH AVE	7/13/18	3997	3998	16611	12	VCP	151
SSS	E-6-1	1821 STEVENS AVE	7/16/18	3998	4001	16613	12	VCP	134
SSS	E-6-1	1821 STEVENS AVE	7/16/18	CO	4001	14541	8	VCP	58
SSS	E-6-1	1808 S BOEKE RD	7/16/18	4001	4002	16614	12	VCP	264
SSS	E-6-1	1774 S BOEKE RD	7/16/18	4002	3978	16615	12	VCP	167
SSS	E-6-1	1901 HAWTHORNE AVE	7/16/18	282948	4006	7689	8	VCP	215
SSS	E-6-1	2626 HELMOUTH AVE	7/16/18	4006	4007	6658	8	VCP	225
SSS	E-6-1	2627 CONLIN AVE	7/16/18	4007	4008	6657	8	VCP	149
SSS	E-6-1	1827 HAWTHORNE AVE	7/16/18	4008	39819	6656	8	VCP	59
SSS	E-6-1	2001 HAWTHORNE AVE	7/16/18	99633	9914	24005	8	VCP	90
SSS	E-6-1	1821 HAWTHORNE AVE	7/16/18	9875	4009	6649	10	VCP	400
SSS	E-6-1	2610 SWEETSER AVE	7/16/18	4009	4010	11363	10	VCP	122
SSS	E-6-1	2610 SWEETSER AVE	7/16/18	99627	4010	16367	10	RPM	289
SSS	E-6-1	SWEETSER AVE AND EDSON AVE	7/16/18	4010	4011	11362	10	VCP	371
SSS	E-6-1	2001 HAWTHRONE AVE	7/16/18	9915	282949	11364	8	VCP	282
SSS	E-6-1	2911 GRAHAM AVE	7/16/18	9916	9915	7688	8	VCP	158
SSS	E-6-1	2405 GRAHAM AVE	7/16/18	3986	3988	14532	10	VCP	103
SSS	E-6-1	1921 HAWTHRONE AVE	7/16/18	282949	AWW	29529	8	PVC	36
SSS	E-6-1	2626 CONLIN AVE	7/16/18	39819	4009	6655	8	VCP	231
SSS	E-6-1	1771 EASTWOOD AVE	7/17/18	4011	3980	11361	10	VCP	475
SSS	E-6-1	2457 SWEETSER AVE	7/17/18	CO	3985	14544	8	VCP	138
SSS	E-6-1	2457 SWEETSER AVE	7/17/18	3985	3984	14543	10	VCP	65
SSS	E-6-1	2457 SWEETSER AVE	7/17/18	CO	3985	14545	8	VCP	156
SSS	E-6-1	2457 SWEETSER AVE	7/17/18	3980	3979	6654	10	VCP	18
SSS	E-6-1	2457 SWEETSER AVE	7/17/18	3984	3979	14542	10	VCP	135

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-1	1611 COVERT AVE	7/18/18	282997	282995	29585	15	PVC	229
SSS	E-6-1	1671 BROADMORE AVE	7/18/18	283023	283024	29608	8	PVC	139
SSS	E-6-1	1611 BROADMORE AVE	7/18/18	283025	283026	29610	8	PVC	27
SSS	E-6-1	2812 SWEETSER AVE	7/18/18	CO	99626	29137	8	RPM	148
SSS	E-6-1	2922 SWEETSER AVE	7/18/18	99626	69343	14551	8	VCP	269
CSS	E-6-1	1601 S TAFT AVE	7/18/18	3365	282995	12756	10	VCP	32
SSS	E-6-1	1800 MCCONNELL AVE	7/18/18	69342	69340	21506	10	VCP	367
SSS	E-6-1	2922 SWEETSER AVE	7/18/18	69340	69343	21508	12	VCP	134
SSS	E-6-1	SWEETSER AVE AND STEVENS AVE	7/18/18	3978	3977	16616	12	VCP	106
SSS	E-6-1	SWEETSER AVE AND STEVENS AVE	7/18/18	3979	3977	6653	10	VCP	161
SSS	E-6-1	1631 BROADMORE AVE	7/18/18	283024	283025	29609	8	PVC	278
SSS	W-8-2	3301 N FIRST AVE	7/19/18	9034	9152	23003	15	RCP	59
SSS	W-8-2	3301 N FIRST AVE	7/19/18	8993	9034	23004	15	RCP	272
SSS	W-8-1	3316 SHERIDAN RD	7/19/18	4061	4060	24107	8	VCP	127
SSS	W-8-1	3105 KENSINGTON AVE	7/19/18	8972	8975	24132	12	VCP	302
SSS	W-8-1	3119 N FIRST AVE	7/19/18	9152	281871	28438	15	RCP	7
SSS	E-6-1	1725 MCCONNELL AVE	7/19/18	69343	37162	21507	12	VCP	186
CSS	E-6-1	1701 MCCONNELL AVE	7/19/18	37162	4022	21511	12	VCP	344
CSS	E-6-1	2816 CASS AVE	7/19/18	4018	4021	14617	12	VCP	252
SSS	E-6-1	1650 BROADMORE AVE	7/19/18	3361	3362	12626	8	VCP	268
SSS	E-6-1	1610 BROADMORE AVE	7/19/18	3362	283026	12680	8	VCP	170
SSS	E-6-1	1610 BROADMORE AVE	7/19/18	283026	67497	30833	8	VCP	100
CSS	E-6-1	2301 COVERT AVE	7/19/18	67497	282996	12757	12	PVC	34
SSS	E-6-1	1700 STEVENS AVE	7/20/18	282990	282989	29577	8	PVC	158
SSS	E-6-1	1757 SEVENS AVE	7/20/18	3977	281882	23728	15	VCP	149
SSS	E-6-1	1717 STEVENS AVE	7/20/18	281882	3976	28451	15	VCP	191
CSS	E-6-1	1700 STEVENS AVE	7/20/18	3976	282989	23729	15	VCP	328
SSS	E-6-1	1650 S PARKER	7/20/18	283004	282993	29591	15	PVC	181
SSS	E-6-1	1650 KOCH AVE	7/20/18	283003	283004	29590	15	PVC	161
SSS	E-6-1	1651 KOCH AVE	7/20/18	283002	283003	29589	15	PVC	157
SSS	E-6-1	1650 KOCH AVE	7/20/18	283039	283003	23178	15	VCP	297
SSS	E-6-1	1650 KOCH AVE	7/20/18	AEP	283004	14528	8	VCP	90
SSS	E-6-1	1650 KOCH AVE	7/20/18	AEP	283004	12623	8	VCP	134
CSS	E-6-1	1663 STEVENS AVE	7/20/18	282989	3975	29576	15	VCP	13
SSS	E-6-1	2250 S PARKER DR	7/20/18	3360	283030	14530	8	VCP	277
CSS	E-6-1	1613 S PARKER	7/23/18	283037	283038	29620	12	RCP	263

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	E-6-1	2251 SOUTH PARKER	7/23/18	283038	ATC	29621	12	RCP	29
CSS	E-6-1	1605 KOCH	7/23/18	283041	3272	22859	15	VCP	303
SSS	E-6-2	2016 S LOMBARD AVE	7/24/18	AEP	284169	11373	8	VCP	73
SSS	E-6-2	2010 S LOMBARD AVE	7/24/18	284169	99669	30811	8	VCP	10
SSS	W-8-1	3401 KENSINGTON AVE	7/25/18	8977	8970	16379	12	VCP	251
SSS	E-6-2	3606 SWEETSER AVE	7/25/18	CO	284171	30816	8	RPM	83
SSS	W-8-1	3205 KENSINGTON AVE	7/30/18	8975	8970	24129	12	VCP	390
SSS	W-8-1	3308 TREMONT RD	7/30/18	8970	8964	26789	15	VCP	383
SSS	W-8-1	3208 TREMONT RD	7/31/18	8966	8961	11417	8	VCP	265
SSS	W-8-1	3116 TREMONT RD	7/31/18	8967	8966	11418	8	VCP	194
SSS	W-8-1	3100 TREMONT RD	7/31/18	8968	8967	11421	8	VCP	186
SSS	W-8-1	3300 TREMONT RD	7/31/18	8964	8961	15388	15	VCP	95
SSS	W-8-3	4400 N FIRST AVE	8/1/18	3770	3769	15427	12	VCP	296
SSS	W-8-3	4550 N FIRST AVE	8/1/18	3771	3770	15428	12	VCP	355
SSS	W-8-3	4650 N FIRST AVE	8/1/18	3723	3771	15609	12	VCP	287
SSS	W-8-3	4650 N FIRST AVE	8/1/18	283620	283085	29675	8	VCP	62
SSS	W-8-3	4550 N FIRST AVE	8/1/18	283085	283086	29676	8	VCP	455
SSS	W-8-3	4400 N FIRST AVE	8/1/18	283086	283087	29677	8	VCP	473
SSS	W-8-3	4320 N FIRST AVE	8/1/18	283087	AWW	29678	8	RPM	151
SSS	W-8-3	4300 N FIRST AVE	8/2/18	283094	121061	15426	15	VCP	174
SSS	W-8-3	4218 N FIRST AVE	8/2/18	282362	3768	15433	15	VCP	120
SSS	W-8-3	4300 N FIRT AVE	8/2/18	9120	282362	28938	15	VCP	121
SSS	W-8-3	4320 N FIRST AVE	8/2/18	3769	283094	29687	12	VCP	168
SSS	W-8-3	4451 N FIRST AVE	8/6/18	AEP	121063	11535	8	VCP	113
SSS	W-8-3	4421 N FIRST AVE	8/6/18	121063	121064	11536	8	VCP	412
SSS	W-8-3	4100 LEXINGTON RD	8/6/18	3765	3529	11589	8	VCP	245
SSS	E-6-3	4500 GREENCOVE AVE	8/7/18	AEP	10058	30828	8	VCP	32
SSS	E-6-3	4900 HELMUTH CT	8/7/18	AEP	14235	30829	8	RPM	18
SSS	W-8-3	718 LEXINGTON RD	8/8/18	3529	3760	11557	10	VCP	232
SSS	W-8-3	4202 N FIRST AVE	8/8/18	3767	3760	15429	15	VCP	566
SSS	W-8-3	4218 N FIRST AVE	8/8/18	3768	3767	15432	15	VCP	39
SSS	W-8-3	4245 N FIRST AVE	8/8/18	121065	3767	15901	15	VCP	122
SSS	W-8-3	509 SHERIDAN RD	8/9/18	4108	3824	23487	8	VCP	591
SSS	W-8-3	3629 KENSINGTON AVE	8/9/18	4117	4114	23495	8	VCP	488
SSS	W-8-3	3517 KENSINGTON AVE	8/9/18	4116	4117	23497	8	VCP	81
SSS	W-8-3	500 COLONIAL AVE	8/9/18	4114	282105	28662	8	VCP	120

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-1	1650 S PARKER AVE	8/9/18	AEP	3360	30831	8	VCP	150
SSS	W-8-3	3523 TREMONT RD	8/10/18	4115	4113	23491	8	VCP	441
SSS	W-8-3	3523 TREMONT RD	8/10/18	4113	282104	23492	8	VCP	331
SSS	W-8-3	520 COLONIAL AVE	8/10/18	282104	4109	23493	8	VCP	165
SSS	W-8-1	2524 CROSS VALLEY CIR	8/13/18	9143	9136	6511	8	RPM	181
SSS	W-8-1	2524 WATERBRIDGE WAY	8/13/18	9147	9136	6514	8	RPM	189
SSS	W-8-1	2524 WATERBRIDGE WAY	8/13/18	9135	9147	6517	8	RPM	261
SSS	W-8-3	4000 N FIRST AVE	8/13/18	3760	96919	15431	15	VCP	258
SSS	W-8-3	713 N FIRST AVE	8/13/18	96919	121185	15484	15	VCP	178
SSS	W-8-3	521 COLONIAL AVE	8/13/18	4109	4106	23489	8	VCP	193
SSS	W-8-3	509 COLONIAL AVE	8/13/18	4110	4109	23490	8	VCP	333
SSS	W-8-3	4620 TAYLOR AVE	8/13/18	282105	4110	23494	8	VCP	173
SSS	W-8-3	712 SHERIDAN RD	8/13/18	4106	3823	23770	8	VCP	717
CSS	E-6-2	1010 VANN AVE	8/14/18	3684	ATC	16880	15	RCP	21
SSS	W-8-3	3501 N FIRST AVE	8/17/18	3819	3820	15397	15	VCP	551
SSS	W-8-3	700 N FIRST AVE	8/17/18	3823	3818	15398	15	VCP	199
SSS	W-8-3	3501 N FIRST AVE	8/17/18	3818	3819	15400	15	VCP	75
SSS	W-8-3	3718 N FIRST AVE	8/17/18	3821	3823	15402	15	VCP	303
SSS	W-8-3	619 SHERIDAN RD	8/17/18	3824	3821	23769	8	VCP	565
SSS	W-8-3	713 W BUENA VISTA RD	8/17/18	121185	3821	28477	15	VCP	302
SSS	E-6-1	1775 STEVENS AVE	8/17/18	AEP	284184	30840	8	VCP	75
SSS	E-6-1	1775 STEVENS AVE	8/17/18	284184	3978	30839	10	PVC	13
SSS	E-6-2	3519 COVERT AVE	8/22/18	AEP	9984	30842	8	VCP	7
SSS	E-6-2	3401 COVERT AVE	8/22/18	284185	9977	30841	8	VCP	29
SSS	W-8-1	2501 WATERBRIDGE WAY	8/24/18	9136	9137	6500	8	VCP	44
SSS	W-8-1	2501 OLD DRIDGE CT	8/24/18	9137	9139	6505	8	RPM	185
SSS	W-8-1	2451 WATERBRIDGE WAY	8/24/18	9139	9140	6506	8	RPM	165
SSS	W-8-1	2501 OLD BRIDGE CT	8/24/18	9140	9141	6507	8	RPM	149
SSS	W-8-1	2501 OLD BRIDGE CT	8/24/18	9141	9142	6508	8	RPM	206
SSS	W-8-2	1021 FULTON PKWY	8/24/18	9070	9071	14749	8	VCP	319
SSS	W-8-2	2904 N THIRD AVE	8/24/18	9071	9069	14754	8	VCP	164
SSS	W-8-2	2904 N THIRD AVE	8/24/18	9072	9071	14755	8	VCP	195
SSS	W-8-1	2501 WATERBRIDGE WAY	8/27/18	9146	9020	6501	8	RPM	159
SSS	W-8-1	2619 OLD BRIDGE CT	8/27/18	9020	9021	6502	10	VCP	280
SSS	W-8-1	2501 WATERBRIDGE WAY	8/27/18	9142	9146	6509	8	RPM	95
SSS	E-6-1	1812 MCCONNELL AVE	8/28/18	2697	2696	14553	8	VCP	123

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TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-6-1	3114 CONLIN AVE	8/28/18	2696	2695	14552	10	VCP	188
SSS	E-6-1	1817 VANN AVE	8/28/18	CO	2694	21514	10	VCP	288
SSS	E-6-1	3114 CONLIN AVE	8/28/18	2694	2695	21513	10	VCP	67
SSS	E-6-1	1771 VANN AVE	8/28/18	2695	69342	21509	10	VCP	193
SSS	W-8-4	4301 N FOURTH AVE	8/30/18	100041	100035	025990	8	PVC	80
SSS	W-8-4	4400 N FULTON AVE	8/30/18	100035	281527	026000	8	PVC	361
SSS	W-8-4	4400 N FULTON AVE	8/30/18	281528	281527	27236	8	VCP	74
SSS	W-8-4	4417 N FULTON AVE	8/30/18	281527	281526	27237	8	PVC	143
SSS	W-8-4	4417 N FULTON AVE	8/30/18	281526	3729	27238	8	PVC	53
SSS	W-8-4	4400 N FULTON AVE	8/30/18	281530	281528	27239	8	PVC	111
SSS	W-8-4	4400 N FULTON AVE	8/30/18	281529	281528	27240	8	PVC	71
SSS	W-8-4	1164 W MILL RD	8/31/18	120882	3798	12853	8	VCP	220
SSS	W-8-4	1125 W MILL RD	8/31/18	3541	3725	15470	15	RCP	130
SSS	W-8-4	4417 N FULTON AVE	9/4/18	3726	3729	15414	15	RCP	396
SSS	W-8-4	4501 MILBROOK LN	9/4/18	3725	3726	15468	15	RCP	351
SSS	W-8-4	4301 N FOURTH AVE	9/5/18	14419	14420	11131	8	PVC	124
SSS	W-8-4	4401 N FOURTH AVE	9/5/18	14418	14419	11526	8	PVC	240
SSS	W-8-4	4301 N FOURTH AVE	9/5/18	AEP	14419	11530	8	PVC	2
SSS	W-8-4	1126 CHELSEA LN	9/5/18	3729	3727	15413	15	RCP	225
SSS	W-8-4	1126 LEICESTER SQ	9/5/18	3727	3728	15419	15	RCP	253
SSS	W-8-4	1135 DOWNING CT	9/5/18	3728	120965	15424	15	RCP	212
SSS	W-8-4	4400 N FOURTH AVE	9/7/18	14420	14421	11132	8	RPM	69
SSS	W-8-4	4400 N FOURTH AVE	9/7/18	14421	14422	11133	8	RPM	113
SSS	W-8-4	4001 PHELPS LN	9/7/18	3741	3742	11520	8	VCP	92
SSS	W-8-4	4001 N FULTON AVE	9/7/18	3743	3741	11521	8	VCP	206
SSS	W-8-4	1126 N FOURTH AVE	9/7/18	14408	14411	11523	10	RPM	171
SSS	W-8-4	951 NORTH PARK DR	9/7/18	14412	14409	11524	10	RPM	134
SSS	W-8-4	951 NORTH PARK DR	9/7/18	14409	14408	11525	10	RPM	87
SSS	W-8-4	849 NORTH PARK DR	9/7/18	14414	14413	11527	8	RPM	287
SSS	W-8-4	951 NORTH PARK DR	9/7/18	14413	14412	11528	10	RPM	194
SSS	W-8-4	952 N FOURTH AVE	9/7/18	14422	14413	11529	8	RPM	82
SSS	W-8-4	1135 DOWNING CT	9/7/18	AEP	120965	15899	15	RCP	1
SSS	W-8-4	1125 N FOURTH AVE	9/10/18	14411	3730	11522	10	RPM	171
SSS	W-8-4	4110 N FOURTH AVE	9/10/18	3730	3747	15412	15	RCP	231
SSS	W-8-4	4000 N FOURTH AVE	9/10/18	3747	3740	15418	15	RCP	260
SSS	W-8-4	1126 N FOURTH AVE	9/10/18	120965	3730	16619	15	RCP	21

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-8-4	1201 W BUENA VISTA RD	9/11/18	3745	3739	11516	8	VCP	279
SSS	W-8-4	3925 N FOURTH AVE	9/11/18	3746	283764	11517	10	VCP	316
SSS	W-8-4	1110 PHELPS LN	9/11/18	3742	3744	11519	8	VCP	217
SSS	W-8-4	4200 N THIRD AVE	9/11/18	3740	3739	15417	15	RCP	238
SSS	W-8-4	3925 N FOURTH AVE	9/11/18	283764	3745	30317	10	VCP	87
SSS	W-8-4	1110 PHELPS LN	9/13/18	3744	3745	11518	8	VCP	196
SSS	W-8-4	4200 N THIRD AVE	9/13/18	281539	3738	15415	15	VCP	173
SSS	W-8-4	1151 W BUENA VISTA RD	9/13/18	3737	3736	15420	15	RCP	251
SSS	W-8-4	1100 W BUENA VISTA RD	9/13/18	3736	38307	15422	15	RCP	250
SSS	W-8-4	1020 W BUENA VISTA RD	9/13/18	38307	3735	15423	15	RCP	364
SSS	W-8-3	3910 STRINGTOWN RD	9/13/18	9490	9487	23324	8	VCP	278
SSS	W-8-4	4200 N THIRD AVE	9/13/18	3739	281539	27251	15	RCP	89
SSS	E-6-3	4513GREENCOVE AVE	9/13/18	284210	ATC	30870	8	VCP	99
SSS	E-6-6	5613 WINTHROP CT	9/14/18	AEP	6582	30755	8	RPM	109
SSS	W-8-4	3524 N FIRST AVE	9/17/18	101290	8991	11463	8	RPM	386
SSS	W-8-4	1010 W BUENA VISTA RD	9/17/18	3735	41107	15393	15	VCP	297
SSS	W-8-4	3718 N FIRST AVE	9/17/18	41107	8988	20650	15	RCP	264
SSS	W-8-4	3700 N FIRST AVE	9/17/18	8988	8989	20651	15	RCP	333
SSS	W-8-4	3700 N FIRST AVE	9/17/18	8989	8991	20652	15	RCP	413
SSS	W-8-4	3408 N FIRST AVE	9/17/18	8991	8990	20653	15	RCP	375
SSS	W-8-4	4215 KRATZVILLE RD	9/18/18	9000	9003	11508	8	RPM	271
SSS	W-8-4	4325 KRATZVILLE RD	9/18/18	9003	9001	11509	8	RPM	270
SSS	W-8-4	4411 KRATZVILLE RD	9/18/18	9001	9002	11510	8	RPM	28
SSS	W-8-4	3300 N FIRST AVE	9/18/18	41108	41109	15392	15	RCP	160
SSS	W-8-4	3300 N FIRST AVE	9/18/18	41109	8984	15401	15	RCP	109
SSS	W-8-4	1151 N THIRD AVE	9/18/18	3738	3737	15416	15	RCP	72
SSS	W-8-4	3404 N FIRST AVE	9/18/18	8990	8986	20654	15	RCP	397
SSS	W-8-4	3300 N FIRST AVE	9/18/18	8986	41108	20656	15	RCP	164
SSS	W-8-4	4301 BLUEBERRY CT	9/18/18	AEP	9000	28337	8	VCP	84
SSS	W-8-4	4615 KRATZVILLE RD	9/19/18	CO	9013	11507	8	PVC	88
SSS	W-8-4	1400 W MILL RD	9/19/18	9013	9014	11511	8	PVC	214
SSS	W-8-4	3300 N FIRST AVE	9/19/18	8984	8983	20655	15	RCP	93
SSS	W-8-4	4417 KRATZVILLE RD	9/19/18	9002	9004	24096	8	PVC	137
SSS	W-8-4	4421 KRATZVILLE RD	9/19/18	9004	9005	24097	8	PVC	183
SSS	W-8-4	1340 W MILL RD	9/19/18	9005	9006	24098	8	PVC	258
SSS	W-8-4	1340 W MILL RD	9/19/18	9006	9014	24099	8	VCP	49

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-8-4	3351 N FIRST AVE	9/20/18	3817	3816	15394	15	VCP	55
SSS	W-8-4	3360 N FIRST AVE	9/20/18	3820	3817	15396	15	VCP	406
SSS	W-8-2	3021 KRATZVILLE RD	10/4/18	9081	9080	24050	15	VCP	20
SSS	E-6-1	2818 POLLACK AVE	10/4/18	284232	9917	30879	8	VCP	27
SSS	W-8-4	3301 N FIRST AVE	10/10/18	3816	8983	15395	15	VCP	278
SSS	E-6-5	640 S HEBRON AVE	10/15/18	284235	6966	30905	8	VCP	174
SSS	E-6-1	2820 POLLACK AVE	10/19/18	284213	284232	30898	8	VCP	154
SSS	W-8-5	1137 W MILL RD	11/30/18	41104	3800	12852	8	VCP	14
CSS Total Cleaned (ft)									1,948
SSS Total Cleaned (ft)									141,024
Total 8" to 15" Diameter Pipes Cleaned (ft)									142,972

* Total includes 329 ft of CSS and 72,086 ft of SSS cleanings that were not submitted in SAR 2018-1

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	2/15/18	CHICKASAW LS	AEP	284129	30760	8	PVC	5
SSS	2/15/18	CHICKASAW LS	AEP	284129	30761	8	PVC	6
SSS	4/25/18	319 PEMBERTON AVE	4101	4099	11612	8	VCP	177
SSS	4/25/18	4518 LONGFIELD DR	3782	4102	11616	8	VCP	172
SSS	4/25/18	425 PEMBERTON AVE	3780	3781	12679	8	VCP	118
SSS	4/25/18	4530 PEMBERTON AVE	3781	3782	12821	8	VCP	118
SSS	5/3/18	4615 KRATZVILLE RD	CO	9013	11507	8	PVC	88
SSS	5/24/18	814 ALLENS LN	9053	9035	22986	8	VCP	509
SSS	5/31/18	7 W BUENA VISTA RD	9493	9494	23328	8	VCP	341
SSS	6/1/18	219 W BEUNA VISTA RD	9495	14416	23317	8	VCP	283
SSS	6/11/18	4312 MEADOWRIDGE RD	9480	281150	11624	8	VCP	304
SSS	6/11/18	3900 STRINGTOWN RD	9490	9487	23324	8	VCP	278
SSS	6/15/18	4230 LONGFIELD DR	3750	3522	11591	8	VCP	357
SSS	6/18/18	5206 BERRY LN	122399	9301	11779	8	VCP	248
SSS	6/18/18	1007 CROSS GATE DR	9298	9297	21868	8	VCP	21
SSS	6/22/18	3212 STRATFORD RD	8980	8979	16381	12	VCP	156
SSS	6/25/18	3304 SHERIDAN RD	4064	4061	24110	8	VCP	236
SSS	6/25/18	5610 KRATZVILLE RD	AEP	283922	30735	8	PVC	26
SSS	7/2/18	5201 BERRY LN	9302	9301	11777	10	VCP	353
SSS	7/2/18	1100 WESTCHESTER CT	122404	9302	11799	10	VCP	214
SSS	7/2/18	4527 COVERT AVE	14272	AWW	5569	8	VCP	32
SSS	7/2/18	4601 JACKSON AVE	2683	2684	6667	8	VCP	273
SSS	7/2/18	4507 JACKSON AVE	2682	2683	6668	8	VCP	350
SSS	7/2/18	4530 GREENCOVE AVE	14271	14272	7315	8	VCP	41
SSS	7/3/18	5200 N FOURTH AVE	9303	9300	11770	8	VCP	269
SSS	7/3/18	5200 N FOURTH AVE	9300	122404	11776	10	VCP	109
SSS	7/3/18	1143 SHEFFIELD DR	9286	9284	11782	15	VCP	137
SSS	7/3/18	1140 SHEFFIELD DR	9384	9287	11791	15	RCP	401
SSS	7/3/18	1113 W HEERDINK DR	284165	9289	12825	8	VCP	218
SSS	7/3/18	1145 HEERDINK AVE	9289	9287	12826	8	VCP	412
SSS	7/3/18	1149 W HEEDINK AVE	9287	9288	15482	15	VCP	82
SSS	7/3/18	1114 CROSS GATE DR	9285	9286	24941	15	RCP	95
SSS	7/3/18	1025 W HEERDINK AVE	9272	284165	30807	8	VCP	178
SSS	7/3/18	1540 VANN AVE	3473	3474	6132	10	VCP	55
SSS	7/3/18	1614 1616 POLSTER DR	14270	14271	7316	8	VCP	124
SSS	7/3/18	1540 VANN AVE	3471	3472	15003	10	RCP	370

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/3/18	1540 VANN AVE	3472	3473	15008	10	RCP	330
SSS	7/3/18	662 S GREEN RIVER RD	6971	6972	23266	8	VCP	459
SSS	7/5/18	4914 N FOURTH AVE	9282	9283	11773	8	VCP	155
SSS	7/5/18	1143 SHEFFIELD DR	9283	9284	11774	8	VCP	405
SSS	7/5/18	3430 TAYLOR AVE	3718	3722	15004	10	RCP	297
SSS	7/5/18	3430 TAYLOR AVE	3719	3718	15005	8	VCP	457
SSS	7/5/18	3430 TAYLOR AVE	172570	3471	24585	10	RCP	273
SSS	7/5/18	3430 TAYLOR AVE	3722	172570	24588	10	RCP	35
SSS	7/5/18	1308 VANN AVE	172571	172570	24589	8	RPM	132
SSS	7/5/18	816 SHEFFIELD DR	9278	9271	15486	12	VCP	218
SSS	7/6/18	1145 W MILL RD	3805	41104	15425	15	VCP	75
SSS	7/6/18	1164 W MILL RD	3798	3540	15471	15	RCP	16
SSS	7/6/18	1164 W MILL RD	3540	3541	15472	15	RCP	6
SSS	7/6/18	1137 W MILL RD	3809	3805	15483	15	VCP	95
SSS	7/6/18	1145 W MILL RD	9288	3809	15485	15	VCP	398
SSS	7/6/18	1164 MILLBROOK LN	3800	3798	15489	15	RCP	55
SSS	7/6/18	4400 W MILL RD	3794	3793	15605	12	RCP	299
SSS	7/6/18	918 W MILL RD	3792	3796	15606	12	RCP	166
SSS	7/6/18	918 W MILL RD	3796	3795	15607	12	RCP	321
SSS	7/6/18	918 W MILL RD	3792	3793	28623	8	PVC	97
SSS	7/6/18	1124 S LOMBARD AVE	3294	3293	5173	8	RCP	358
SSS	7/6/18	1125 S LOMBARD AVE	3293	3292	5175	8	VCP	106
SSS	7/6/18	4800 N FIRST AVE	9271	9270	15447	12	VCP	223
SSS	7/6/18	4700 N FIRST AVE	9270	3794	15612	12	RCP	419
SSS	7/7/18	1800 VANN AVE	9989	9935	6122	8	VCP	308
SSS	7/7/18	1750 VANN AVE	9986	9989	6123	8	VCP	334
SSS	7/7/18	3200 WAGGONER AVE	9973	9972	23068	10	VCP	166
SSS	7/7/18	1651 VANN AVE	9987	9972	23069	8	VCP	152
SSS	7/7/18	1715 VANN AVE	9988	69351	23070	8	VCP	329
CSS	7/7/18	1651 VANN AVE	9972	3420	23071	10	VCP	329
SSS	7/7/18	1659 VANN AVE	69351	9987	23072	8	VCP	389
SSS	7/7/18	4824 LINCOLN AVE	6282	6284	23271	8	VCP	347
SSS	7/9/18	1023 W MILL RD	3810	3811	11768	8	VCP	300
SSS	7/9/18	920 W HEERDINK AVE	9269	9270	11771	8	VCP	487
SSS	7/9/18	813 SHEFFIELD DR	9275	9279	11772	8	VCP	236
SSS	7/9/18	3400 WAGGONER AVE	9981	9976	6107	10	VCP	212

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/9/18	3412 WAGGONER AVE	9982	9981	6108	10	VCP	206
SSS	7/9/18	3504 WAGGONER AVE	9983	9982	6109	10	VCP	207
SSS	7/9/18	3400 WAGGONER AVE	9976	9975	6110	10	VCP	162
SSS	7/9/18	3312 WAGGONER AVE	9975	9974	6111	10	VCP	184
SSS	7/9/18	3216 WAGGONER AVE	9974	9973	6112	10	VCP	163
SSS	7/9/18	3400 CONLIN AVE	9929	9930	15012	12	VCP	169
SSS	7/9/18	3318 CONLIN AVE	9931	9930	15013	12	VCP	164
SSS	7/9/18	3310 CONLIN AVE	9933	9931	15014	12	VCP	329
SSS	7/9/18	1716 S WALNUT LN	9980	9979	15015	12	VCP	131
SSS	7/9/18	3400 CONLIN AVE	9930	9938	15016	12	VCP	330
SSS	7/9/18	1630 S WALNUT LN	9979	9978	15017	12	VCP	214
SSS	7/9/18	3401 WAGGONER AVE	281877	9976	15018	12	VCP	167
SSS	7/9/18	3400 WAGGONER AVE	9976	9977	15019	12	VCP	155
SSS	7/9/18	3401 COVERT AVE	9977	9991	15020	12	VCP	183
SSS	7/9/18	1780 S WALNUT LN	9938	9942	15385	12	VCP	174
SSS	7/9/18	1724 S WALNUT LN	9942	9980	15386	12	VCP	184
SSS	7/9/18	1624 S WALNUT LN	9978	281877	28443	12	VCP	104
SSS	7/10/18	3800 WILLOW BEND DR	AEP	14403	11283	8	RPM	124
SSS	7/10/18	815 W HEERDINK AVE	9274	9271	11785	8	VCP	404
SSS	7/10/18	1125 W MILL RD	3795	3797	15615	12	RCP	355
SSS	7/10/18	1125 W MILL RD	3797	3540	15616	12	RCP	403
SSS	7/10/18	3708 WILLOW BEND DR	14403	14404	24140	8	RPM	195
SSS	7/10/18	3737 WILLOWBEND DR	14405	14403	24145	8	RPM	124
SSS	7/10/18	3737 WILLOW BEND DR	CO	14405	26787	8	RPM	19
SSS	7/10/18	1709 DALEHAVEN DR	9950	9951	15024	12	RCP	328
SSS	7/10/18	3712 RIDGEWAY AVE	69705	69706	24537	8	RPM	260
SSS	7/10/18	1709 DALEHAVEN DR	CO	69706	24538	8	RPM	70
SSS	7/10/18	1709 DALEHAVEN DR	CO	69706	24539	8	RPM	76
SSS	7/10/18	1709 DALEHAVEN DR	69706	9950	24545	8	RPM	135
SSS	7/10/18	1761 DALEHAVEN DR	9947	9946	24552	12	RCP	327
SSS	7/10/18	1660 DALEHAVEN DR	9951	10030	24553	12	RCP	320
SSS	7/10/18	1715 DALEHAVEN DR	9946	9950	24554	12	RCP	323
SSS	7/10/18	1810 DALEHAVEN DR	69707	9947	24555	12	RCP	167
SSS	7/10/18	1610 DALEHAVEN DR	10030	2940	24556	12	RCP	184
SSS	7/11/18	3707 WILLOW BEND DR	14404	14402	24101	8	RPM	89
SSS	7/11/18	408 COLONIAL AVE	8951	8954	24119	8	VCP	242

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/11/18	308 COLONIAL AVE	4125	8960	24125	8	VCP	358
SSS	7/11/18	3707 SHERIDAN RD	14402	14407	24141	8	RPM	190
SSS	7/11/18	248 SHERIDAN RD	4050	14407	24143	8	VCP	153
SSS	7/11/18	3707 WILLOW BEND DR	14406	14404	24144	8	RPM	125
SSS	7/11/18	3707 WILLOW BEND DR	AEP	14406	26788	8	RPM	80
SSS	7/11/18	1019 SHEFFIELD DR	9280	9276	11787	8	VCP	191
SSS	7/11/18	3420 MONROE AVE	3716	3719	15006	8	VCP	534
SSS	7/11/18	3420 MONROE AVE	3717	3719	15007	8	VCP	539
SSS	7/11/18	1725 S WALNUT LN	283062	282986	29574	8	PVC	408
SSS	7/11/18	1725 S WALNUT LN	282987	283062	29647	8	PVC	284
SSS	7/11/18	3400 STRATFORD RD	8978	8977	24134	8	VCP	204
SSS	7/11/18	3316 STRATFORD RD	8979	8977	16380	12	VCP	351
SSS	7/12/18	436 STRATFORD RD	4124	8957	24113	10	VCP	852
SSS	7/12/18	3000 TREMONT RD	8982	8976	24152	12	RPM	311
SSS	7/12/18	3000 SHERIDAN RD	8981	8982	24153	12	VCP	317
SSS	7/12/18	3700 COLONIAL AVE	4122	4124	24155	10	VCP	300
SSS	7/12/18	124 FAIRWAY DR	9484	4051	11410	8	VCP	155
SSS	7/12/18	232 FAIRWAY DR	4051	8960	24138	8	VCP	295
SSS	7/12/18	3417 FAIRWAY DR	8960	8957	24126	8	VCP	268
SSS	7/12/18	3219 SWEETSER AVE	9936	9937	6099	10	VCP	170
SSS	7/12/18	3213 SWEETSER AVE	9935	9936	6100	8	VCP	168
SSS	7/12/18	3219 SWEETSER AVE	2765	9937	6101	8	VCP	288
SSS	7/12/18	1745 DIANNE AVE	2764	2765	6102	8	VCP	225
SSS	7/12/18	1729 DIANNE AVE	AEP	2764	6103	8	VCP	133
SSS	7/12/18	3219 SWEETSER AVE	9937	9938	6104	10	VCP	321
SSS	7/12/18	1716 S WALNUT LN	2767	9979	22316	8	RPM	147
SSS	7/12/18	1708 S WALNUT LN	2766	2767	22317	8	RPM	394
SSS	7/12/18	1708 S WALNUT LN	CO	2767	22318	8	RPM	73
SSS	7/12/18	1708 S WALNUT LN	CO	2767	22319	8	RPM	71
SSS	7/12/18	1717 JOYCE AVE	CO	2766	22320	8	RPM	63
SSS	7/12/18	1624 S WALNUT LN	281879	281878	28445	8	RPM	399
SSS	7/12/18	1624 S WALNUT LN	281878	281877	28446	8	RPM	143
SSS	7/12/18	1624 S WALNUT LN	CO	281878	28447	8	RPM	61
SSS	7/12/18	1625 S WALNUT LN	282986	281877	29573	8	CAS	18
SSS	7/12/18	232 SHERIDAN RD	14407	4053	24142	8	VCP	147
SSS	7/12/18	3401 KENSINGTON AVE	8969	8970	16378	8	PVC	207

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/13/18	5004 MANOR CT	AEP	9192	11643	8	VCP	65
SSS	7/13/18	200 SHERIDAN RD	4053	4051	24105	8	VCP	311
SSS	7/13/18	5510 WINSTON RD	9537	9539	27378	8	VCP	240
SSS	7/16/18	3417 FAIRWAY DR	8957	8958	11416	10	VCP	269
SSS	7/16/18	510 TREMONT RD	8958	8962	15389	12	VCP	215
SSS	7/16/18	3101 SHERIDAN RD	8976	8972	24133	12	VCP	182
SSS	7/16/18	3021 SHERIDAN RD	4067	8976	26790	8	VCP	173
SSS	7/16/18	3213 SWEETSER AVE	9934	9936	6098	8	VCP	256
SSS	7/16/18	3412 CONLIN AVE	9963	9929	5564	10	VCP	340
SSS	7/16/18	3310 CONLIN AVE	9932	9931	6089	8	VCP	299
SSS	7/16/18	3212 CONLIN AVE	9928	9933	6090	10	VCP	453
SSS	7/16/18	1929 DIANNE AVE	284166	9928	6097	8	VCP	112
SSS	7/16/18	3401 SWEETSER AVE	9939	9938	6114	8	VCP	349
SSS	7/16/18	1917 S WALNUT LN	99693	9932	11477	8	VCP	267
SSS	7/16/18	3501 SWEETSER AVE	2768	9939	22322	8	VCP	268
SSS	7/16/18	2001 DIANNE CT	9924	284166	30808	8	VCP	243
SSS	7/16/18	3512 CONLIN AVE	AEP	9963	5563	8	VCP	81
SSS	7/16/18	3406 CONLIN AVE	9927	9929	6085	8	VCP	412
SSS	7/17/18	510 TREMONT RD	8962	8963	15390	12	VCP	36
SSS	7/18/18	1931 S LOMBARD AVE	9926	9927	6086	8	VCP	390
SSS	7/18/18	3412 POLLACK AVE	AEP	9926	6088	8	VCP	76
SSS	7/18/18	3412 POLLACK AVE	AEP	9926	6087	8	VCP	72
SSS	7/18/18	3506 CONLIN AVE	9962	9963	11370	8	VCP	410
SSS	7/18/18	2010 S LOMBARD AVE	AEP	99669	11372	8	VCP	81
SSS	7/18/18	2010 S LOMBARD AVE	284169	99669	30811	8	VCP	10
SSS	7/19/18	3611 CONLIN AVE	9959	9958	24529	8	RCP	248
SSS	7/19/18	1916 JOYCE AVE	9960	9959	24530	8	RCP	193
SSS	7/19/18	3611 CONLIN AVE	9958	69709	24550	12	RCP	338
SSS	7/19/18	2906 MOCKINGBIRD LN	9118	9119	24149	8	VCP	130
SSS	7/19/18	3715 CONLIN AVE	69709	69707	24551	12	RCP	166
SSS	7/19/18	3715 CONLIN AVE	69712	69709	24527	8	RCP	300
SSS	7/19/18	1949 DALEHAVEN DR	10008	10010	24547	8	RCP	319
SSS	7/19/18	1922 CAROL DR	10010	69712	24528	8	RCP	307
SSS	7/19/18	1820 DALEHAVEN DR	69711	69707	24540	8	RCP	307
SSS	7/19/18	3014 MOCKINGBIRD LN	9116	4067	24151	8	VCP	172
SSS	7/19/18	1922 DALEHAVEN DR	10011	69711	24541	8	RCP	308

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/19/18	3109 SHERIDAN RD	4069	4067	24154	8	VCP	243
SSS	7/19/18	1950 DALEHAVEN DR	10007	10011	24549	8	RCP	305
SSS	7/20/18	4707 JACKSON AVE	2684	3056	7321	8	VCP	447
SSS	7/20/18	1760 S WALNUT LN	99668	9942	22326	8	RPM	147
SSS	7/20/18	1760 S WALNUT LN	9943	99668	22327	8	RPM	392
SSS	7/20/18	1761 JOYCE AVE	CO	9943	22321	8	RPM	77
SSS	7/20/18	1760 S WALNUT LN	CO	99668	22328	8	RPM	71
SSS	7/20/18	1760 S WALNUT LN	CO	99668	22329	8	RPM	66
SSS	7/20/18	1810 DALEHAVEN DR	9949	9947	20658	8	RCP	613
SSS	7/20/18	1766 DALEHAVEN DR	14283	9946	24546	8	RCP	138
SSS	7/20/18	1761 DALEHAVEN DR	CO	14283	6119	8	RPM	82
SSS	7/20/18	1761 DALEHAVEN DR	9945	14283	24536	8	RCP	143
SSS	7/20/18	3701 RIDGEWAY AVE	284171	9945	24533	8	RCP	234
SSS	7/20/18	1760 JOYCE AVE	9944	284171	30815	8	RCP	48
SSS	7/23/18	5000 SWEETSER AVE	3042	3041	22678	8	VCP	295
SSS	7/23/18	5016 SWEETSER AVE	3043	3042	22679	8	VCP	343
SSS	7/24/18	3316 SHERIDAN RD	4061	4060	24107	8	VCP	127
SSS	7/24/18	3317 STRATFORD RD	4060	8977	24139	8	VCP	265
SSS	7/25/18	650 FAIRWAY DR	96917	96916	11438	8	VCP	272
SSS	7/25/18	1929 JOYCE AVE	99669	9962	11371	8	VCP	390
SSS	7/25/18	3313 KENSINGTON AVE	8977	8970	16379	12	VCP	251
SSS	7/25/18	700 FAIRWAY DR	96916	9031	11433	8	PVC	90
SSS	7/26/18	3301 N FIRST AVE	9151	9032	11435	8	VCP	37
SSS	7/27/18	3700 WAGGONER AVE	10028	10029	24535	8	VCP	285
SSS	7/27/18	1610 DALEHAVEN DR	10029	10030	24544	8	RCP	280
SSS	7/27/18	1666 DALEHAVEN DR	282411	9951	24543	8	RCP	137
SSS	7/27/18	3721 WAGGONER AVE	9952	282411	28981	8	RCP	146
SSS	7/27/18	3701 WAGGONER AVE	282935	9952	24534	8	RCP	228
SSS	7/27/18	1624 JOYCE AVE	9953	282935	29518	8	RCP	59
SSS	7/28/18	1431 S GREEN RIVER RD	39241	3036	7317	10	RCP	35
SSS	7/28/18	2701 GRAHAM AVE	282409	99633	24004	8	VCP	203
SSS	7/28/18	2701 GRAHAM AVE	99633	9914	24005	8	VCP	90
SSS	7/28/18	1930 JOYCE AVE	9961	9960	24531	8	RCP	175
SSS	7/30/18	3412 TREMONT RD	8963	8964	15387	15	VCP	377
SSS	7/30/18	3313 KENSINGTON AVE	8975	8970	24129	12	VCP	390
SSS	7/30/18	3201 KENSINGTON AVE	8972	8975	24132	12	VCP	302

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/30/18	2024 S PARKER DR	3403	3402	14517	8	RPM	226
SSS	7/30/18	2020 S PARKER DR	3404	3397	5316	10	VCP	286
SSS	7/30/18	2004 S PARKER DR	3397	3398	7088	10	VCP	160
SSS	7/30/18	2024 S PARKER DR	3402	3404	14518	8	VCP	59
SSS	7/30/18	1917 S PARKER DR	3401	3399	7090	8	VCP	303
SSS	7/30/18	1917 S PARKER DR	3399	3396	7092	10	VCP	133
SSS	7/30/18	2225 CONLIN AVE	3396	283019	29623	10	VCP	28
SSS	7/31/18	3300 TREMONT RD	8966	8961	11417	8	VCP	265
SSS	7/31/18	3200 TREMONT RD	8967	8966	11418	8	VCP	194
SSS	7/31/18	3100 TREMONT RD	8968	8967	11421	8	VCP	186
SSS	7/31/18	3304 TREMONT RD	8964	8961	15388	15	VCP	95
SSS	7/31/18	3309 TREMONT RD	8970	8964	26789	15	VCP	383
SSS	7/31/18	1917 S PARKER DR	3398	3399	7089	10	VCP	127
SSS	7/31/18	2226 CONLIN AVE	283019	284178	7093	10	VCP	183
SSS	7/31/18	2301 CONLIN AVE	CO	283040	23298	8	VCP	337
SSS	7/31/18	1901 S TAFT AVE	3406	283017	6521	10	VCP	292
SSS	7/31/18	2301 CONLIN AVE	283017	283018	29603	10	PVC	269
SSS	7/31/18	2301 CONLIN AVE	283018	283019	29604	10	PVC	203
SSS	7/31/18	2301 CONLIN AVE	283040	283018	29622	8	PVC	17
SSS	7/31/18	2301 CONLIN AVE	AEP	3396	23297	10	VCP	200
SSS	8/1/18	4400 N FIRST AVE	3723	3771	15609	12	VCP	287
SSS	8/1/18	4660 N FIRST AVE	283620	283085	29675	8	VCP	62
SSS	8/1/18	4550 N FIRST AVE	283085	283086	29676	8	VCP	455
SSS	8/1/18	4400 N FIRST AVE	283086	283087	29677	8	VCP	473
SSS	8/1/18	4320 N FIRST AVE	283087	AWW	29678	8	RPM	151
SSS	8/1/18	4501 GREENCOVE AVE	10058	10059	5566	8	VCP	171
SSS	8/1/18	1900 S TAFT AVE	282497	3407	6530	8	VCP	41
SSS	8/1/18	4504 GREENCOVE AVE	AEP	10058	30828	8	VCP	32
SSS	8/2/18	4300 N FIRST AVE	283094	121061	15426	15	VCP	174
SSS	8/2/18	4480 N FIRST AVE	3770	3769	15427	12	VCP	296
SSS	8/2/18	4550 N FIRST AVE	3771	3770	15428	12	VCP	355
SSS	8/2/18	4320 N FIRST AVE	3769	283094	29687	12	VCP	168
SSS	8/2/18	1917 S TAFT AVE	3405	3406	6520	10	VCP	282
SSS	8/2/18	1821 S TAFT AVE	3391	3390	6525	8	VCP	274
SSS	8/2/18	2020 JOYCE AVE	AEP	10009	6118	8	RCP	88
SSS	8/2/18	1901 S TAFT AVE	3390	283017	24499	8	VCP	244

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	8/2/18	3624 POLLACK AVE	10009	9961	24548	8	VCP	156
SSS	8/2/18	2020 JOYCE AVE	AEP	10009	24532	8	RCP	88
SSS	8/3/18	1901 CLAYTON AVE	3106	3105	22692	8	VCP	486
SSS	8/3/18	2024 S PARKER DR	3712	3402	24353	8	RPM	80
SSS	8/3/18	2217 POLLACK AVE	3711	3712	24351	8	VCP	246
SSS	8/3/18	1842 S FAIRLAWN AVE	67493	67494	22117	8	VCP	257
SSS	8/3/18	1818 S FAIRLAWN AVE	67494	283014	22118	8	VCP	274
SSS	8/6/18	5000 HELMUTH CT	AEP	14235	30829	8	RPM	18
SSS	8/6/18	1807 S PARKER DR	3394	283016	6522	10	RCP	300
SSS	8/6/18	1823 S PARKER DR	284178	3394	30826	10	VCP	118
SSS	8/6/18	5000 CLAYTON AVE	14235	14236	7557	8	RPM	218
SSS	8/6/18	1801 S PARKER DR	283016	283015	29602	12	PVC	231
SSS	8/6/18	5000 HELMUTH AVE	14236	10102	22690	8	VCP	94
SSS	8/6/18	5000 HELMUTH AVE	3104	3105	22684	8	VCP	285
SSS	8/6/18	1801 BROADMOOR AVE	3395	281885	28453	8	VCP	405
SSS	8/6/18	5000 HELMUTH AVE	3105	14236	22691	8	VCP	108
SSS	8/6/18	1825 BROADMOOR AVE	CO	3395	23296	10	VCP	105
SSS	8/6/18	1801 BROADMOOR AVE	281885	3410	28454	8	VCP	113
SSS	8/7/18	5024 HELMUTH AVE	3103	3104	22685	8	VCP	291
SSS	8/7/18	1901 S BOEKE RD	67495	282497	29055	8	VCP	515
SSS	8/8/18	4320 N FIRST AVE	121063	121064	11536	8	VCP	412
SSS	8/8/18	1701 S TAFT AVE	284180	3412	30830	10	VCP	131
SSS	8/8/18	1701 S FAIRLAWN AVE	3369	283008	6537	8	VCP	414
SSS	8/8/18	1755 S FAIRLAWN AVE	CO	3369	6536	8	VCP	154
SSS	8/8/18	1701 S FAIRLAWN AVE	283008	283009	29594	8	PVC	136
SSS	8/8/18	4451 N FIRST AVE	AEP	121063	11535	8	VCP	113
SSS	8/8/18	1700 S TAFT AVE	3413	284180	5555	10	VCP	136
SSS	8/8/18	1700 S TAFT AVE	3409	3413	5559	8	VCP	578
SSS	8/8/18	50001 SWEETSER AVE	3101	3100	22680	8	VCP	312
SSS	8/8/18	5017 SWEETSER AVE	3102	3101	22681	8	VCP	337
SSS	8/8/18	4816 SWEETSER AVE	3040	10106	22686	8	VCP	309
SSS	8/8/18	4916 SWEETSER AVE	3041	3040	22687	8	VCP	321
SSS	8/8/18	4817 SWEETSER AVE	3099	10105	22688	8	VCP	310
SSS	8/8/18	4921 SWEETSER AVE	3100	3099	22689	8	VCP	295
SSS	8/8/18	1700 BROADMOOR AVE	3412	283029	6523	10	VCP	289
SSS	8/9/18	3532 STRATFORD RD	4117	4114	23495	8	VCP	488

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	8/9/18	3648 STRATFORD RD	4114	282105	28662	8	VCP	120
SSS	8/9/18	4300 N FIRST AVE	9120	282362	28938	15	VCP	121
SSS	8/9/18	2220 CASS AVE	3378	283010	6527	8	VCP	590
SSS	8/9/18	1763 BROADMOOR AVE	3410	283029	6531	8	VCP	580
SSS	8/9/18	2007 CLAYTON AVE	3198	10101	22682	8	VCP	485
SSS	8/9/18	2007 CLAYTON AVE	10102	10101	22683	8	VCP	148
SSS	8/9/18	2007 CLAYTON AVE	10100	10099	22695	8	VCP	162
SSS	8/9/18	5018 POLLACK AVE	3107	10100	22696	8	VCP	471
SSS	8/9/18	2007 CLAYTON AVE	10101	10100	22697	8	VCP	263
SSS	8/9/18	2250 CASS AVE	283030	283029	29615	10	PVC	15
SSS	8/9/18	2250 CASS AVE	3360	283030	14530	8	VCP	277
SSS	8/9/18	1650 S PARKER AVE	AEP	3360	30831	8	VCP	150
SSS	8/9/18	1701 S TAFT AVE	3411	3412	14525	8	VCP	586
SSS	8/10/18	1611 BROADMOOR AVE	283025	283026	29610	8	PVC	27
SSS	8/10/18	1680 BROADMOOR AVE	3361	3362	12626	8	VCP	268
SSS	8/10/18	2501 CROSS VALLEY CIR	9134	9135	6515	8	RPM	84
SSS	8/10/18	718 LEXINGTON RD	3529	3760	11557	10	VCP	232
SSS	8/10/18	1630 BROADMOOR AVE	3362	283026	12680	8	VCP	170
SSS	8/10/18	1723 KENMORE DR	AEP	10071	22674	8	VCP	190
SSS	8/10/18	1723 KENMORE DR	10073	10071	22675	10	VCP	176
SSS	8/10/18	1723 KENMORE DR	10076	10073	22676	8	VCP	407
SSS	8/10/18	1724 S KENMORE DR	AEP	10073	23037	8	VCP	183
SSS	8/10/18	1681 BROADMOOR AVE	283023	283024	29608	8	PVC	139
SSS	8/10/18	1651 BROADMOOR AVE	283024	283025	29609	8	PVC	278
SSS	8/10/18	1681 S TAFT AVE	283020	283021	29605	8	PVC	248
SSS	8/10/18	1641 S TAFT AVE	283022	283021	29607	8	PVC	223
SSS	8/10/18	1641 S TAFT AVE	283021	3364	29606	8	PVC	27
SSS	8/10/18	3648 COLONIAL AVE	282104	4109	23493	8	VCP	165
CSS	8/11/18	1601 S TAFT AVE	3365	282995	12756	10	VCP	32
SSS	8/11/18	1611 S BOEKE RD	282997	282995	29585	15	PVC	229
CSS	8/11/18	1621 S PARKER DR	283037	283038	29620	12	RCP	263
CSS	8/11/18	2219 COVERT AVE	283038	ATC	29621	12	RCP	29
SSS	8/11/18	1650 S PARKER DR	283004	282993	29591	15	PVC	181
SSS	8/11/18	2148 WAGGONER AVE	283002	283003	29589	15	PVC	157
SSS	8/11/18	1651 S PARKER DR	283003	283004	29590	15	PVC	161
SSS	8/13/18	3516 KENSINGTON AVE	4115	4113	23491	8	VCP	441

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	8/13/18	3628 KENSINGTON AVE	4113	282104	23492	8	VCP	331
SSS	8/13/18	3516 STRATFORD RD	4116	4117	23497	8	VCP	81
SSS	8/13/18	1700 S PARKER DR	283029	283012	29614	12	PVC	148
SSS	8/13/18	1651 KOCH E AVE	283039	283003	23178	15	VCP	297
SSS	8/13/18	1610 BROADMOOR AVE	283026	67497	30833	12	VCP	100
CSS	8/13/18	2301 COVERT AVE	67497	282996	12757	12	PVC	34
SSS	8/13/18	1909 S KENMORE DR	10087	10086	22664	10	VCP	296
SSS	8/13/18	1909 S KENMORE DR	10090	10087	22665	8	VCP	442
SSS	8/13/18	1909 KENMORE DR.	10081	10087	22669	10	VCP	353
SSS	8/13/18	1805 S KENMORE DR	10071	10081	22673	10	VCP	310
SSS	8/13/18	1620 S TAFT AVE	3364	3365	12691	12	VCP	269
SSS	8/14/18	4516 OMER PL	10074	10073	23038	8	VCP	216
SSS	8/14/18	4516 OMER PL	10075	10074	23039	8	VCP	419
SSS	8/15/18	521 SHERIDAN RD	4108	3824	23487	8	VCP	591
SSS	8/15/18	1640 S TAFT AVE	CO	3364	12692	8	VCP	225
SSS	8/15/18	1651 S PARKER DR	AEP	283004	12623	8	VCP	134
SSS	8/15/18	700 N FIRST AVE	4106	3823	23770	8	VCP	717
SSS	8/15/18	1621 S PARKER DR	AEP	283004	14528	8	VCP	90
SSS	8/15/18	1771 EASTWOOD AVE	4013	4015	21479	8	VCP	308
SSS	8/15/18	4600 CONLIN AVE	10080	10081	22670	8	VCP	361
SSS	8/15/18	4600 CONLIN AVE	283616	10080	22671	8	VCP	187
SSS	8/15/18	4608 CONLIN AVE	10078	10079	22672	8	VCP	268
SSS	8/15/18	4600 SWEETSER AVE	10077	10076	22677	8	VCP	336
SSS	8/15/18	4600 CONLIN	10079	283616	30151	8	VCP	172
SSS	8/15/18	1717 STEVENS AVE	281882	3976	28451	15	VCP	191
SSS	8/15/18	1763 STEVENS AVE	3977	281882	23728	15	VCP	149
SSS	8/16/18	713 N FIRST AVE	96919	121185	15484	15	VCP	178
CSS	8/16/18	1717 STEVENS AVE	3976	282989	23729	15	VCP	328
CSS	8/16/18	1705 STEVENS AVE	282989	3975	29576	15	VCP	13
SSS	8/16/18	1801 STEVENS AVE	4002	3978	16615	12	VCP	167
SSS	8/16/18	1805 STEVENS AVE	4001	4002	16614	12	VCP	264
SSS	8/16/18	521 TREMONT RD	4109	4106	23489	8	VCP	193
SSS	8/16/18	1921 EUCLID DR	10089	10091	22604	10	VCP	282
SSS	8/16/18	1921 EUCLID DR	10086	10089	22605	10	VCP	229
SSS	8/16/18	1921 POLSTER DR	283617	10086	22606	8	VCP	254
SSS	8/16/18	1921 EUCLID DR	10091	10094	22693	10	VCP	187

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	8/16/18	1901 POLSTER DR	10084	283617	30152	8	VCP	164
SSS	8/16/18	1901 POLSTER DR	10083	10084	22608	8	VCP	155
SSS	8/16/18	1821 STEVENS AVE	3998	4001	16613	12	VCP	134
SSS	8/16/18	2408 CONLIN AVE	3997	3998	16611	12	VCP	151
SSS	8/16/18	2408 HELMUTH AVE	3989	3997	14538	10	VCP	240
SSS	8/16/18	1775 STEVENS AVE	3978	3977	16616	12	VCP	106
SSS	8/16/18	1776 STEVENS AVE	3979	3977	6653	10	VCP	161
SSS	8/17/18	4900 RIDGE KNOLL DR	9348	9351	11880	8	VCP	217
SSS	8/17/18	4120 N FIRST AVE	3767	3760	15429	15	VCP	566
SSS	8/17/18	4218 N FIRST AVE	3768	3767	15432	15	VCP	39
SSS	8/17/18	4201 N FIRST AVE	121065	3767	15901	15	VCP	122
SSS	8/17/18	4900 STRATFORD RD	282797	9200	29384	10	VCP	130
SSS	8/17/18	1775 STEVENS AVE	284184	3978	30839	10	PVC	13
SSS	8/17/18	1775 STEVENS AVE	AEP	284184	30840	8	VCP	75
SSS	8/17/18	2457 SWEETSER AVE	3984	3979	14542	10	VCP	135
SSS	8/17/18	2457 SWEETSER AVE	3980	3979	6654	10	VCP	18
SSS	8/17/18	2457 SWEETSER AVE	4011	3980	11361	10	VCP	475
SSS	8/17/18	1824 BURDETTE AVE	10047	10048	5577	8	RPM	326
SSS	8/17/18	2559 SWEETSER AVE	4010	4011	11362	10	VCP	371
SSS	8/17/18	2621 SWEETSER AVE	4009	4010	11363	10	VCP	122
SSS	8/18/18	2401 CASS AVE	282990	282989	29577	8	PVC	158
SSS	8/18/18	1719 EASTWOOD AVE	4015	3981	21480	8	VCP	302
SSS	8/18/18	1720 S GREENRIVER RD	10106	70157	15021	12	RCP	339
SSS	8/18/18	1720 S GREENRIVER RD	10107	70144	15022	12	RCP	367
SSS	8/18/18	1720 S GREENRIVER RD	70157	10107	15025	12	RCP	184
SSS	8/18/18	1720 S GREENRIVER RD	70144	3829	15091	12	RCP	403
SSS	8/18/18	1765 EDSON AVE	4012	4014	21475	8	VCP	300
SSS	8/18/18	1721 EDSON AVE	4014	3982	21478	8	VCP	315
SSS	8/18/18	1832 S GREENRIVER RD	10103	10104	22702	12	RCP	355
SSS	8/18/18	1832 S GREENRIVER RD	10104	10105	22703	12	RCP	342
SSS	8/18/18	1720 S GREENRIVER RD	10105	10106	22704	12	RCP	329
SSS	8/18/18	2020 S GREENRIVER RD	10097	10103	25087	12	RCP	218
SSS	8/18/18	2613 CASS AVE	282068	3982	28620	8	RCP	231
SSS	8/20/18	1710 BURDETTE AVE	10049	10050	5575	8	RPM	302
SSS	8/20/18	1003 W HEERDINK AVE	9273	9274	11786	8	VCP	268
SSS	8/20/18	700 N FIRST AVE	3823	3818	15398	15	VCP	199

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	8/20/18	712 N FIRST AVE	3821	3823	15402	15	VCP	303
SSS	8/20/18	3960 N FIRST AVE	3760	96919	15431	15	VCP	258
SSS	8/20/18	N FIRST AVE AND W BEUNA VISTA RD	121185	3821	28477	15	VCP	302
SSS	8/20/18	2519 CONLIN AVE	7621	3995	9021	8	RPM	104
SSS	8/20/18	2511 CONLIN AVE	3995	3996	14540	10	VCP	330
SSS	8/20/18	2415 CONLIN AVE	3996	3997	14539	10	VCP	167
SSS	8/20/18	1842 BURDETTE AVE	10044	10047	5578	8	RPM	323
SSS	8/20/18	1842 BURDETTE AVE	10046	10047	5579	8	RPM	27
SSS	8/20/18	1901 BURDETTE AVE	10045	10046	5580	8	RPM	228
SSS	8/20/18	2515 HELMUTH AVE	284074	284170	14536	10	VCP	285
SSS	8/20/18	1901 BURDETTE AVE	CO	10045	29554	8	RPM	166
SSS	8/20/18	2421 HELMUTH AVE	284170	3990	30814	10	VCP	150
SSS	8/20/18	2515 HELMUTH AVE	3992	284074	24006	8	VCP	176
SSS	8/20/18	2413 HELMUTH AVE	3990	3989	14535	10	VCP	134
SSS	8/21/18	2524 WATERBRIDGE WAY	9143	9136	6511	8	RPM	181
SSS	8/21/18	2524 WATERBRIDGE WAY	9147	9136	6514	8	RPM	189
SSS	8/21/18	2515 GRAHAM AVE	CO	3994	23483	8	VCP	403
SSS	8/21/18	501 COLONIAL AVE	4110	4109	23490	8	VCP	333
SSS	8/21/18	3005 SHERIDAN RD	9119	9116	24148	8	VCP	221
SSS	8/21/18	1776 BURDETTE AVE	10048	10049	5576	8	RPM	300
SSS	8/21/18	2515 GRAHAM AVE	3994	3987	14740	8	VCP	142
SSS	8/21/18	2409 GRAHAM AVE	3988	3989	14534	10	VCP	148
SSS	8/21/18	2409 GRAHAM AVE	3986	3988	14532	10	VCP	103
CSS	8/22/18	1616 KOCH E AVE	283041	3272	22859	15	VCP	303
SSS	8/22/18	2012 S TAFT AVE	AEP	67495	6528	8	VCP	32
SSS	8/22/18	2012 S TAFT AVE	AEP	67495	6529	8	VCP	38
SSS	8/22/18	3401 COVERT AVE	9984	284185	6105	8	VCP	561
SSS	8/22/18	3519 COVERT AVE	AEP	9984	30842	8	VCP	7
SSS	8/22/18	3401 COVERT AVE	284185	9977	30841	8	VCP	29
SSS	8/22/18	1710 BURDETTE AVE	3022	10050	5574	8	RPM	263
SSS	8/22/18	4215 BURDETTE AVE	10057	3022	5582	8	RPM	211
SSS	8/22/18	4215 BURDETTE AVE	10056	10057	5583	8	RPM	238
SSS	8/22/18	4215 BURDETTE AVE	10055	10056	5584	8	RPM	157
SSS	8/22/18	1625 JOYCE AVE	AEP	281879	28444	8	RPM	134
SSS	8/22/18	2016 S LOMBARD AVE	AEP	284169	11373	8	VCP	73
SSS	8/23/18	2005 HICKS DR	281273	281272	26844	8	RPM	236

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	8/23/18	1660 BURDETTE AVE	AEP	10061	5570	8	RPM	102
SSS	8/23/18	1660 BURDETTE AVE	10061	10062	5572	8	RPM	36
SSS	8/23/18	1660 BURDETTE AVE	10062	3022	5573	8	RPM	245
SSS	8/23/18	1710 BURDETTE AVE	10050	10051	5581	8	RPM	318
SSS	8/23/18	1710 BURDETTE AVE	10051	282952	5595	8	RPM	364
SSS	8/23/18	2005 HICKS DR	10037	281271	23403	10	VCP	121
SSS	8/23/18	2005 HICKS DR	10043	10037	23405	10	VCP	330
SSS	8/23/18	2005 HICKS DR	281272	281271	26845	8	RPM	243
SSS	8/24/18	1021 FULTON PKWY	9070	9071	14749	8	VCP	319
SSS	8/24/18	2904 N THIRD AVE	9071	9069	14754	8	VCP	164
SSS	8/24/18	1769 HICKS DR	10035	10036	23401	10	VCP	335
SSS	8/24/18	1769 HICKS DR	10034	10035	23402	10	VCP	329
SSS	8/24/18	1769 HICKS DR	10036	282954	23404	10	VCP	265
SSS	8/24/18	1769 HICKS DR	281271	10034	26843	10	VCP	203
SSS	8/24/18	2619 CASS AVE	2759	99627	11359	10	RPM	309
SSS	8/24/18	1755 BECKMAN AVE	99627	4010	16367	10	RPM	289
SSS	8/24/18	1666 HAWTHORNE AVE	4029	4018	14620	10	VCP	281
SSS	8/24/18	2524 WATERBRIDGE WAY	9136	9137	6500	8	VCP	44
SSS	8/24/18	2451 CROSS VALLEY CIR	9137	9139	6505	8	RPM	185
SSS	8/24/18	2451 WATERBRIDGE WAY	9139	9140	6506	8	RPM	165
SSS	8/24/18	2501 OLD BRIDGE CT	9140	9141	6507	8	RPM	149
SSS	8/24/18	2501 OLD BRIDGE CT	9141	9142	6508	8	RPM	206
CSS	8/25/18	1666 HAWTHORNE AVE	4018	4021	14617	12	VCP	252
SSS	8/25/18	1724 HAWTHORNE AVE	4028	4029	14619	10	VCP	293
SSS	8/27/18	3119 N FIRST AVE	9034	9152	23003	15	RCP	59
SSS	8/27/18	3301 N FIRST AVE	8993	9034	23004	15	RCP	272
SSS	8/27/18	600 W BUENA VISTA RD	3824	3821	23769	8	VCP	565
SSS	8/27/18	416 COLONIAL AVE	8954	4124	24120	8	VCP	304
SSS	8/27/18	3301 N FIRST AVE	9152	281871	28438	15	RCP	7
SSS	8/27/18	1755 HICKS DR	282951	282952	29539	8	PVC	402
SSS	8/27/18	1755 HICKS DR	282950	282951	29540	8	PVC	172
SSS	8/27/18	1754 S DEXTER AVE	CO	99626	29137	8	RPM	148
SSS	8/27/18	1754 S DEXTER AVE	99626	69343	14551	8	VCP	269
SSS	8/27/18	2922 SWEETSER AVE	69340	69343	21508	12	VCP	134
SSS	8/27/18	1801 MCCONNELL AVE	69341	69340	21515	12	VCP	227
SSS	8/27/18	1755 MCCONNELL AVE	69343	37162	21507	12	VCP	186

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	8/27/18	1603 HICKS DR	10033	2943	23406	10	VCP	330
SSS	8/27/18	1755 HICKS DR	282953	282954	29536	8	PVC	19
SSS	8/27/18	1755 HICKS DR	282952	282953	29537	8	PVC	94
CSS	8/27/18	1725 MCCONNELL AVE	37162	4022	21511	12	VCP	344
SSS	8/27/18	1813 MCCONNELL AVE	2762	69341	21516	12	VCP	203
SSS	8/28/18	2813 N FIRST AVE	9102	9068	24298	8	VCP	291
SSS	8/28/18	3001 SOUTHEAST BLVD	2761	2762	21504	8	VCP	52
SSS	8/29/18	4701 CASS AVE	282108	10108	6138	8	RCP	130
SSS	8/29/18	4705 ST. PATRICK CT.	70156	70157	6664	8	RPM	379
SSS	8/29/18	4701 CASS AVE	AEP	282108	28668	8	RCP	134
SSS	8/30/18	4501 CASS AVE	10060	281798	6140	8	VCP	301
SSS	8/30/18	3101 SOUTHEAST BLVD	9888	2761	21505	8	VCP	310
SSS	8/30/18	4737 GREENCOVE AVE	10114	2771	6141	8	VCP	252
SSS	8/30/18	1771 VANN AVE	69342	69340	21506	10	VCP	367
SSS	8/30/18	3114 CONLIN AVE	2694	2695	21513	10	VCP	67
SSS	8/30/18	4737 CASS AVE	281798	10114	28330	8	VCP	262
SSS	8/30/18	3107 SWEETSER AVE	2695	69342	21509	10	VCP	193
SSS	8/31/18	2501 OLD BRIDGE CT	9146	9020	6501	8	RPM	159
SSS	8/31/18	2501 OLD BRIDGE CT	9142	9146	6509	8	RPM	95
SSS	8/31/18	4339 MILLBROOK LN	281527	281526	27237	8	PVC	143
SSS	8/31/18	4400 BLUEBERRY CT	281529	281528	27240	8	PVC	71
SSS	8/31/18	4400 KIWI CT	281530	281528	27239	8	PVC	111
SSS	8/31/18	4339 N FULTON AVE	281528	281527	27236	8	VCP	74
SSS	8/31/18	4339 MILLBROOK LN	281526	3729	27238	8	PVC	53
SSS	8/31/18	4321 N FULTON AVE	100035	281527	26000	8	PVC	361
SSS	8/31/18	4301 N FULTON AVE	100041	100035	25990	8	PVC	80
SSS	9/1/18	4531 GREENCOVE AVE	10059	2771	5565	8	VCP	380
SSS	9/1/18	2023 POLSTER DR	10088	10092	22666	8	VCP	382
SSS	9/1/18	2023 EUCLID DR	10092	10091	22694	8	VCP	165
SSS	9/1/18	4513 GREENCOVE AVE	284210	ATC	30870	8	VCP	99
SSS	9/4/18	1164 MILLBROOK LN	3541	3725	15470	15	RCP	130
SSS	9/4/18	1808 MCCONNELL AVE	2697	2696	14553	8	VCP	123
SSS	9/4/18	1808 MCCONNELL AVE	2696	2695	14552	10	VCP	188
SSS	9/4/18	1620 COVERT AVE	10054	10055	5585	8	RPM	90
SSS	9/4/18	1630 COVERT AVE	CO	10054	5586	8	RPM	78
SSS	9/4/18	2800 SOUTHEAST BLVD	4030	283993	30587	8	VCP	201

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	9/4/18	2823 SWEETSER AVE	CO	283993	6648	10	VCP	61
SSS	9/4/18	2801 SOUTHEAST BLVD	9875	4009	6649	10	VCP	400
SSS	9/5/18	1125 CHELSEA LN	3729	3727	15413	15	RCP	225
SSS	9/5/18	4513 MILLBROOK LN	3726	3729	15414	15	RCP	396
SSS	9/5/18	1125 LEICESTER SQ	3727	3728	15419	15	RCP	253
SSS	9/5/18	4501 MILLBROOK LN	3725	3726	15468	15	RCP	351
SSS	9/5/18	2013 S GREENRIVER RD	CO	10083	22663	8	VCP	115
SSS	9/5/18	2808 SOUTHEAST BLVD	9877	9876	12682	10	VCP	42
SSS	9/5/18	1828 HAWTHORNE AVE	9876	9875	12681	10	VCP	111
SSS	9/5/18	2809 SOUTHEAST BLVD	2760	9877	12689	8	VCP	394
SSS	9/5/18	2809 SOUTHEAST BLVD	9881	9877	12683	8	VCP	173
SSS	9/6/18	4301 N FOURTH AVE	14419	14420	11131	8	PVC	124
SSS	9/6/18	4401 N FOURTH AVE	14418	14419	11526	8	PVC	240
SSS	9/6/18	4401 N FOURTH AVE	AEP	14419	11530	8	PVC	2
SSS	9/6/18	1137 W MILL RD	120882	3798	12853	8	VCP	220
SSS	9/6/18	1844 MCCONNELL AVE	9883	9878	12693	8	VCP	130
SSS	9/6/18	3011 SOUTHEAST BLVD	9884	9883	12694	8	VCP	70
SSS	9/6/18	2001 MCLEOD CT	9885	9884	12695	8	VCP	144
SSS	9/6/18	2007 MCLEOD CT	CO	9882	6127	8	VCP	237
SSS	9/6/18	2007 MCLEOD CT	9882	9883	12697	8	VCP	205
SSS	9/6/18	3103 SOUTHEAST BLVD	9886	9885	12696	8	VCP	237
SSS	9/6/18	3103 SOUTHEAST BLVD	CO	9886	6125	8	VCP	66
SSS	9/6/18	1400 S BRENTWOOD DR	AEP	3208	11187	8	VCP	25
SSS	9/6/18	1400 S BRENTWOOD DR	3208	3207	22808	8	VCP	284
SSS	9/6/18	1845 MCCONNELL AVE	9878	2760	12690	8	VCP	61
SSS	9/7/18	4400 N FOURTH AVE	14420	14421	11132	8	RPM	69
SSS	9/7/18	4400 N FOURTH AVE	14421	14422	11133	8	RPM	113
SSS	9/7/18	1125 DOWNING CT	3728	120965	15424	15	RCP	212
SSS	9/7/18	1817 VANN AVE	CO	2694	21514	10	VCP	288
SSS	9/7/18	2911 GRAHAM AVE	9916	9915	7688	8	VCP	158
SSS	9/7/18	2911 GRAHAM AVE	9915	282949	11364	8	VCP	282
SSS	9/7/18	2001 HAWTHORNE AVE	282949	AWW	29529	8	PVC	36
SSS	9/10/18	1125 N FOURTH AVE	14411	3730	11522	10	RPM	171
SSS	9/10/18	1125 N FOURTH AVE	14408	14411	11523	10	RPM	171
SSS	9/10/18	951 NORTH PARK DR	14412	14409	11524	10	RPM	134
SSS	9/10/18	951 NORTH PARK DR	14409	14408	11525	10	RPM	87

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	9/10/18	951 NORTH PARK DR	14414	14413	11527	8	RPM	287
SSS	9/10/18	947 NORTH PARK DR	14413	14412	11528	10	RPM	194
SSS	9/10/18	4400 N FOURTH AVE	14422	14413	11529	8	RPM	82
SSS	9/10/18	2608 CONLIN AVE	AEP	4004	21484	8	VCP	240
SSS	9/10/18	2626 CONLIN AVE	4007	4008	6657	8	VCP	149
SSS	9/10/18	2627 CONLIN AVE	4006	4007	6658	8	VCP	225
SSS	9/10/18	2626 HELMUTH AVE	282948	4006	7689	8	VCP	215
SSS	9/10/18	2626 CONLIN AVE	4008	39819	6656	8	VCP	59
SSS	9/10/18	2626 CONLIN AVE	39819	4009	6655	8	VCP	231
SSS	9/11/18	2626 CONLIN AVE	4004	4008	21483	8	VCP	315
SSS	9/11/18	2610 HELMUTH AVE	4005	4006	24002	8	VCP	286
SSS	9/12/18	3933 N FULTON AVE	3746	283764	11517	10	VCP	316
SSS	9/12/18	4240 N THIRD AVE	3730	3747	15412	15	RCP	231
SSS	9/12/18	4200 N THIRD AVE	3740	3739	15417	15	RCP	238
SSS	9/12/18	4021 N FOURTH AVE	3747	3740	15418	15	RCP	260
SSS	9/12/18	1125 DOWNING CT	AEP	120965	15899	15	RCP	1
SSS	9/12/18	1125 DOWNING CT	120965	3730	16619	15	RCP	21
SSS	9/12/18	3924 N FOURTH AVE	283764	3745	30317	10	VCP	87
SSS	9/13/18	3925 N FOURTH AVE	3745	3739	11516	8	VCP	279
SSS	9/13/18	3926 N FOURTH AVE	3744	3745	11518	8	VCP	196
SSS	9/13/18	1110 N FOURTH AVE	3742	3744	11519	8	VCP	217
SSS	9/13/18	1107 PHELPS LN	3741	3742	11520	8	VCP	92
SSS	9/13/18	1107 PHELPS LN	3743	3741	11521	8	VCP	206
SSS	9/13/18	5605 WINTHROP CT	281305	6585	26944	8	RPM	287
SSS	9/13/18	5767 WINTHROP CT	281306	281305	26943	8	RPM	101
SSS	9/13/18	5605 WINTHROP CT	6585	6579	7296	8	RPM	265
SSS	9/13/18	5605 WINTHROP CT	6584	6585	7298	8	RPM	152
SSS	9/13/18	5609 WINTHROP CT	6582	6584	7299	8	RPM	224
SSS	9/13/18	5613 WINTHROP CT	AEP	6582	30755	8	RPM	109
SSS	9/13/18	5614 WINTHROP CT	CO	6573	7290	8	RPM	61
SSS	9/13/18	5614 WINTHROP CT	6573	6574	7291	8	RPM	147
SSS	9/13/18	5400 WINTHROP CT	6567	6568	7287	8	RPM	250
SSS	9/14/18	1010 W BUENA VISTA RD	3735	41107	15393	15	VCP	297
SSS	9/14/18	1151 N THIRD AVE	3737	3736	15420	15	RCP	251
SSS	9/14/18	4000 W BUENA VISTA RD	3736	38307	15422	15	RCP	250
SSS	9/14/18	1020 W BUENA VISTA RD	38307	3735	15423	15	RCP	364

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	9/14/18	1201 N THIRD AVE	3739	281539	27251	15	RCP	89
SSS	9/14/18	2012 VANN AVE	9923	9924	5561	8	VCP	313
SSS	9/15/18	1527 S BRENTWOOD DR	3204	282931	7610	8	VCP	170
SSS	9/15/18	1500 CONTINENTAL DR	3205	3204	7500	8	VCP	378
SSS	9/17/18	2619 COLORADO AVE	9020	9021	6502	10	RCP	280
SSS	9/17/18	3524 WOODBRIDGE DR	101290	8991	11463	8	RPM	386
SSS	9/17/18	3718 W BUENA VISTA RD	41107	8988	20650	15	RCP	264
SSS	9/17/18	3718 W BUENA VISTA RD	8988	8989	20651	15	RCP	333
SSS	9/17/18	3704 N FIRST AVE	8989	8991	20652	15	RCP	413
SSS	9/17/18	3540 WOODBRIDGE DR	8991	8990	20653	15	RCP	375
SSS	9/18/18	6416 ARCADIAN HWY	6560	2956	23978	8	VCP	350
SSS	9/18/18	6312 WASHINGTON AVE	6535	10178	23984	10	VCP	221
SSS	9/19/18	1530 S BRENTWOOD DR	3206	284212	22615	8	VCP	247
SSS	9/19/18	1400 S BRENTWOOD DR	3207	3206	22807	8	VCP	308
SSS	9/19/18	1530 S BRENTWOOD DR	284212	10153	30878	8	VCP	56
SSS	9/20/18	4311 KRATZVILLE RD	9000	9003	11508	8	RPM	271
SSS	9/20/18	4409 KRATZVILLE RD	9003	9001	11509	8	RPM	270
SSS	9/20/18	4411 KRATZVILLE RD	9001	9002	11510	8	RPM	28
SSS	9/20/18	3401 N FIRST AVE	3820	3817	15396	15	VCP	406
SSS	9/20/18	6409 NEWBURGH RD	6559	6558	23976	8	VCP	221
SSS	9/20/18	6409 NEWBURGH RD	6563	6559	23977	8	VCP	323
SSS	9/20/18	2425 GRAHAM AVE	3987	3986	14739	8	VCP	318
SSS	9/20/18	2722 POLLACK AVE	9917	9916	7690	8	VCP	365
SSS	9/20/18	2722 POLLACK AVE	CO	9916	21518	8	VCP	228
SSS	9/21/18	1400 W MILL RD	9013	9014	11511	8	PVC	214
SSS	9/21/18	3351 N FIRST AVE	3817	3816	15394	15	VCP	55
SSS	9/21/18	4417 KRATZVILLE RD	9002	9004	24096	8	PVC	137
SSS	9/21/18	4501 KRATZVILLE RD	9004	9005	24097	8	PVC	183
SSS	9/21/18	4521 KRATZVILLE RD	9005	9006	24098	8	PVC	258
SSS	9/21/18	4601 KRATZVILLE RD	9006	9014	24099	8	VCP	49
SSS	9/21/18	4215 KRATZVILLE RD	AEP	9000	28337	8	VCP	84
SSS	9/21/18	1908 HAWTHORNE AVE	9880	9881	12684	8	VCP	268
SSS	9/21/18	1908 HAWTHORNE AVE	9879	9880	12685	8	VCP	55
SSS	9/21/18	1914 HAWTHORNE AVE	AEP	9879	12687	8	VCP	44
SSS	9/21/18	1914 HAWTHORNE AVE	CO	9879	12686	8	VCP	230
SSS	9/21/18	2457 SWEETSER AVE	CO	3985	14545	8	VCP	156

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	9/21/18	2457 SWEETSER AVE	3985	3984	14543	10	VCP	65
CSS	9/25/18	1010 VANN AVE	3684	ATC	16880	15	RCP	21
SSS	9/26/18	4112 LONGFIELD DR	3765	3529	11589	8	VCP	245
SSS	9/26/18	3108 SHERIDAN RD	9382	8976	24135	8	VCP	174
SSS	10/2/18	1767 S BOEKE RD	281884	3409	28452	8	VCP	97
SSS	10/2/18	1767 S BOEKE RD	3407	281884	5558	8	VCP	616
SSS	10/3/18	3112 POLLACK AVE	9919	2692	6124	8	VCP	402
SSS	10/3/18	2818 POLLACK AVE	284232	9917	30879	8	VCP	27
SSS	10/3/18	2457 SWEETSER AVE	CO	3985	14544	8	VCP	138
SSS	10/5/18	3300 N FIRST AVE	41108	41109	15392	15	RCP	160
SSS	10/5/18	3300 N FIRST AVE	41109	8984	15401	15	RCP	109
SSS	10/5/18	800 HARTFORD CT	10655	9314	22413	8	VCP	248
SSS	10/5/18	4700 POLLACK AVE	CO	10084	22607	8	VCP	132
SSS	10/5/18	3606 SWEETSER AVE	CO	284171	30816	8	RPM	83
SSS	10/8/18	3360 N FIRST AVE	8990	8986	20654	15	RCP	397
SSS	10/8/18	3360 N FIRST AVE	8986	41108	20656	15	RCP	164
SSS	10/9/18	2801 SOUTHEAST BLVD	9874	9875	6647	8	VCP	139
SSS	10/10/18	4200 N THIRD AVE	281539	3738	15415	15	VCP	173
SSS	10/11/18	640 S HEBRON AVE	284235	6966	30905	8	VCP	174
SSS	10/12/18	5108 N FOURTH AVE	AEP	9300	11775	10	VCP	156
SSS	10/12/18	5601 TULANE RD	9540	9546	11997	8	VCP	169
SSS	10/16/18	3704 N FIRST AVE	3818	3819	15400	15	VCP	75
SSS	10/16/18	1006 BRYAN RD	122402	122401	11796	8	VCP	296
SSS	10/16/18	3700 COLONIAL AVE	282105	4110	23494	8	VCP	173
SSS	10/16/18	4822 RIDGE KNOLL DR	9347	9348	11875	8	VCP	88
SSS	10/18/18	2820 POLLACK AVE	284213	284232	30898	8	VCP	154
SSS	10/18/18	3020 POLLACK AVE	2692	284213	7921	8	VCP	13
SSS	10/26/18	2524 CROSS VALLEY CIR	9135	9147	6517	8	RPM	261
SSS	10/26/18	4000 N THIRD AVE	3738	3737	15416	15	RCP	72
SSS	10/26/18	2927 LOHOFF AVE	9043	9047	22995	8	VCP	348
SSS	10/31/18	2912 N THIRD AVE	9072	9071	14755	8	VCP	195
SSS	10/31/18	3501 N FIRST AVE	3819	3820	15397	15	VCP	551
SSS	11/20/18	6600 N FIRST AVE	10710	10709	12042	8	VCP	88
SSS	11/21/18	3021 KRATZVILLE RD	9081	9080	24050	15	VCP	20
SSS	11/21/18	2007 MCLEOD CT	AEP	9882	6126	8	VCP	72
SSS	11/21/18	1821 STEVENS AVE	CO	4001	14541	8	VCP	58

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	11/29/18	3301 N FIRST AVE	8984	8983	20655	15	RCP	93
SSS	11/29/18	3301 N FIRST AVE	3816	8983	15395	15	VCP	278
SSS	11/30/18	753 NORTH PARK DR	3537	3536	11549	8	VCP	329
SSS	11/30/18	1137 W MILL RD	41104	3800	12852	8	VCP	14
SSS	11/30/18	4206 N FIRST AVE	282362	3768	15433	15	VCP	120
CSS Total Inspected (ft)								1,948
SSS Total Inspected (ft)								140,274
Total 8" to 15" Diameter Pipes Inspected (ft) *								142,223

* Total includes 3,440 ft of SSS inspections that were not submitted in SAR 2018-1

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	4/5/18	7005 E REDWING DR	CO	CO	7620	8	VCP	84
SSS	7/17/18	5020 BELLEMEADE AVE	6447	6446	7278	8	RCP	160
SSS	7/17/18	4630 BAYARD PARK DR	6975	6976	23264	8	VCP	506
CSS Total Inspected (ft)								0
SSS Total Inspected (ft)								750
Total 8" to 15" Diameter Pipes Inspected (ft) *								750

* Total includes 84 ft of SSS inspections that were not submitted in SAR 2018-1

TABLE 7-7

Manhole Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
9317	W-8-7	2/28/18	2.00
10561	E-6-11	3/21/18	2.00
10567	E-6-11	3/21/18	2.00
10511	E-6-11	4/7/18	2.00
284161	W-8-4	4/17/18	2.00
14239	E-6-7	5/7/18	1.00
14250	E-6-7	5/8/18	2.00
3497	E-6-6	5/10/18	2.00
9086	W-8-2	5/17/18	2.00
9499	W-8-1	6/22/18	2.00
3114	E-6-7	7/2/18	1.00
3115	E-6-7	7/2/18	1.00
3116	E-6-7	7/2/18	1.00
3117	E-6-7	7/2/18	1.00
3118	E-6-7	7/2/18	1.00
3120	E-6-7	7/2/18	1.00
3121	E-6-7	7/2/18	1.00
3122	E-6-7	7/2/18	1.00
3123	E-6-7	7/2/18	1.00
3125	E-6-7	7/2/18	1.00
3144	E-6-7	7/2/18	1.00
5014	E-6-7	7/2/18	1.00
6287	E-6-5	7/2/18	1.00
6288	E-6-5	7/2/18	1.00
6444	E-6-5	7/2/18	1.00
6446	E-6-5	7/2/18	1.00
6447	E-6-5	7/2/18	1.00
6448	E-6-5	7/2/18	1.00
6935	E-6-5	7/2/18	1.00
6943	E-6-5	7/2/18	1.00
6944	E-6-5	7/2/18	1.00
6945	E-6-5	7/2/18	1.00
6949	E-6-5	7/2/18	1.00
6950	E-6-5	7/2/18	1.00
6951	E-6-5	7/2/18	1.00
6966	E-6-5	7/2/18	1.00
14244	E-6-7	7/2/18	1.00
14303	E-6-7	7/2/18	1.00
71049	E-6-5	7/2/18	1.00
284136	E-6-5	7/2/18	1.00
3142	E-6-7	7/3/18	1.00
3143	E-6-7	7/3/18	1.00
5002	E-6-7	7/3/18	1.00
3126	E-6-7	7/5/18	1.00
3127	E-6-7	7/5/18	1.00
3129	E-6-7	7/5/18	1.00
3130	E-6-7	7/5/18	1.00
3131	E-6-7	7/5/18	1.00
3132	E-6-7	7/5/18	1.00
3133	E-6-7	7/5/18	1.00
3134	E-6-7	7/5/18	1.00
3137	E-6-7	7/5/18	1.00
3138	E-6-7	7/5/18	1.00
2788	E-6-7	7/5/18	1.00
3313	E-6-5	7/6/18	1.00
3314	E-6-5	7/6/18	1.00
3315	E-6-5	7/6/18	1.00
6946	E-6-5	7/6/18	1.00
6947	E-6-5	7/6/18	1.00
6948	E-6-5	7/6/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
6952	E-6-5	7/6/18	1.00
6954	E-6-5	7/6/18	1.00
6955	E-6-5	7/6/18	1.00
6957	E-6-5	7/6/18	1.00
6958	E-6-5	7/6/18	1.00
282436	E-6-5	7/6/18	1.00
284135	E-6-5	7/6/18	1.00
284139	E-6-5	7/6/18	1.00
77921	E-6-7	7/6/18	1.00
5015	E-6-7	7/6/18	1.00
10149	E-6-7	7/6/18	1.00
14240	E-6-7	7/9/18	1.00
3140	E-6-7	7/9/18	1.00
3141	E-6-7	7/9/18	1.00
5019	E-6-7	7/9/18	1.00
69700	E-6-4	7/9/18	1.00
69701	E-6-4	7/9/18	1.00
69702	E-6-4	7/9/18	1.00
14249	E-6-7	7/9/18	1.00
14241	E-6-7	7/9/18	1.00
14248	E-6-7	7/9/18	1.00
5016	E-6-7	7/9/18	1.00
3018	E-6-4	7/10/18	1.00
3019	E-6-4	7/10/18	1.00
3952	E-6-4	7/10/18	1.00
3953	E-6-4	7/10/18	1.00
3957	E-6-4	7/10/18	1.00
6941	E-6-5	7/10/18	1.00
6942	E-6-5	7/10/18	1.00
6975	E-6-5	7/10/18	1.00
6976	E-6-5	7/10/18	1.00
6977	E-6-5	7/10/18	1.00
10005	E-6-4	7/10/18	1.00
10006	E-6-4	7/10/18	1.00
10031	E-6-4	7/10/18	1.00
69703	E-6-4	7/10/18	1.00
69704	E-6-4	7/10/18	1.00
281159	E-6-4	7/10/18	1.00
282956	E-6-4	7/10/18	1.00
282957	E-6-4	7/10/18	1.00
282958	E-6-4	7/10/18	1.00
282959	E-6-4	7/10/18	1.00
283704	E-6-4	7/10/18	1.00
284142	E-6-4	7/10/18	1.00
2729	E-6-4	7/11/18	1.00
3514	E-6-4	7/11/18	1.00
3515	E-6-4	7/11/18	1.00
3516	E-6-4	7/11/18	1.00
3517	E-6-4	7/11/18	1.00
3954	E-6-4	7/11/18	1.00
3955	E-6-4	7/11/18	1.00
3956	E-6-4	7/11/18	1.00
6968	E-6-5	7/11/18	1.00
6969	E-6-5	7/11/18	1.00
6970	E-6-5	7/11/18	1.00
6973	E-6-5	7/11/18	1.00
6978	E-6-5	7/11/18	1.00
70775	E-6-4	7/11/18	1.00
281978	E-6-4	7/11/18	1.00
281979	E-6-4	7/11/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
281980	E-6-4	7/11/18	1.00
281981	E-6-4	7/11/18	1.00
282525	E-6-4	7/11/18	1.00
77920	E-6-7	7/12/18	1.00
3030	E-6-4	7/12/18	1.00
3031	E-6-4	7/12/18	1.00
3033	E-6-4	7/12/18	1.00
3034	E-6-4	7/12/18	1.00
3035	E-6-4	7/12/18	1.00
3036	E-6-4	7/12/18	1.00
3037	E-6-4	7/12/18	1.00
3056	E-6-4	7/12/18	1.00
6282	E-6-5	7/12/18	1.00
6284	E-6-5	7/12/18	1.00
6971	E-6-5	7/12/18	1.00
6972	E-6-5	7/12/18	1.00
6974	E-6-5	7/12/18	1.00
39241	E-6-4	7/12/18	1.00
71020	E-6-4	7/12/18	1.00
77918	E-6-7	7/12/18	1.00
77919	E-6-7	7/12/18	1.00
3201	E-6-7	7/13/18	1.00
3202	E-6-7	7/13/18	1.00
3203	E-6-7	7/13/18	1.00
282932	E-6-7	7/13/18	1.00
2683	E-6-4	7/13/18	1.00
2684	E-6-4	7/13/18	1.00
2718	E-6-10	7/13/18	2.00
2720	E-6-10	7/13/18	1.00
2721	E-6-10	7/13/18	1.00
2755	E-6-10	7/13/18	1.00
3263	E-6-10	7/13/18	1.00
3264	E-6-10	7/13/18	1.00
3265	E-6-10	7/13/18	1.00
3266	E-6-10	7/13/18	1.00
3506	E-6-4	7/13/18	1.00
3509	E-6-4	7/13/18	1.00
14106	E-6-10	7/13/18	1.00
14107	E-6-10	7/13/18	1.00
14108	E-6-10	7/13/18	1.00
70781	E-6-4	7/13/18	1.00
284101	E-6-10	7/13/18	1.00
2692	E-6-1	7/16/18	2.00
9880	E-6-1	7/16/18	1.00
9881	E-6-1	7/16/18	1.00
9915	E-6-1	7/16/18	1.00
9916	E-6-1	7/16/18	1.00
9919	E-6-1	7/16/18	2.00
14126	E-6-10	7/16/18	1.00
14130	E-6-10	7/16/18	1.00
282948	E-6-1	7/16/18	1.00
282949	E-6-1	7/16/18	1.00
284213	E-6-1	7/16/18	1.00
2761	E-6-1	7/17/18	1.00
2762	E-6-1	7/17/18	1.00
4009	E-6-1	7/17/18	1.00
5000	E-6-10	7/17/18	1.00
5001	E-6-10	7/17/18	2.00
9874	E-6-1	7/17/18	1.00
9875	E-6-1	7/17/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
9876	E-6-1	7/17/18	1.00
9877	E-6-1	7/17/18	1.00
9885	E-6-1	7/17/18	1.00
9886	E-6-1	7/17/18	1.00
9888	E-6-1	7/17/18	1.00
14017	E-6-10	7/17/18	1.00
14113	E-6-10	7/17/18	1.00
14114	E-6-10	7/17/18	1.00
14127	E-6-10	7/17/18	1.00
14128	E-6-10	7/17/18	1.00
37162	E-6-1	7/17/18	2.00
69340	E-6-1	7/17/18	1.00
69341	E-6-1	7/17/18	1.00
69343	E-6-1	7/17/18	2.00
99626	E-6-1	7/17/18	1.00
2682	E-6-4	7/18/18	1.00
2694	E-6-1	7/18/18	1.00
2696	E-6-1	7/18/18	1.00
69342	E-6-1	7/18/18	1.00
78446	E-6-10	7/18/18	1.00
78447	E-6-10	7/18/18	1.00
78448	E-6-10	7/18/18	1.00
283008	E-6-1	7/19/18	1.00
283009	E-6-1	7/19/18	1.00
283010	E-6-1	7/19/18	1.00
283038	E-6-1	7/19/18	1.00
283039	E-6-1	7/19/18	1.00
2685	E-6-4	7/19/18	1.00
3053	E-6-4	7/19/18	1.00
3054	E-6-4	7/19/18	1.00
3055	E-6-4	7/19/18	1.00
14111	E-6-10	7/19/18	2.00
14165	E-6-10	7/19/18	2.00
14170	E-6-10	7/19/18	2.00
14172	E-6-10	7/19/18	1.00
14173	E-6-10	7/19/18	1.00
282992	E-6-1	7/19/18	1.00
282993	E-6-1	7/19/18	1.00
283003	E-6-1	7/19/18	1.00
283004	E-6-1	7/19/18	1.00
283037	E-6-1	7/19/18	1.00
283041	E-6-1	7/19/18	1.00
284284	E-6-1	7/19/18	1.00
3402	E-6-1	7/20/18	1.00
3403	E-6-1	7/20/18	1.00
283020	E-6-1	7/20/18	1.00
283021	E-6-1	7/20/18	1.00
3360	E-6-1	7/20/18	1.00
3508	E-6-4	7/20/18	1.00
283011	E-6-1	7/20/18	2.00
283012	E-6-1	7/20/18	1.00
283024	E-6-1	7/20/18	1.00
283025	E-6-1	7/20/18	1.00
283026	E-6-1	7/20/18	1.00
283029	E-6-1	7/20/18	1.00
283030	E-6-1	7/20/18	1.00
67493	E-6-1	7/23/18	1.00
283014	E-6-1	7/23/18	1.00
283015	E-6-1	7/23/18	1.00
283031	E-6-1	7/23/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
3510	E-6-4	7/23/18	1.00
3511	E-6-4	7/23/18	1.00
3512	E-6-4	7/23/18	1.00
3513	E-6-4	7/23/18	1.00
70779	E-6-4	7/23/18	1.00
70780	E-6-4	7/23/18	1.00
281561	E-6-4	7/23/18	1.00
3407	E-6-1	7/24/18	1.00
3977	E-6-1	7/24/18	1.00
3978	E-6-1	7/24/18	1.00
3979	E-6-1	7/24/18	1.00
282497	E-6-1	7/24/18	1.00
283017	E-6-1	7/24/18	1.00
283018	E-6-1	7/24/18	1.00
283040	E-6-1	7/24/18	1.00
2686	E-6-4	7/24/18	1.00
3024	E-6-4	7/24/18	1.00
3025	E-6-4	7/24/18	1.00
3026	E-6-4	7/24/18	1.00
3027	E-6-4	7/24/18	1.00
3028	E-6-4	7/24/18	1.00
3029	E-6-4	7/24/18	1.00
3394	E-6-1	7/24/18	2.00
3396	E-6-1	7/24/18	1.00
3397	E-6-1	7/24/18	1.00
3398	E-6-1	7/24/18	1.00
3399	E-6-1	7/24/18	1.00
3404	E-6-1	7/24/18	1.00
3409	E-6-1	7/24/18	1.00
3410	E-6-1	7/24/18	1.00
14174	E-6-10	7/24/18	2.00
70782	E-6-4	7/24/18	1.00
281160	E-6-4	7/24/18	1.00
281884	E-6-1	7/24/18	1.00
281885	E-6-1	7/24/18	1.00
282939	E-6-4	7/24/18	1.00
282940	E-6-4	7/24/18	1.00
282941	E-6-4	7/24/18	1.00
283016	E-6-1	7/24/18	1.00
283019	E-6-1	7/24/18	1.00
284160	E-6-4	7/24/18	1.00
3413	E-6-1	7/25/18	1.00
282989	E-6-1	7/25/18	1.00
282990	E-6-1	7/25/18	1.00
14175	E-6-10	7/25/18	1.00
14169	E-6-10	7/25/18	2.00
14019	E-6-10	7/25/18	2.00
14018	E-6-10	7/25/18	1.00
2941	E-6-4	7/25/18	1.00
2942	E-6-4	7/25/18	1.00
2943	E-6-4	7/25/18	1.00
2944	E-6-4	7/25/18	1.00
3023	E-6-4	7/25/18	1.00
3976	E-6-1	7/25/18	1.00
3980	E-6-1	7/25/18	1.00
4010	E-6-1	7/25/18	1.00
4011	E-6-1	7/25/18	1.00
4012	E-6-1	7/25/18	1.00
4013	E-6-1	7/25/18	1.00
4014	E-6-1	7/25/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
4015	E-6-1	7/25/18	1.00
10536	E-6-11	7/25/18	1.00
10557	E-6-11	7/25/18	1.00
10558	E-6-11	7/25/18	1.00
10559	E-6-11	7/25/18	1.00
281882	E-6-1	7/25/18	1.00
14079	E-6-10	7/26/18	1.00
14078	E-6-10	7/26/18	1.00
14077	E-6-10	7/26/18	1.00
10579	E-6-10	7/26/18	1.00
2759	E-6-1	7/26/18	1.00
3975	E-6-1	7/26/18	1.00
3981	E-6-1	7/26/18	1.00
3982	E-6-1	7/26/18	1.00
4004	E-6-1	7/26/18	1.00
4008	E-6-1	7/26/18	1.00
4017	E-6-1	7/26/18	1.00
4018	E-6-1	7/26/18	1.00
4028	E-6-1	7/26/18	1.00
4029	E-6-1	7/26/18	1.00
14074	E-6-10	7/26/18	1.00
14076	E-6-10	7/26/18	1.00
14167	E-6-10	7/26/18	2.00
14171	E-6-10	7/26/18	2.00
99627	E-6-1	7/26/18	1.00
282068	E-6-1	7/26/18	1.00
4005	E-6-1	7/27/18	2.00
4006	E-6-1	7/27/18	1.00
4007	E-6-1	7/27/18	1.00
7621	E-6-1	7/27/18	1.00
39819	E-6-1	7/27/18	1.00
10564	E-6-11	7/28/18	1.00
14075	E-6-11	7/28/18	1.00
78136	E-6-11	7/28/18	1.00
280539	E-6-11	7/28/18	1.00
281989	E-6-11	7/28/18	1.00
3987	E-6-1	7/30/18	1.00
3988	E-6-1	7/30/18	1.00
3989	E-6-1	7/30/18	1.00
3990	E-6-1	7/30/18	1.00
3992	E-6-1	7/30/18	1.00
3994	E-6-1	7/30/18	1.00
3997	E-6-1	7/30/18	1.00
14168	E-6-10	7/30/18	1.00
99633	E-6-1	7/30/18	1.00
282409	E-6-1	7/30/18	1.00
284074	E-6-1	7/30/18	1.00
3996	E-6-1	7/31/18	1.00
4001	E-6-1	7/31/18	1.00
4002	E-6-1	7/31/18	1.00
3361	E-6-1	8/1/18	1.00
3362	E-6-1	8/1/18	1.00
3412	E-6-1	8/1/18	1.00
3984	E-6-1	8/1/18	1.00
3985	E-6-1	8/1/18	1.00
67497	E-6-1	8/1/18	1.00
282996	E-6-1	8/1/18	1.00
2760	E-6-1	8/3/18	1.00
3390	E-6-1	8/3/18	1.00
3391	E-6-1	8/3/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
3401	E-6-1	8/3/18	1.00
3405	E-6-1	8/3/18	2.00
3406	E-6-1	8/3/18	2.00
3411	E-6-1	8/3/18	2.00
9878	E-6-1	8/3/18	1.00
9882	E-6-1	8/3/18	1.00
9883	E-6-1	8/3/18	1.00
9884	E-6-1	8/3/18	1.00
67495	E-6-1	8/3/18	1.00
3292	E-6-2	8/7/18	1.00
3293	E-6-2	8/7/18	1.00
3713	E-6-1	8/7/18	1.00
3716	E-6-2	8/7/18	1.00
3717	E-6-2	8/7/18	1.00
283022	E-6-1	8/7/18	1.00
3294	E-6-2	8/7/18	1.00
3364	E-6-1	8/7/18	1.00
3365	E-6-1	8/7/18	1.00
3711	E-6-1	8/7/18	1.00
3712	E-6-1	8/7/18	1.00
3719	E-6-2	8/7/18	1.00
3471	E-6-2	8/8/18	1.00
3718	E-6-2	8/8/18	1.00
3722	E-6-2	8/8/18	1.00
4022	E-6-1	8/8/18	1.00
172570	E-6-2	8/8/18	1.00
9945	E-6-2	8/8/18	1.00
9946	E-6-2	8/8/18	1.00
9950	E-6-2	8/8/18	2.00
9951	E-6-2	8/8/18	1.00
9952	E-6-2	8/8/18	1.00
10029	E-6-2	8/8/18	1.00
14283	E-6-2	8/8/18	1.00
69706	E-6-2	8/8/18	1.00
172571	E-6-2	8/8/18	1.00
282411	E-6-2	8/8/18	1.00
10030	E-6-2	8/8/18	1.00
2764	E-6-2	8/10/18	1.00
2765	E-6-2	8/10/18	1.00
2768	E-6-2	8/10/18	2.00
9936	E-6-2	8/10/18	1.00
9937	E-6-2	8/10/18	1.00
9943	E-6-2	8/10/18	1.00
9944	E-6-2	8/10/18	1.00
9947	E-6-2	8/10/18	1.00
9949	E-6-2	8/10/18	1.00
9958	E-6-2	8/10/18	1.00
9981	E-6-2	8/10/18	1.00
9984	E-6-2	8/10/18	1.00
10028	E-6-2	8/10/18	1.00
69707	E-6-2	8/10/18	1.00
69709	E-6-2	8/10/18	2.00
283082	E-6-2	8/10/18	1.00
284171	E-6-2	8/10/18	1.00
9929	E-6-2	8/14/18	1.00
9930	E-6-2	8/14/18	1.00
9931	E-6-2	8/14/18	1.00
9933	E-6-2	8/14/18	1.00
9934	E-6-2	8/14/18	1.00
9942	E-6-2	8/14/18	2.00

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Manhole Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
9976	E-6-2	8/14/18	1.00
9977	E-6-2	8/14/18	1.00
9978	E-6-2	8/14/18	2.00
9979	E-6-2	8/14/18	1.00
9980	E-6-2	8/14/18	2.00
282987	E-6-2	8/14/18	1.00
283062	E-6-2	8/14/18	1.00
9973	E-6-2	8/15/18	1.00
9974	E-6-2	8/15/18	1.00
9975	E-6-2	8/15/18	1.00
9982	E-6-2	8/15/18	1.00
9983	E-6-2	8/15/18	1.00
2766	E-6-2	8/15/18	1.00
2767	E-6-2	8/15/18	1.00
9953	E-6-2	8/15/18	2.00
10007	E-6-2	8/15/18	1.00
10008	E-6-2	8/15/18	1.00
10011	E-6-2	8/15/18	2.00
69705	E-6-2	8/15/18	1.00
69711	E-6-2	8/15/18	2.00
99668	E-6-2	8/15/18	1.00
281877	E-6-2	8/15/18	2.00
281878	E-6-2	8/15/18	1.00
281879	E-6-2	8/15/18	1.00
282935	E-6-2	8/15/18	1.00
282986	E-6-2	8/15/18	2.00
3998	E-6-1	8/16/18	3.00
14537	W-8-8	8/16/18	1.00
14538	W-8-8	8/16/18	1.00
14539	W-8-8	8/16/18	1.00
14544	W-8-8	8/16/18	1.00
14545	W-8-8	8/16/18	1.00
124599	W-8-8	8/16/18	1.00
124600	W-8-8	8/16/18	1.00
124601	W-8-8	8/16/18	1.00
9926	E-6-2	8/16/18	1.00
9928	E-6-2	8/16/18	1.00
9938	E-6-2	8/16/18	1.00
9939	E-6-2	8/16/18	1.00
9959	E-6-2	8/16/18	2.00
9960	E-6-2	8/16/18	2.00
9961	E-6-2	8/16/18	2.00
9962	E-6-2	8/16/18	1.00
9963	E-6-2	8/16/18	1.00
10009	E-6-2	8/16/18	1.00
10010	E-6-2	8/16/18	2.00
69712	E-6-2	8/16/18	2.00
99669	E-6-2	8/16/18	1.00
99693	E-6-2	8/16/18	1.00
284169	E-6-2	8/16/18	1.00
10673	W-8-8	8/17/18	1.00
10674	W-8-8	8/17/18	1.00
10679	W-8-8	8/17/18	1.00
10680	W-8-8	8/17/18	1.00
10681	W-8-8	8/17/18	1.00
10684	W-8-8	8/17/18	1.00
10686	W-8-8	8/17/18	1.00
10687	W-8-8	8/17/18	1.00
10689	W-8-8	8/17/18	1.00
10690	W-8-8	8/17/18	1.00

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Manhole Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
10691	W-8-8	8/17/18	1.00
9324	W-8-8	8/19/18	1.00
10628	W-8-8	8/20/18	1.00
10629	W-8-8	8/20/18	1.00
10630	W-8-8	8/20/18	1.00
10631	W-8-8	8/20/18	1.00
10634	W-8-8	8/20/18	1.00
10635	W-8-8	8/20/18	1.00
10667	W-8-8	8/20/18	1.00
10668	W-8-8	8/20/18	1.00
10669	W-8-8	8/20/18	1.00
10678	W-8-8	8/20/18	1.00
3472	E-6-2	8/20/18	1.00
9932	E-6-2	8/20/18	1.00
9935	E-6-2	8/20/18	1.00
9972	E-6-2	8/20/18	1.00
9986	E-6-2	8/20/18	1.00
9987	E-6-2	8/20/18	1.00
9988	E-6-2	8/20/18	1.00
9989	E-6-2	8/20/18	2.00
69351	E-6-2	8/20/18	1.00
3473	E-6-2	8/20/18	1.00
9927	E-6-2	8/20/18	1.00
9923	E-6-2	8/20/18	1.00
9924	E-6-2	8/20/18	1.00
9116	W-8-1	8/21/18	2.00
10229	W-8-8	8/21/18	1.00
10241	W-8-8	8/21/18	1.00
10242	W-8-8	8/21/18	1.00
10243	W-8-8	8/21/18	1.00
10244	W-8-8	8/21/18	1.00
10247	W-8-8	8/21/18	1.00
10248	W-8-8	8/21/18	1.00
124379	W-8-8	8/21/18	1.00
282396	W-8-8	8/21/18	1.00
3041	E-6-3	8/21/18	1.00
3042	E-6-3	8/21/18	1.00
3043	E-6-3	8/21/18	1.00
3100	E-6-3	8/21/18	2.00
3102	E-6-3	8/21/18	1.00
3107	E-6-3	8/21/18	1.00
3198	E-6-3	8/21/18	1.00
3105	E-6-3	8/21/18	2.00
14236	E-6-3	8/21/18	1.00
14235	E-6-3	8/21/18	1.00
10102	E-6-3	8/21/18	1.00
3104	E-6-3	8/21/18	2.00
3103	E-6-3	8/21/18	1.00
10060	E-6-3	8/22/18	2.00
10061	E-6-3	8/22/18	1.00
10062	E-6-3	8/22/18	1.00
10114	E-6-3	8/22/18	1.00
14270	E-6-3	8/22/18	1.00
14271	E-6-3	8/22/18	1.00
14272	E-6-3	8/22/18	1.00
281797	E-6-3	8/22/18	1.00
281798	E-6-3	8/22/18	1.00
10236	W-8-8	8/23/18	1.00
10237	W-8-8	8/23/18	1.00
282736	W-8-8	8/23/18	1.00

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Manhole Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
10071	E-6-3	8/23/18	1.00
10073	E-6-3	8/23/18	1.00
10081	E-6-3	8/23/18	1.00
10108	E-6-3	8/23/18	1.00
282108	E-6-3	8/23/18	1.00
10113	E-6-3	8/23/18	1.00
2771	E-6-3	8/23/18	1.00
10059	E-6-3	8/23/18	1.00
10058	E-6-3	8/23/18	1.00
3106	E-6-3	8/23/18	1.00
10090	E-6-3	8/23/18	1.00
10087	E-6-3	8/23/18	1.00
3099	E-6-3	8/23/18	1.00
3101	E-6-3	8/23/18	1.00
3040	E-6-3	8/23/18	1.00
10238	W-8-8	8/30/18	1.00
10239	W-8-8	8/30/18	1.00
10240	W-8-8	8/30/18	1.00
3986	E-6-1	8/30/18	1.00
283023	E-6-1	8/30/18	1.00
9365	W-8-8	9/4/18	1.00
9371	W-8-8	9/4/18	1.00
9372	W-8-8	9/4/18	1.00
9373	W-8-8	9/4/18	1.00
9376	W-8-8	9/4/18	1.00
10033	E-6-3	9/6/18	1.00
10080	E-6-3	9/6/18	1.00
10086	E-6-3	9/6/18	1.00
10089	E-6-3	9/6/18	1.00
10091	E-6-3	9/6/18	1.00
10092	E-6-3	9/6/18	1.00
282950	E-6-3	9/6/18	1.00
282951	E-6-3	9/6/18	1.00
284166	E-6-2	9/6/18	1.00
284180	E-6-1	9/6/18	2.00
5013	E-6-7	9/7/18	1.00
5007	E-6-7	9/7/18	1.00
5009	E-6-7	9/7/18	1.00
5006	E-6-7	9/7/18	1.00
5005	E-6-7	9/7/18	1.00
5004	E-6-7	9/7/18	1.00
14247	E-6-7	9/7/18	1.00
14238	E-6-7	9/7/18	1.00
3119	E-6-7	9/7/18	1.00
14246	E-6-7	9/7/18	2.00
14245	E-6-7	9/7/18	2.00
14237	E-6-7	9/7/18	2.00
5003	E-6-7	9/10/18	1.00
2719	E-6-10	9/10/18	2.00
2959	E-6-8	9/10/18	1.00
10527	E-6-10	9/10/18	1.00
14110	E-6-10	9/10/18	1.00
280533	E-6-10	9/10/18	1.00
280537	E-6-10	9/10/18	1.00
282267	E-6-8	9/10/18	1.00
2939	E-6-2	9/11/18	1.00
2940	E-6-2	9/11/18	1.00
9994	E-6-2	9/11/18	1.00
10518	E-6-11	9/11/18	1.00
10566	E-6-11	9/11/18	1.00

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Manhole Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
10581	E-6-11	9/11/18	1.00
10580	E-6-11	9/11/18	1.00
10595	E-6-11	9/11/18	2.00
10568	E-6-11	9/11/18	1.00
10515	E-6-11	9/11/18	1.00
10486	E-6-11	9/12/18	1.00
10512	E-6-11	9/12/18	2.00
78141	E-6-11	9/12/18	1.00
78142	E-6-11	9/12/18	1.00
78143	E-6-11	9/12/18	1.00
78144	E-6-11	9/12/18	1.00
9322	W-8-8	9/13/18	1.00
10223	W-8-8	9/13/18	1.00
10636	W-8-8	9/13/18	1.00
3145	E-6-7	9/13/18	1.00
3146	E-6-7	9/13/18	1.00
10562	E-6-11	9/13/18	2.00
10591	E-6-11	9/13/18	1.00
10592	E-6-11	9/13/18	1.00
10507	E-6-11	9/13/18	1.00
10508	E-6-11	9/13/18	1.00
10510	E-6-11	9/13/18	1.00
10517	E-6-11	9/13/18	1.00
10563	E-6-11	9/13/18	1.00
10560	E-6-11	9/13/18	1.00
10585	E-6-11	9/13/18	1.00
10584	E-6-11	9/13/18	1.00
4049	W-8-1	9/14/18	3.00
4050	W-8-1	9/14/18	1.00
4051	W-8-1	9/14/18	1.00
4053	W-8-1	9/14/18	1.00
4061	W-8-1	9/14/18	1.00
4062	W-8-1	9/14/18	2.00
4063	W-8-1	9/14/18	1.00
4064	W-8-1	9/14/18	1.00
4065	W-8-1	9/14/18	1.00
4066	W-8-1	9/14/18	1.00
4068	W-8-1	9/14/18	1.00
8957	W-8-1	9/14/18	2.00
8960	W-8-1	9/14/18	1.00
8977	W-8-1	9/14/18	1.00
8978	W-8-1	9/14/18	1.00
8979	W-8-1	9/14/18	1.00
9484	W-8-1	9/14/18	2.00
9485	W-8-1	9/14/18	1.00
14407	W-8-1	9/14/18	1.00
98863	W-8-1	9/14/18	1.00
10224	W-8-8	9/17/18	1.00
10225	W-8-8	9/17/18	1.00
10226	W-8-8	9/17/18	1.00
10227	W-8-8	9/17/18	1.00
3539	W-8-1	9/18/18	2.00
4048	W-8-1	9/18/18	1.00
4120	W-8-1	9/18/18	1.00
4121	W-8-1	9/18/18	1.00
4122	W-8-1	9/18/18	1.00
4123	W-8-1	9/18/18	1.00
4124	W-8-1	9/18/18	1.00
4125	W-8-1	9/18/18	1.00
8951	W-8-1	9/18/18	1.00

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Manhole Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
8954	W-8-1	9/18/18	1.00
8958	W-8-1	9/18/18	1.00
8969	W-8-1	9/18/18	1.00
8970	W-8-1	9/18/18	1.00
8975	W-8-1	9/18/18	1.00
14402	W-8-1	9/18/18	1.00
14403	W-8-1	9/18/18	1.00
14404	W-8-1	9/18/18	1.00
14405	W-8-1	9/18/18	2.00
14406	W-8-1	9/18/18	2.00
4067	W-8-1	9/19/18	1.00
8961	W-8-1	9/19/18	1.00
8962	W-8-1	9/19/18	1.00
8963	W-8-1	9/19/18	1.00
8964	W-8-1	9/19/18	1.00
8966	W-8-1	9/19/18	1.00
8967	W-8-1	9/19/18	1.00
8968	W-8-1	9/19/18	1.00
8972	W-8-1	9/19/18	2.00
8976	W-8-1	9/19/18	1.00
8980	W-8-1	9/19/18	1.00
8981	W-8-1	9/19/18	2.00
8982	W-8-1	9/19/18	1.00
9031	W-8-1	9/19/18	1.00
9032	W-8-1	9/19/18	1.00
9151	W-8-1	9/19/18	1.00
96916	W-8-1	9/19/18	1.00
96917	W-8-1	9/19/18	1.00
9374	W-8-8	9/20/18	1.00
14523	W-8-8	9/20/18	1.00
14524	W-8-8	9/20/18	1.00
14540	W-8-8	9/20/18	1.00
284083	W-8-8	9/20/18	1.00
9020	W-8-1	9/20/18	1.00
9136	W-8-1	9/20/18	1.00
9137	W-8-1	9/20/18	1.00
9134	W-8-1	9/25/18	1.00
9135	W-8-1	9/25/18	1.00
9139	W-8-1	9/25/18	2.00
9140	W-8-1	9/25/18	2.00
9141	W-8-1	9/25/18	1.00
9142	W-8-1	9/25/18	1.00
283801	W-8-1	9/25/18	1.00
283802	W-8-1	9/25/18	1.00
9029	W-8-1	9/27/18	1.00
9102	W-8-2	9/27/18	1.00
9103	W-8-2	9/27/18	1.00
9104	W-8-2	9/27/18	1.00
9105	W-8-2	9/27/18	1.00
9106	W-8-2	9/27/18	1.00
9107	W-8-2	9/27/18	1.00
9108	W-8-2	9/27/18	1.00
9110	W-8-2	9/27/18	1.00
9111	W-8-2	9/27/18	1.00
9112	W-8-2	9/27/18	1.00
9113	W-8-2	9/27/18	1.00
9114	W-8-2	9/27/18	1.00
9115	W-8-2	9/27/18	1.00
9118	W-8-1	9/27/18	1.00
9119	W-8-1	9/27/18	1.00

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Manhole Inspections

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Manhole Facility ID #	Sub-Basin	Date	Rating
9146	W-8-1	9/27/18	2.00
9147	W-8-1	9/27/18	1.00
9149	W-8-1	9/27/18	1.00
281951	W-8-2	9/27/18	1.00
8995	W-8-2	9/28/18	1.00
9043	W-8-2	9/28/18	1.00
9044	W-8-2	9/28/18	1.00
9046	W-8-2	9/28/18	1.00
9047	W-8-2	9/28/18	1.00
9051	W-8-2	9/28/18	1.00
9053	W-8-2	9/28/18	1.00
9055	W-8-2	9/28/18	1.00
9060	W-8-2	9/28/18	2.00
9064	W-8-2	9/28/18	1.00
9065	W-8-2	9/28/18	1.00
9066	W-8-2	9/28/18	1.00
9067	W-8-2	9/28/18	1.00
9069	W-8-2	9/28/18	1.00
9071	W-8-2	9/28/18	1.00
9072	W-8-2	9/28/18	1.00
9073	W-8-2	9/28/18	1.00
9074	W-8-2	9/28/18	1.00
9161	W-8-2	9/28/18	1.00
9162	W-8-2	9/28/18	1.00
10496	E-6-11	9/28/18	1.00
10497	E-6-11	9/28/18	1.00
10498	E-6-11	9/28/18	1.00
10499	E-6-11	9/28/18	1.00
10500	E-6-11	9/28/18	1.00
10569	E-6-11	9/28/18	1.00
10570	E-6-11	9/28/18	1.00
10575	E-6-11	9/28/18	1.00
10576	E-6-11	9/28/18	1.00
98543	E-6-11	9/28/18	1.00
10633	W-8-8	10/1/18	1.00
14525	W-8-8	10/1/18	1.00
14527	W-8-8	10/1/18	1.00
14528	W-8-8	10/1/18	1.00
14529	W-8-8	10/1/18	1.00
14530	W-8-8	10/1/18	1.00
10514	E-6-11	10/1/18	1.00
10521	E-6-11	10/1/18	1.00
10582	E-6-11	10/1/18	1.00
10583	E-6-11	10/1/18	1.00
10586	E-6-11	10/1/18	1.00
10587	E-6-11	10/1/18	1.00
10593	E-6-11	10/1/18	1.00
10594	E-6-11	10/1/18	1.00
100030	E-6-11	10/1/18	1.00
9325	W-8-8	10/2/18	1.00
10232	W-8-8	10/2/18	1.00
10626	W-8-8	10/2/18	1.00
10627	W-8-8	10/2/18	1.00
14388	W-8-8	10/2/18	1.00
10479	E-6-11	10/2/18	1.00
10480	E-6-11	10/2/18	1.00
10481	E-6-11	10/2/18	1.00
10482	E-6-11	10/2/18	1.00
10483	E-6-11	10/2/18	1.00
10484	E-6-11	10/2/18	1.00

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Manhole Inspections

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Manhole Facility ID #	Sub-Basin	Date	Rating
10485	E-6-11	10/2/18	1.00
78137	E-6-11	10/2/18	1.00
78138	E-6-11	10/2/18	1.00
78139	E-6-11	10/2/18	1.00
78140	E-6-11	10/2/18	1.00
100031	E-6-11	10/2/18	1.00
10230	W-8-8	10/3/18	1.00
9084	W-8-2	10/3/18	2.00
3022	E-6-3	10/3/18	1.00
9050	W-8-2	10/3/18	2.00
9088	W-8-2	10/3/18	2.00
9090	W-8-2	10/3/18	2.00
9091	W-8-2	10/3/18	2.00
9094	W-8-2	10/3/18	2.00
9095	W-8-2	10/3/18	2.00
9096	W-8-2	10/3/18	2.00
9097	W-8-2	10/3/18	2.00
9098	W-8-2	10/3/18	2.00
9099	W-8-2	10/3/18	2.00
9101	W-8-2	10/3/18	2.00
9153	W-8-2	10/3/18	2.00
9154	W-8-2	10/3/18	2.00
9155	W-8-2	10/3/18	2.00
9156	W-8-2	10/3/18	2.00
9157	W-8-2	10/3/18	2.00
9160	W-8-2	10/3/18	2.00
9269	W-8-5	10/3/18	1.00
9270	W-8-5	10/3/18	1.00
9272	W-8-5	10/3/18	1.00
9273	W-8-5	10/3/18	1.00
9275	W-8-5	10/3/18	1.00
9276	W-8-5	10/3/18	1.00
9277	W-8-5	10/3/18	1.00
9278	W-8-5	10/3/18	1.00
9279	W-8-5	10/3/18	1.00
9280	W-8-5	10/3/18	1.00
9281	W-8-5	10/3/18	1.00
10044	E-6-3	10/3/18	1.00
10045	E-6-3	10/3/18	1.00
10046	E-6-3	10/3/18	1.00
10047	E-6-3	10/3/18	1.00
10048	E-6-3	10/3/18	1.00
10049	E-6-3	10/3/18	1.00
10050	E-6-3	10/3/18	1.00
10056	E-6-3	10/3/18	1.00
10487	E-6-11	10/3/18	1.00
10488	E-6-11	10/3/18	1.00
10489	E-6-11	10/3/18	1.00
10491	E-6-11	10/3/18	1.00
10588	E-6-11	10/3/18	1.00
10589	E-6-11	10/3/18	1.00
10590	E-6-11	10/3/18	1.00
66378	W-8-2	10/3/18	2.00
66379	W-8-2	10/3/18	2.00
100032	E-6-11	10/3/18	1.00
283115	E-6-11	10/3/18	1.00
284165	W-8-5	10/3/18	1.00
10034	E-6-3	10/4/18	1.00
10035	E-6-3	10/4/18	1.00
10036	E-6-3	10/4/18	1.00

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Manhole Inspections

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Manhole Facility ID #	Sub-Basin	Date	Rating
10037	E-6-3	10/4/18	1.00
281271	E-6-3	10/4/18	1.00
282954	E-6-3	10/4/18	1.00
9318	W-8-7	10/5/18	1.00
10637	W-8-8	10/5/18	1.00
10663	W-8-8	10/5/18	1.00
10670	W-8-8	10/5/18	1.00
10672	W-8-8	10/5/18	1.00
9327	W-8-7	10/8/18	1.00
9329	W-8-7	10/8/18	1.00
9330	W-8-7	10/8/18	1.00
10639	W-8-7	10/8/18	1.00
10641	W-8-7	10/8/18	1.00
123401	W-8-7	10/8/18	1.00
9296	W-8-5	10/8/18	1.00
9313	W-8-5	10/8/18	1.00
10074	E-6-3	10/8/18	1.00
10075	E-6-3	10/8/18	1.00
10076	E-6-3	10/8/18	1.00
10078	E-6-3	10/8/18	1.00
10079	E-6-3	10/8/18	1.00
10083	E-6-3	10/8/18	1.00
10084	E-6-3	10/8/18	1.00
10088	E-6-3	10/8/18	1.00
281272	E-6-3	10/8/18	1.00
282952	E-6-3	10/8/18	1.00
282953	E-6-3	10/8/18	1.00
282955	E-6-4	10/8/18	1.00
283616	E-6-3	10/8/18	1.00
283617	E-6-3	10/8/18	1.00
282397	W-8-8	10/9/18	1.00
2945	E-6-3	10/9/18	1.00
2946	E-6-3	10/9/18	1.00
2947	E-6-3	10/9/18	1.00
3038	E-6-3	10/9/18	1.00
3039	E-6-3	10/9/18	1.00
3863	E-6-3	10/9/18	1.00
10097	E-6-3	10/9/18	1.00
10100	E-6-3	10/9/18	2.00
10101	E-6-3	10/9/18	1.00
10103	E-6-3	10/9/18	1.00
10104	E-6-3	10/9/18	1.00
10105	E-6-3	10/9/18	1.00
10106	E-6-3	10/9/18	1.00
10107	E-6-3	10/9/18	1.00
10110	E-6-3	10/9/18	1.00
10111	E-6-3	10/9/18	1.00
10112	E-6-3	10/9/18	1.00
70144	E-6-3	10/9/18	1.00
70156	E-6-3	10/9/18	1.00
70157	E-6-3	10/9/18	1.00
75848	E-6-3	10/9/18	1.00
3253	E-6-9	10/10/18	1.00
6439	E-6-5	10/10/18	1.00
6489	E-6-5	10/10/18	1.00
9315	W-8-7	10/11/18	1.00
9316	W-8-7	10/11/18	1.00
9319	W-8-7	10/11/18	1.00
9320	W-8-7	10/11/18	1.00
10643	W-8-7	10/11/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
10644	W-8-7	10/11/18	1.00
10645	W-8-7	10/11/18	1.00
10648	W-8-7	10/11/18	1.00
10649	W-8-7	10/11/18	1.00
10650	W-8-7	10/11/18	1.00
10651	W-8-7	10/11/18	1.00
10657	W-8-7	10/11/18	1.00
10658	W-8-7	10/11/18	1.00
10659	W-8-7	10/11/18	1.00
284086	W-8-7	10/11/18	1.00
284087	W-8-7	10/11/18	1.00
284088	W-8-7	10/11/18	1.00
3792	W-8-5	10/11/18	1.00
3793	W-8-5	10/11/18	1.00
3794	W-8-5	10/11/18	1.00
3795	W-8-5	10/11/18	1.00
3796	W-8-5	10/11/18	1.00
3797	W-8-5	10/11/18	1.00
3811	W-8-5	10/11/18	1.00
9285	W-8-5	10/11/18	2.00
9286	W-8-5	10/11/18	1.00
9290	W-8-5	10/11/18	1.00
9292	W-8-5	10/11/18	1.00
9295	W-8-5	10/11/18	1.00
9301	W-8-5	10/11/18	1.00
9308	W-8-5	10/11/18	1.00
9311	W-8-5	10/11/18	1.00
9312	W-8-5	10/11/18	1.00
10054	E-6-3	10/11/18	1.00
122399	W-8-5	10/11/18	2.00
282272	W-8-5	10/11/18	1.00
284178	E-6-1	10/11/18	1.00
284185	E-6-2	10/11/18	1.00
284212	E-6-8	10/11/18	1.00
10654	W-8-7	10/12/18	1.00
10662	W-8-7	10/12/18	1.00
10694	W-8-7	10/12/18	1.00
123399	W-8-7	10/12/18	1.00
8984	W-8-4	10/12/18	1.00
3540	W-8-5	10/12/18	2.00
3541	W-8-5	10/12/18	1.00
3798	W-8-5	10/12/18	2.00
3800	W-8-5	10/12/18	2.00
3805	W-8-5	10/12/18	2.00
3809	W-8-5	10/12/18	2.00
3810	W-8-5	10/12/18	1.00
3812	W-8-5	10/12/18	1.00
9274	W-8-5	10/12/18	1.00
9284	W-8-5	10/12/18	1.00
9287	W-8-5	10/12/18	2.00
9288	W-8-5	10/12/18	1.00
9289	W-8-5	10/12/18	2.00
9303	W-8-5	10/12/18	2.00
41104	W-8-4	10/12/18	1.00
122400	W-8-5	10/12/18	1.00
122401	W-8-5	10/12/18	1.00
10700	W-8-7	10/14/18	1.00
10235	W-8-7	10/15/18	1.00
10697	W-8-7	10/15/18	1.00
10698	W-8-7	10/15/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
10701	W-8-7	10/15/18	1.00
10702	W-8-7	10/15/18	1.00
10709	W-8-7	10/15/18	1.00
10710	W-8-7	10/15/18	1.00
123396	W-8-7	10/15/18	1.00
281058	W-8-7	10/15/18	1.00
6498	E-6-6	10/15/18	1.00
3522	W-8-3	10/15/18	1.00
3525	W-8-3	10/15/18	2.00
3526	W-8-3	10/15/18	1.00
3529	W-8-3	10/15/18	2.00
3534	W-8-3	10/15/18	1.00
3535	W-8-3	10/15/18	1.00
3536	W-8-3	10/15/18	2.00
3537	W-8-3	10/15/18	1.00
3749	W-8-3	10/15/18	1.00
3750	W-8-3	10/15/18	2.00
3764	W-8-3	10/15/18	1.00
3765	W-8-3	10/15/18	2.00
3766	W-8-3	10/15/18	2.00
4096	W-8-3	10/15/18	2.00
4097	W-8-3	10/15/18	1.00
6500	E-6-6	10/15/18	1.00
6564	E-6-6	10/15/18	1.00
6582	E-6-6	10/15/18	1.00
6584	E-6-6	10/15/18	1.00
9271	W-8-5	10/15/18	1.00
9282	W-8-5	10/15/18	2.00
9283	W-8-5	10/15/18	1.00
9297	W-8-5	10/15/18	2.00
9298	W-8-5	10/15/18	2.00
9300	W-8-5	10/15/18	1.00
9302	W-8-5	10/15/18	1.00
10051	E-6-3	10/15/18	1.00
10055	E-6-3	10/15/18	1.00
121254	W-8-3	10/15/18	2.00
122402	W-8-5	10/15/18	1.00
122404	W-8-5	10/15/18	1.00
281273	E-6-3	10/15/18	1.00
281305	E-6-6	10/15/18	1.00
284210	E-6-3	10/15/18	1.00
9331	W-8-7	10/16/18	1.00
10234	W-8-7	10/16/18	1.00
10646	W-8-7	10/16/18	1.00
10647	W-8-7	10/16/18	1.00
10652	W-8-7	10/16/18	1.00
10705	W-8-7	10/16/18	1.00
10707	W-8-7	10/16/18	1.00
10708	W-8-7	10/16/18	1.00
123397	W-8-7	10/16/18	1.00
281804	W-8-7	10/16/18	1.00
2716	E-6-9	10/16/18	1.00
3250	E-6-9	10/16/18	1.00
8986	W-8-4	10/16/18	2.00
8990	W-8-4	10/16/18	2.00
8991	W-8-4	10/16/18	1.00
9011	W-8-4	10/16/18	2.00
9334	W-8-4	10/16/18	1.00
9335	W-8-4	10/16/18	2.00
9336	W-8-4	10/16/18	2.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
9337	W-8-4	10/16/18	1.00
9338	W-8-4	10/16/18	3.00
9341	W-8-4	10/16/18	1.00
9342	W-8-4	10/16/18	3.00
9343	W-8-4	10/16/18	1.00
9352	W-8-4	10/16/18	2.00
9353	W-8-4	10/16/18	2.00
9354	W-8-4	10/16/18	2.00
41108	W-8-4	10/16/18	2.00
101290	W-8-4	10/16/18	1.00
122983	W-8-4	10/16/18	2.00
9291	W-8-4	10/17/18	1.00
9293	W-8-4	10/17/18	2.00
9294	W-8-4	10/17/18	1.00
9344	W-8-4	10/17/18	2.00
9347	W-8-4	10/17/18	2.00
9348	W-8-4	10/17/18	1.00
9350	W-8-4	10/17/18	1.00
9351	W-8-4	10/17/18	2.00
9355	W-8-4	10/17/18	2.00
9356	W-8-4	10/17/18	1.00
9357	W-8-4	10/17/18	1.00
9358	W-8-4	10/17/18	1.00
9359	W-8-4	10/17/18	2.00
9362	W-8-4	10/17/18	1.00
9363	W-8-4	10/17/18	1.00
9369	W-8-4	10/17/18	1.00
9370	W-8-4	10/17/18	1.00
9377	W-8-4	10/17/18	2.00
9381	W-8-4	10/17/18	2.00
284130	W-8-4	10/17/18	2.00
284131	W-8-4	10/17/18	1.00
41109	W-8-4	10/17/18	1.00
3762	W-8-3	10/17/18	1.00
3773	W-8-3	10/17/18	1.00
3774	W-8-3	10/17/18	2.00
3775	W-8-3	10/17/18	1.00
3777	W-8-3	10/17/18	1.00
3779	W-8-3	10/17/18	1.00
3780	W-8-3	10/17/18	1.00
3781	W-8-3	10/17/18	1.00
3782	W-8-3	10/17/18	1.00
4047	W-8-3	10/17/18	2.00
4055	W-8-3	10/17/18	2.00
4056	W-8-3	10/17/18	1.00
4057	W-8-3	10/17/18	1.00
4088	W-8-3	10/17/18	2.00
4089	W-8-3	10/17/18	1.00
4090	W-8-3	10/17/18	2.00
4099	W-8-3	10/17/18	1.00
4100	W-8-3	10/17/18	1.00
4101	W-8-3	10/17/18	1.00
4102	W-8-3	10/17/18	1.00
4103	W-8-3	10/17/18	1.00
8992	W-8-2	10/17/18	1.00
8993	W-8-2	10/17/18	1.00
8994	W-8-2	10/17/18	1.00
8997	W-8-2	10/17/18	1.00
8998	W-8-2	10/17/18	1.00
8999	W-8-2	10/17/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
9035	W-8-2	10/17/18	1.00
9036	W-8-2	10/17/18	1.00
9038	W-8-2	10/17/18	1.00
9039	W-8-2	10/17/18	1.00
9040	W-8-2	10/17/18	1.00
9041	W-8-2	10/17/18	1.00
9042	W-8-2	10/17/18	1.00
9056	W-8-2	10/17/18	1.00
9058	W-8-2	10/17/18	1.00
9059	W-8-2	10/17/18	1.00
9061	W-8-2	10/17/18	1.00
9068	W-8-2	10/17/18	1.00
9077	W-8-2	10/17/18	1.00
9078	W-8-2	10/17/18	1.00
9079	W-8-2	10/17/18	1.00
9080	W-8-2	10/17/18	1.00
9081	W-8-2	10/17/18	1.00
9087	W-8-2	10/17/18	1.00
9124	W-8-2	10/17/18	1.00
9125	W-8-2	10/17/18	1.00
281954	W-8-2	10/17/18	1.00
282744	W-8-2	10/17/18	1.00
282748	W-8-2	10/17/18	1.00
284158	W-8-2	10/17/18	1.00
9209	W-8-6	10/18/18	1.00
9218	W-8-6	10/18/18	1.00
9220	W-8-6	10/18/18	1.00
9221	W-8-6	10/18/18	1.00
9222	W-8-6	10/18/18	1.00
9223	W-8-6	10/18/18	1.00
9225	W-8-6	10/18/18	1.00
9227	W-8-7	10/18/18	1.00
9228	W-8-7	10/18/18	1.00
9229	W-8-7	10/18/18	1.00
9230	W-8-7	10/18/18	1.00
9231	W-8-7	10/18/18	2.00
9253	W-8-7	10/18/18	1.00
9255	W-8-7	10/18/18	1.00
9257	W-8-7	10/18/18	2.00
9260	W-8-7	10/18/18	1.00
9261	W-8-7	10/18/18	1.00
9263	W-8-7	10/18/18	1.00
9326	W-8-7	10/18/18	2.00
283536	W-8-6	10/18/18	1.00
3725	W-8-4	10/19/18	1.00
3726	W-8-4	10/19/18	2.00
3727	W-8-4	10/19/18	1.00
3728	W-8-4	10/19/18	2.00
3729	W-8-4	10/19/18	1.00
3730	W-8-4	10/19/18	2.00
3736	W-8-4	10/19/18	1.00
3737	W-8-4	10/19/18	2.00
3738	W-8-4	10/19/18	2.00
3739	W-8-4	10/19/18	1.00
3740	W-8-4	10/19/18	2.00
3741	W-8-4	10/19/18	2.00
3742	W-8-4	10/19/18	1.00
3743	W-8-4	10/19/18	1.00
3744	W-8-4	10/19/18	1.00
3745	W-8-4	10/19/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
3746	W-8-4	10/19/18	1.00
3747	W-8-4	10/19/18	1.00
9000	W-8-4	10/19/18	1.00
9070	W-8-2	10/19/18	1.00
14411	W-8-4	10/19/18	1.00
100035	W-8-4	10/19/18	1.00
100041	W-8-4	10/19/18	1.00
120965	W-8-4	10/19/18	1.00
281526	W-8-4	10/19/18	1.00
281527	W-8-4	10/19/18	1.00
281528	W-8-4	10/19/18	2.00
281529	W-8-4	10/19/18	1.00
281530	W-8-4	10/19/18	2.00
281539	W-8-4	10/19/18	1.00
282907	W-8-2	10/19/18	1.00
283764	W-8-4	10/19/18	3.00
3528	W-8-3	10/22/18	1.00
3761	W-8-3	10/22/18	1.00
4054	W-8-3	10/22/18	1.00
4084	W-8-3	10/22/18	1.00
4092	W-8-3	10/22/18	1.00
9034	W-8-2	10/22/18	1.00
9128	W-8-2	10/22/18	1.00
9163	W-8-2	10/22/18	1.00
9208	W-8-7	10/22/18	1.00
9236	W-8-7	10/22/18	1.00
9246	W-8-7	10/22/18	1.00
9247	W-8-7	10/22/18	1.00
9259	W-8-7	10/22/18	2.00
9265	W-8-7	10/22/18	1.00
9266	W-8-7	10/22/18	1.00
9470	W-8-3	10/22/18	1.00
9474	W-8-3	10/22/18	1.00
123970	W-8-7	10/22/18	1.00
124546	W-8-7	10/22/18	1.00
124550	W-8-7	10/22/18	1.00
281151	W-8-3	10/22/18	1.00
281152	W-8-3	10/22/18	1.00
281153	W-8-3	10/22/18	1.00
281860	W-8-3	10/22/18	1.00
282908	W-8-2	10/22/18	1.00
282909	W-8-2	10/22/18	1.00
282910	W-8-2	10/22/18	1.00
282911	W-8-2	10/22/18	1.00
8988	W-8-4	10/22/18	2.00
38307	W-8-4	10/22/18	1.00
3735	W-8-4	10/22/18	1.00
14412	W-8-4	10/22/18	1.00
14409	W-8-4	10/22/18	1.00
14408	W-8-4	10/22/18	2.00
14413	W-8-4	10/22/18	2.00
14414	W-8-4	10/22/18	1.00
14418	W-8-4	10/22/18	2.00
14421	W-8-4	10/22/18	1.00
14420	W-8-4	10/22/18	1.00
14419	W-8-4	10/22/18	1.00
3753	W-8-3	10/23/18	1.00
3754	W-8-3	10/23/18	1.00
3757	W-8-3	10/23/18	1.00
3758	W-8-3	10/23/18	1.00

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Manhole Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
3770	W-8-3	10/23/18	2.00
3772	W-8-3	10/23/18	2.00
3801	W-8-4	10/23/18	1.00
3802	W-8-4	10/23/18	1.00
3804	W-8-4	10/23/18	1.00
3816	W-8-4	10/23/18	2.00
3817	W-8-4	10/23/18	2.00
4045	W-8-3	10/23/18	1.00
4076	W-8-6	10/23/18	1.00
4078	W-8-6	10/23/18	1.00
4080	W-8-6	10/23/18	1.00
4083	W-8-3	10/23/18	2.00
4086	W-8-3	10/23/18	1.00
4087	W-8-3	10/23/18	1.00
4852	W-8-6	10/23/18	1.00
8989	W-8-4	10/23/18	1.00
9001	W-8-4	10/23/18	1.00
9002	W-8-4	10/23/18	1.00
9003	W-8-4	10/23/18	1.00
9004	W-8-4	10/23/18	1.00
9005	W-8-4	10/23/18	1.00
9007	W-8-4	10/23/18	1.00
9008	W-8-4	10/23/18	1.00
9009	W-8-4	10/23/18	2.00
9010	W-8-4	10/23/18	2.00
9012	W-8-4	10/23/18	1.00
9013	W-8-4	10/23/18	1.00
9014	W-8-4	10/23/18	1.00
9015	W-8-3	10/23/18	1.00
9204	W-8-6	10/23/18	1.00
9241	W-8-6	10/23/18	1.00
9242	W-8-6	10/23/18	1.00
9243	W-8-6	10/23/18	1.00
9244	W-8-6	10/23/18	1.00
9250	W-8-6	10/23/18	1.00
9251	W-8-6	10/23/18	1.00
9252	W-8-6	10/23/18	1.00
9268	W-8-7	10/23/18	1.00
9346	W-8-4	10/23/18	1.00
9378	W-8-4	10/23/18	2.00
9379	W-8-7	10/23/18	1.00
9472	W-8-3	10/23/18	1.00
9480	W-8-3	10/23/18	1.00
9481	W-8-3	10/23/18	2.00
9495	W-8-3	10/23/18	1.00
9502	W-8-3	10/23/18	1.00
9524	W-8-6	10/23/18	1.00
9525	W-8-6	10/23/18	1.00
9526	W-8-6	10/23/18	1.00
9529	W-8-6	10/23/18	1.00
9530	W-8-6	10/23/18	1.00
9533	W-8-6	10/23/18	1.00
9534	W-8-6	10/23/18	1.00
9535	W-8-6	10/23/18	1.00
9536	W-8-6	10/23/18	1.00
9537	W-8-6	10/23/18	1.00
9539	W-8-6	10/23/18	1.00
9540	W-8-6	10/23/18	1.00
9541	W-8-6	10/23/18	1.00
9542	W-8-6	10/23/18	1.00

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Manhole Inspections

July 1, 2018 through December 31, 2018 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
9543	W-8-6	10/23/18	1.00
9544	W-8-6	10/23/18	1.00
9546	W-8-6	10/23/18	1.00
9548	W-8-6	10/23/18	1.00
9549	W-8-6	10/23/18	1.00
9550	W-8-6	10/23/18	1.00
10221	W-8-7	10/23/18	1.00
10222	W-8-7	10/23/18	1.00
10623	W-8-6	10/23/18	1.00
10624	W-8-6	10/23/18	1.00
10642	W-8-7	10/23/18	1.00
10655	W-8-7	10/23/18	1.00
10656	W-8-7	10/23/18	1.00
10661	W-8-7	10/23/18	1.00
10665	W-8-7	10/23/18	1.00
10666	W-8-7	10/23/18	2.00
10692	W-8-7	10/23/18	1.00
10695	W-8-7	10/23/18	1.00
10699	W-8-7	10/23/18	1.00
10706	W-8-7	10/23/18	1.00
10711	W-8-7	10/23/18	1.00
14417	W-8-3	10/23/18	1.00
14422	W-8-4	10/23/18	1.00
41107	W-8-4	10/23/18	1.00
120883	W-8-4	10/23/18	2.00
121063	W-8-3	10/23/18	2.00
121448	W-8-3	10/23/18	1.00
121617	W-8-6	10/23/18	1.00
121878	W-8-6	10/23/18	1.00
121879	W-8-6	10/23/18	1.00
123402	W-8-7	10/23/18	2.00
123753	W-8-7	10/23/18	1.00
123754	W-8-6	10/23/18	1.00
281032	W-8-6	10/23/18	1.00
281033	W-8-6	10/23/18	1.00
281057	W-8-7	10/23/18	2.00
281150	W-8-3	10/23/18	2.00
281577	W-8-6	10/23/18	1.00
281891	W-8-7	10/23/18	1.00
282105	W-8-3	10/23/18	1.00
282363	W-8-7	10/23/18	1.00
282933	W-8-6	10/23/18	1.00
284132	W-8-4	10/23/18	1.00
284138	W-8-3	10/23/18	2.00
9366	W-8-8	10/24/18	2.00
3538	W-8-3	10/24/18	1.00
3769	W-8-3	10/24/18	1.00
3771	W-8-3	10/24/18	2.00
3785	W-8-6	10/24/18	1.00
4070	W-8-6	10/24/18	1.00
4071	W-8-6	10/24/18	1.00
4074	W-8-6	10/24/18	1.00
4075	W-8-6	10/24/18	1.00
4106	W-8-3	10/24/18	2.00
4109	W-8-3	10/24/18	2.00
4113	W-8-3	10/24/18	1.00
4114	W-8-3	10/24/18	1.00
4115	W-8-3	10/24/18	1.00
4116	W-8-3	10/24/18	1.00
9166	W-8-6	10/24/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
9168	W-8-6	10/24/18	1.00
9170	W-8-6	10/24/18	1.00
9171	W-8-6	10/24/18	1.00
9172	W-8-6	10/24/18	1.00
9179	W-8-6	10/24/18	1.00
9180	W-8-6	10/24/18	1.00
9181	W-8-6	10/24/18	1.00
9182	W-8-6	10/24/18	1.00
9184	W-8-6	10/24/18	1.00
9187	W-8-6	10/24/18	1.00
9189	W-8-6	10/24/18	1.00
9195	W-8-6	10/24/18	1.00
9197	W-8-6	10/24/18	1.00
9198	W-8-6	10/24/18	1.00
9205	W-8-6	10/24/18	1.00
9206	W-8-6	10/24/18	1.00
9207	W-8-6	10/24/18	1.00
9211	W-8-6	10/24/18	1.00
9213	W-8-6	10/24/18	1.00
9214	W-8-6	10/24/18	1.00
9239	W-8-6	10/24/18	1.00
9240	W-8-6	10/24/18	1.00
9267	W-8-7	10/24/18	1.00
9492	W-8-3	10/24/18	1.00
9493	W-8-3	10/24/18	1.00
9523	W-8-6	10/24/18	1.00
9528	W-8-6	10/24/18	1.00
14535	W-8-8	10/24/18	2.00
121061	W-8-3	10/24/18	1.00
121064	W-8-3	10/24/18	1.00
282104	W-8-3	10/24/18	1.00
283085	W-8-3	10/24/18	1.00
283086	W-8-3	10/24/18	1.00
283087	W-8-3	10/24/18	1.00
283094	W-8-3	10/24/18	1.00
283620	W-8-3	10/24/18	1.00
284071	W-8-6	10/24/18	1.00
9323	W-8-1	10/25/18	1.00
9375	W-8-8	10/25/18	1.00
10682	W-8-8	10/25/18	1.00
10683	W-8-8	10/25/18	1.00
10688	W-8-8	10/25/18	1.00
14390	W-8-8	10/25/18	1.00
14393	W-8-8	10/25/18	1.00
280570	W-8-8	10/25/18	1.00
282983	E-6-2	10/25/18	1.00
283922	W-8-8	10/25/18	1.00
280534	E-6-10	10/25/18	1.00
3420	E-6-2	10/25/18	1.00
3474	E-6-2	10/25/18	1.00
3685	E-6-2	10/25/18	1.00
3723	W-8-6	10/25/18	1.00
3760	W-8-3	10/25/18	1.00
3767	W-8-3	10/25/18	1.00
3768	W-8-3	10/25/18	1.00
3783	W-8-6	10/25/18	1.00
3787	W-8-6	10/25/18	1.00
3788	W-8-6	10/25/18	1.00
3789	W-8-6	10/25/18	1.00
3814	W-8-6	10/25/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
3815	W-8-6	10/25/18	1.00
3818	W-8-3	10/25/18	2.00
3819	W-8-3	10/25/18	1.00
3820	W-8-3	10/25/18	1.00
3821	W-8-3	10/25/18	1.00
3823	W-8-3	10/25/18	1.00
9120	W-8-3	10/25/18	2.00
9188	W-8-6	10/25/18	1.00
9190	W-8-6	10/25/18	1.00
9191	W-8-6	10/25/18	1.00
9192	W-8-6	10/25/18	1.00
9194	W-8-6	10/25/18	1.00
9199	W-8-6	10/25/18	1.00
9200	W-8-6	10/25/18	1.00
9201	W-8-6	10/25/18	1.00
9202	W-8-6	10/25/18	1.00
9203	W-8-6	10/25/18	1.00
9497	W-8-6	10/25/18	1.00
9991	E-6-2	10/25/18	1.00
9992	E-6-2	10/25/18	1.00
9993	E-6-2	10/25/18	1.00
10602	E-6-10	10/25/18	2.00
14109	E-6-10	10/25/18	2.00
14112	E-6-10	10/25/18	2.00
96919	W-8-3	10/25/18	2.00
97526	W-8-6	10/25/18	1.00
97527	W-8-6	10/25/18	1.00
121185	W-8-3	10/25/18	1.00
122226	W-8-6	10/25/18	1.00
280535	E-6-10	10/25/18	1.00
280536	E-6-10	10/25/18	1.00
280750	W-8-6	10/25/18	1.00
281538	W-8-6	10/25/18	1.00
281575	W-8-6	10/25/18	1.00
281576	W-8-6	10/25/18	1.00
282496	E-6-10	10/25/18	2.00
282797	W-8-6	10/25/18	1.00
282840	W-8-6	10/25/18	1.00
282841	W-8-6	10/25/18	1.00
282842	W-8-6	10/25/18	1.00
282843	W-8-6	10/25/18	1.00
283538	W-8-6	10/25/18	1.00
284049	W-8-6	10/25/18	1.00
284068	W-8-6	10/25/18	1.00
284069	W-8-6	10/25/18	1.00
284070	W-8-6	10/25/18	1.00
9367	W-8-8	10/29/18	2.00
11307	W-8-7	10/29/18	1.00
14531	W-8-8	10/29/18	1.00
14534	W-8-8	10/29/18	2.00
14536	W-8-8	10/29/18	1.00
14541	W-8-8	10/29/18	1.00
14542	W-8-8	10/29/18	1.00
14543	W-8-8	10/29/18	1.00
282387	W-8-8	10/29/18	1.00
3755	W-8-3	10/29/18	1.00
3790	W-8-6	10/29/18	1.00
3791	W-8-6	10/29/18	1.00
3824	W-8-3	10/29/18	1.00
4046	W-8-6	10/29/18	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
4058	W-8-6	10/29/18	1.00
4091	W-8-3	10/29/18	1.00
4098	W-8-6	10/29/18	1.00
4104	W-8-6	10/29/18	1.00
4107	W-8-3	10/29/18	1.00
4110	W-8-3	10/29/18	1.00
4117	W-8-3	10/29/18	1.00
4850	W-8-6	10/29/18	1.00
4851	W-8-6	10/29/18	1.00
9477	W-8-6	10/29/18	1.00
9478	W-8-6	10/29/18	1.00
9479	W-8-6	10/29/18	1.00
9483	W-8-6	10/29/18	1.00
9486	W-8-3	10/29/18	1.00
9487	W-8-3	10/29/18	1.00
9488	W-8-3	10/29/18	1.00
9489	W-8-3	10/29/18	1.00
9490	W-8-3	10/29/18	1.00
9494	W-8-3	10/29/18	1.00
9498	W-8-6	10/29/18	1.00
14416	W-8-3	10/29/18	1.00
282315	W-8-3	10/29/18	1.00
282362	W-8-3	10/29/18	2.00
282995	E-6-1	10/29/18	1.00
283513	W-8-6	10/29/18	1.00
10653	W-8-7	10/29/18	1.00
9482	W-8-3	10/31/18	1.00
6563	E-6-8	11/1/18	2.00
6559	E-6-8	11/1/18	2.00
6539	E-6-8	11/1/18	1.00
6543	E-6-8	11/1/18	1.00
6565	E-6-8	11/1/18	1.00
14254	E-6-8	11/1/18	2.00
14255	E-6-8	11/1/18	1.00
281306	E-6-8	11/1/18	1.00
282931	E-6-7	11/2/18	1.00
6558	E-6-8	11/2/18	2.00
6560	E-6-8	11/2/18	2.00
2982	E-6-8	11/2/18	2.00
10178	E-6-8	11/2/18	2.00
10150	E-6-7	11/2/18	2.00
10152	E-6-7	11/2/18	2.00
10153	E-6-7	11/2/18	2.00
10154	E-6-7	11/2/18	2.00
10155	E-6-7	11/2/18	2.00
10156	E-6-7	11/2/18	2.00
10157	E-6-7	11/2/18	2.00
2984	E-6-8	11/5/18	2.00
3209	E-6-8	11/5/18	1.00
3246	E-6-8	11/5/18	1.00
3257	E-6-8	11/5/18	1.00
43130	E-6-8	11/5/18	1.00
2695	E-6-1	11/6/18	1.00
2958	E-6-8	11/6/18	1.00
2961	E-6-8	11/6/18	2.00
3395	E-6-1	11/6/18	1.00
3784	W-8-6	11/6/18	1.00
3995	E-6-1	11/6/18	2.00
4072	W-8-6	11/6/18	1.00
4073	W-8-6	11/6/18	1.00

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Manhole Inspections

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Manhole Facility ID #	Sub-Basin	Date	Rating
4079	W-8-6	11/6/18	1.00
9248	W-8-6	11/6/18	1.00
9249	W-8-6	11/6/18	1.00
9314	W-8-7	11/6/18	1.00
9383	W-8-6	11/6/18	1.00
9522	W-8-6	11/6/18	1.00
9531	W-8-6	11/6/18	1.00
9879	E-6-1	11/6/18	1.00
9917	E-6-1	11/6/18	1.00
14394	W-8-6	11/6/18	1.00
14395	W-8-6	11/6/18	1.00
14396	W-8-6	11/6/18	1.00
282991	E-6-1	11/6/18	1.00
284170	E-6-1	11/6/18	1.00
284232	E-6-1	11/6/18	1.00
9382	W-8-1	11/7/18	1.00
3369	E-6-1	11/7/18	1.00
3378	E-6-1	11/7/18	1.00
67494	E-6-1	11/7/18	1.00
123213	W-8-8	11/8/18	1.00
2697	E-6-1	11/8/18	2.00
8983	W-8-1	11/15/18	1.00
9152	W-8-1	11/15/18	1.00
15679	W-8-1	11/15/18	1.00
15680	W-8-1	11/15/18	1.00
281871	W-8-1	11/15/18	1.00
9210	W-8-6	11/15/18	1.00
282761	W-8-6	11/15/18	1.00
283768	E-6-11	11/15/18	2.00
10043	E-6-3	11/19/18	1.00
282756	W-8-6	11/19/18	1.00
10057	E-6-3	11/20/18	2.00
283079	E-6-5	11/20/18	1.00
283942	E-6-5	11/20/18	1.00
4060	W-8-1	11/26/18	1.00
10574	E-6-11	11/26/18	1.00
10675	W-8-8	11/26/18	1.00
78134	E-6-11	11/26/18	1.00
4069	W-8-1	11/28/18	1.00
6940	E-6-5	11/30/18	1.00
3240	E-6-9	11/30/18	2.00
3829	E-6-3	11/30/18	1.00
9143	W-8-1	11/30/18	2.00
10151	E-6-7	11/30/18	1.00
10495	E-6-11	11/30/18	1.00
78135	E-6-12	11/30/18	1.00
284143	E-6-8	11/30/18	1.00
10077	E-6-3	11/30/18	1.00
10565	E-6-11	12/3/18	1.00
10638	W-8-8	12/5/18	1.00
10671	W-8-8	12/5/18	2.00
10676	W-8-8	12/5/18	2.00
10677	W-8-8	12/5/18	2.00
14391	W-8-8	12/5/18	1.00
10664	W-8-8	12/5/18	1.00
10632	W-8-8	12/6/18	2.00
9159	W-8-2	12/6/18	1.00
9547	W-8-6	12/6/18	1.00
78133	E-6-11	12/6/18	1.00
9006	W-8-4	12/6/18	1.00

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Manhole Inspections

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Manhole Facility ID #	Sub-Basin	Date	Rating
10231	W-8-8	12/6/18	1.00
9026	W-8-1	12/12/18	2.00
9027	W-8-1	12/12/18	1.00
9028	W-8-1	12/12/18	1.00
9030	W-8-1	12/12/18	1.00
14392	W-8-8	12/12/18	1.00
9022	W-8-1	12/17/18	1.00
9109	W-8-2	12/17/18	1.00
10516	E-6-11	12/17/18	1.00
284133	W-8-2	12/17/18	1.00
9491	W-8-3	12/20/18	2.00
284184	E-6-1	12/20/18	1.00
2778	E-6-8	12/26/18	1.00
3082	E-6-6	12/26/18	1.00
14166	E-6-10	12/26/18	1.00
Total Manholes Inspected			1,575

*Total includes 10 inspections not reported in SAR 2018-1

TABLE 11-1
SSRMP Capacity Related SSO Release Locations
July 1, 2018 through December 31, 2018 Reporting Period

System	Sewershed	Start Date	End Date	SSO Group	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Precipitation (in)
E	SSS	12/15/2018 9:00 AM	12/15/2018 11:30 PM	Lincoln Avenue	6601 E Oak Street	5840	5841	22948	15	87,000	3.50
E	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	Lincoln Avenue	6601 E Oak Street	5840	5841	22948	2	2,700	2.60
W	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	Mill Road	711 W Mill Road	280751	3786	27329	2	12,000	1.35
W	SSS	12/15/2018 2:30 AM	12/15/2018 6:30 AM	Mill Road	711 W Mill Road	280751	3786	27329	6	24,000	3.50
W	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	Mill Road	711 W Mill Road	280751	3786	27329	2.25	13,500	2.60
W	SSS	9/25/2018 1:30 PM	9/25/2018 4:00 PM	Mill Road	711 W Mill Road	280751	3786	27329	2.5	15,000	2.08
W	SSS	9/8/2018 12:00 PM	9/8/2018 2:00 PM	Mill Road	711 W Mill Road	280751	3786	27329	2	12,000	4.10
W	CSS	12/15/2018 1:00 AM	12/15/2018 2:00 AM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	1	12,000	3.50
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	2.60
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	2.08
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	4.10

TABLE 12-1

Decree Deliverables Listing
July 1, 2018 through December 31, 2018 Reporting Period

	Deliverable	Date Due	Submitted to Agencies	Agency Review Status	Date Comments Received	Date Comment Response Submitted
	2009 Combined Sewer Overflow Operation Plan Update	1-Nov-2009	1-Nov-2009	No comments received	-	-
	2010 Combined Sewer Overflow Operation Plan Update	1-Nov-2010	1-Nov-2010	No comments received	-	-
1	Submit SSES Work Plan	30-Nov-2010	30-Nov-2010	No comments received	-	-
2	Submit SORP 1.0	1-Dec-2010	1-Dec-2010	Provided comments	3-Mar-2011	1-Apr-2011
3	Submit Public and Regulatory Participation Plan	31-Dec-2010	31-Dec-2010	No comments received	-	-
4	Submit 7th Ave Pump Station Wet Weather Operating Plan (Consent Decree paragraph 20.a)	31-Jan-2011	31-Jan-2011	Provided comments	15-Apr-2011	16-May-2011
5	Submit Capacity Assessment Work Plan including approach for determining Critical Storm Duration	30-Apr-2011	30-Apr-2011	Provided comments	29-Jul-2011	29-Aug-2011
6	Install baffles in the secondary treatment system clarifiers a the West WWTP (Consent Decree paragraph 20.b)	30-Apr-2011	30-Apr-2011	No comments received	-	-
7	Submit CMOM 2.0	1-May-2011	1-May-2011	Provided comments	28-Jul-2011	29-Aug-2011
8	Submit SORP 2.0	1-May-2011	1-May-2011	Provided comments	29-Jul-2011	29-Aug-2011
9	Utilize Data System for Tracking Operating and Maintenance Activities	31-Jul-2011	31-Jul-2011	No comments received	-	-
10	Complete Water Quality Data Review and submit SRCER Update, including the Water Quality Model of Pigeon Creek and the Ohio River (GC)	31-Aug-2011	31-Aug-2011	No comments received	-	-
	Submit Semi-Annual Report (SAR) 2011-1	1-Sep-2011	1-Sep-2011	No comments received	-	-
	2011 Combined Sewer Overflow Operation Plan Update	1-Nov-2011	1-Nov-2011	No comments received	-	-
11	Submit report on capacity of clarifiers	1-Nov-2011	1-Nov-2011	No comments received	-	-
12	Submit report evaluating the effectiveness of sludge feed and/or contact stabilization in the secondary aeration basins to maximize wet weather flow through the secondary treatment at East WWTP and West WWTP (Consent Decree paragraph 19.a and 20.c)	1-Nov-2011	1-Nov-2011	No comments received	-	-
13	Submit stress test protocols that will identify the proposed revision to the Maximum Treated Flow of the East WWTP and West WWTP. (Consent Decree paragraph 19.d and 20.d)	1-Nov-2011	1-Nov-2011	Provided comments	15-Mar-2012	22-Mar-2012
14	Complete Trunk Sewer Survey and Condition Assessment.	30-Nov-2011	30-Nov-2011	Letter acknowledged completion	24-Jan-2012	NA
15	Submit Update to West CSS and East CSS characterization and hydraulic model including development of SSS Hydraulic model.	30-Nov-2011	30-Nov-2011	No comments received	-	-
16	Submit Critical Storm Duration Analysis	31-Dec-2011	30-Dec-2011	No comments received	-	-
17	Submit Revised Financial Analysis	31-Jan-2012	7-Feb-2012	Provided comments	23-Mar-2012	9-Apr-2012
18	Submit CSO Alternative Analysis Screening Report.	31-Jan-2012	31-Jan-2012	No comments received	-	-
	Submit CMOM 2.1	29-Feb-2012	29-Feb-2012	No comments received	-	-
19	Install East WWTP Early Action Upgrades including a second bar screen and fourth influent pump. (Consent Decree paragraph 19.b and c)	1-Mar-2012	29-Feb-2012	No comments received	-	-
	Submit SAR 2011-2	1-Mar-2012	1-Mar-2012	No comments received	-	-
20	Submit SSA Report including SSES Report, and Capacity Assessment	31-Mar-2012	30-Mar-2012	Provided comments	24-May-2012	11-Jul-2012
21	Conduct a stress test of East and West WWTP and identify revised Maximum Treated Flow. (Consent Decree paragraph 19.d and 20.d)	31-Jul-2012	31-Jul-2012	No comments received	-	-
22	Implement revised Maximum Treated Flow operations at the East and West WWTP. (Consent Decree paragraph 19.e and 20.e)	31-Jul-2012	31-Jul-2012	No comments received	-	-
23	Submit the Draft IOCP to Plaintiffs and to Public, including but not limited to CSO/SSS Capacity Alternatives Analysis; the Alternatives Analysis for the LTCP; the Alternatives Analysis for the SSRMP; the Facility Plans for Expansions of the East and West WWTPs; and proposed Implementation Schedules for the SSRMP, LTCP	31-Jul-2012				
23	Volume 1 - Integrated Overflow Control Plan	31-Jul-2012	31-Jul-2012	No comments received	-	-
23	Volume 2 - Long Term Control Plan	31-Jul-2012	31-Jul-2012	Provided comments	13-Sep-2012	19-Oct-2012
23	Volume 3 - Separate Sanitary Sewer Remedial Measures Plan	31-Jul-2012	31-Jul-2012	Provided comments	26-Oct-2012	4-Jan-2013
23	Volume 4 - Facility Plan for the West and East WWTPs	31-Jul-2012	31-Jul-2012	Provided comments	19-Oct-2012	13-Nov-2012
23	Revised Financial Capability Assessment	31-Jul-2012	31-Jul-2012	Provided comments	1-Feb-2013	In Discussion
	Submit SAR 2012-1	1-Sep-2012	31-Aug-2012	No comments received	-	-
	EPA Conference Call, EWSU received control measure spreadsheet	5-Oct-2012				
23*	EWSU submitted LTCP comment response (Technical Meeting 1 focused on many of the comments/responses)		19-Oct-2012			
	Technical Meeting 1 and Meeting Follow up	24-Oct-2012				
	EWSU provided Pigeon Creek Interceptor multi-sensor evaluation		25-Oct-2012			
	EWSU provided Bee Slough alternatives evaluation information (alternatives, costs, figures)		25-Oct-2012			
	EWSU provided vertical treatment unit information		25-Oct-2012			
	EWSU provided Figure 1 - Evansville CSO Volumes in pdf format		27-Oct-2012			
	EWSU provided cost performance tables in EPA format		27-Oct-2012			
24	Revise the West WWTP and the East WWTP Maximum Treated Flow designations in CSOOP. (Consent Decree paragraph 19.e and 20.e)	1-Nov-2012	1-Nov-2012	No comments received	-	-
	2012 Combined Sewer Overflow Operation Plan Update	1-Nov-2012	1-Nov-2012	No comments received	-	-
23*	EWSU submitted Facility Plan comment response (Technical Meeting 2 focused on many of the comments/responses)		13-Nov-2012			
25	Submit CMOM 3.0	30-Nov-2012	30-Nov-2012	No comments received	-	-
	EWSU provided tunnel analysis TM		30-Nov-2012			
	EWSU provided 7th Avenue Lift Station replacements/improvements TM		30-Nov-2012			
	Technical Meeting 2 and Meeting Follow up	4-Dec-2012				
	EWSU provided Excel version of optimization result tables		6-Dec-2012			
	EWSU provided technical paper regarding Biological and Chemically Enhanced High-Rate Clarification Solution for the Treatment of Wet Weather Flows		6-Dec-2012			
	EWSU provided technical paper regarding Operating Chemically Enhanced Clarification for Optimum Disinfection Performance		6-Dec-2012			
	EWSU provided information on WERF wet-weather disinfection project EWSU would participate in if awarded		6-Dec-2012			
23*	EWSU submitted SSRMP comment response		4-Jan-2013			
	EWSU provided cost performance tables		16-Jan-2013			
	EWSU provided TM regarding East WWTP expansion alternatives and CSO volumes		18-Jan-2013			
	EWSU provided pie charts with treatment type/volume data		18-Jan-2013			
	Technical Meeting 3 and Meeting Follow up	24-Jan-2013				
	EWSU provided revised cost performance tables		1-Feb-2013			
	Submit Supplemental Environmental Projects (SEP) Completion Report	1-Feb-2013	1-Feb-2013	No comments received	-	-
	Financial Capabilities Assessment Meeting and Follow up	6-Feb-2013				
	EWSU provided shape files of gravity sewer mains		8-Feb-2013			
	EWSU provided CSS and sewer basin shape files		8-Feb-2013			
	EWSU provided non-IOCP capital projects data		8-Feb-2013			
	EWSU provided non-IOCP capital needs data		8-Feb-2013			
	EWSU provided Bee Slough draft treatment wetland TM		12-Feb-2013			
	Technical Meeting 4 and Meeting Follow up		20-Feb-2013			
	EWSU provided Future Flows TM		28-Feb-2013	Provided comments	4-Apr-2013	9-May-2013
	Submit SAR 2012-2	1-Mar-2013	1-Mar-2013	No comments received	-	-

TABLE 12-1

Decree Deliverables Listing
July 1, 2018 through December 31, 2018 Reporting Period

Deliverable	Date Due	Submitted to Agencies	Agency Review Status	Date Comments Received	Date Comment Response Submitted
LTCP Submittal Requirement correspondence received from EPA, listing alternatives and levels of control EWSU should evaluate		15-Mar-2013			31-May-2013
Technical Meeting 5 and Meeting Follow up		20-Mar-2013			
EWSU provided Typical Year Rainfall and 2-YR 24-HR Design Storm Comparison for West Sewer System Model TM		29-Mar-2013	Additional graphs requested	3-Apr-2013	10-Apr-2013
EWSU provided Bee Slough Alternatives Analysis Draft Report, including wetland analysis		29-Mar-2013	No comments received	-	-
Technical Meeting 6 and Meeting Follow up		24-Apr-2013			
Identifying SSOs included in the SSRMP TM		10-May-2013	No comments received	-	-
26 Submit Final IOCP, including Post-Construction Monitoring Plan	31-May-2013	31-May-2013			
USEPA Additional Information Request 1				19-Jul-2013	7-Aug-2013
Submit SAR 2013-1	1-Sep-2013	31-Aug-2013	No comments received		
USEPA Additional Information Request 2				6-Sep-2013	17-Sep-2013
2013 Combined Sewer Overflow Operation Plan Update	1-Nov-2013	1-Nov-2013	No comments received		
USEPA Additional Information Request 3 - SSRMP				13-Nov-2013	10-Dec-2013
USEPA Additional Information Request 4 - Wetlands & Sewer Separation				26-Nov-2013	20-Dec-2013
EWSU submitted request for approval of certain early action projects, including Proposed Early Action Projects TM		26-Nov-2013	Certain approvals received	6-Dec-2013	
USEPA Additional Information Request 5 - Wetlands				5-Dec-2013	20-Dec-2013
USEPA Additional Information Request 6 - Post Construction Flow Monitoring				4-Feb-2014	20-Mar-2014
USEPA Additional Information Request 7 - Green Infrastructure Planning and Recommendations				4-Feb-2014	20-Mar-2014
Teleconference with UPEPA and IDEM regarding early action projects		29-Jan-2014			
Submit CMOM 3.1		14-Feb-2014	No comments received		
Submit SAR 2013-2	1-Mar-2014	1-Mar-2014	No comments received		
Hydraulic and Operations Analysis of the Bee Slough Control Measure TM		15-Apr-2014		8-May-2014	16-May-2014
Teleconference with USEPA and IDEM regarding Wetlands Additional Modeling TM		8-May-2014			
Submit SAR 2014-1	1-Sep-2014	1-Sep-2014	No comments received		
2014 Combined Sewer Overflow Operation Plan Update	1-Nov-2014	1-Nov-2014	No comments received		
Non IOCP Capital Projects List		21-Jan-2015			
Submit SAR 2014-2	1-Mar-2015	1-Mar-2015	No comments received		
Tunnel Cost Analysis		19-Apr-2015			
Response to EPA Questions regarding tunnel option (Ryan Bahr)		19-Apr-2015			
Revised IOCP Volume I Section 5		30-Apr-2015			
Wetland Operations Modeling Analysis		30-May-2015			
25-year Cost Performance and Financial Analysis		30-May-2015			
Wetland Performance Assessment		4-Jun-2015			
Conceptual Wetland Monitoring Draft Plan		4-Jun-2015			
Pigeon Creek Interceptor Optimization Technical Memorandum		30-Jun-2015			
Submit revised IOCP		31-Jul-2015		17-Aug-2015	
Response to EPA IOCP comments letter, including an update to EPA comments on Table 5-1 (the IOCP compliance schedule and requirements)					
Comments and counter proposals to EPA regarding the details of the final remedial measures (Appendix G) and the CD compliance requirements for the remote treatment facilities (Appendix H)					
Ongoing discussions and information exchange with EPA and IDEM regarding finalization of the IOCP during the reporting period					
Submit SAR 2015-1	1-Sep-2015	1-Sep-2015	No comments received		
2015 Combined Sewer Overflow Operation Plan Update	1-Nov-2015	1-Nov-2015	No comments received		
Submit revised IOCP - The Third Amendment		15-Jan-2016			
Submit SAR 2015-2	1-Mar-2016	1-Mar-2016	No comments received		
Response to EPA IOCP comments letter, including responses to Enclosure A and Enclosure B				18-Apr-2016	
Submit revised IOCP		30-Jun-2016			
Submit SAR 2016-1	1-Sep-2016	1-Sep-2016	No comments received		
2016 Combined Sewer Overflow Operation Plan Update	1-Nov-2016	1-Nov-2016	No comments received		
Submit SAR 2016-2	1-Mar-2017	1-Mar-2017	No comments received		
Submit SORP 2.2	1-May-2017	1-May-2017	No comments received		
Submit revised IOCP		6-Jul-2017	8/31/2017 Approval		
Submit SAR 2017-1	1-Sep-2017	1-Sep-2017	No comments received		
2017 Combined Sewer Overflow Operation Plan Update	1-Nov-2017	1-Nov-2017	No comments received		
Control Measure 1 - Bee Slough Drainage Pipeline - Achievement of Full Operation	1-Jan-2018	19-Dec-2017			
Small Diameter Sewer Cleaning and Inspection Cycle 1 Completion	31-Jan-2018	31-Jan-2018	No comments received		
Submit SAR 2017-2	1-Mar-2018	1-Mar-2018	No comments received		
Control Measure 4 - Cleaning and Inspection of the PCI - Achievement of Full Operation	1-Jan-2022	29-May-2018			
Ongoing discussions and information exchange with EPA and IDEM regarding finalization of the IOCP during the reporting period					
Submit SAR 2018-1	31-Aug-2018	1-Sep-2018	No comments received		
2018 Combined Sewer Overflow Operation Plan Update	1-Nov-2018	1-Nov-2018	No comments received		
27 Complete Full Implementation of the IOCP		31-May-2041			
28 Complete Post Construction Monitoring		31-May-2042			
29 Submit Post Construction Monitoring Report		31-May-2043			

* Comment response is duplicated from "Date Comment Response Submitted" column to clarify the timeline and relationship between the comment response and technical meeting content

Black text and deliverable number represents dates/deliverable listed in Appendix B of the Decree

Blue text signifies other Decree required deliverables/submittals and deadlines not listed in Appendix B of the Decree

Red text indicates submittal of information/data requested by EPA, but not listed in the Decree

TABLE 12-2
Non-IOCP Capital Investments
July 1, 2018 through December 31, 2018 Reporting Period and preceding 2.5 year period

Investment Number	Service Area	Project Type	Long Description	2012 Planning Level Submitted Capital Costs	Commence Construction	AFO	Actual Total Project Cost (2015)
S0001	West	Lift Station	Design and Construction of Cantex conversion to submersible pumps at the Beverly Heights lift station	\$300,000	12/06/2017	12/31/2018	235,545.68
S0002	East	CSO	Design and Construction of CASS CSO flow monitoring improvements and pipe extention	\$1,200,000	02/16/2017	12/31/2018	1,291.84
S0004	East	Lift Station	Design and Construction of a new force main for the Eagles lift station replacement	\$1,092,000	12/16/2016	12/31/2018	144,670.64
S0009	West	Lift Station	Design and Construction of lift station improvements for the North Park lift station replacement	\$293,000	06/20/2018	12/31/2018	355,676.79
S0010	East	Lift Station	Construction to convert existing Oak Grove lift station from a Cantex to a submersible pump station	\$583,000	12/06/2017	12/31/2018	295,017.62
S0015	All	Collection	Study to inspect, evaluate, and prioritize all sanitary sewer siphons	\$145,000	02/13/2018	12/31/2018	145,159.17
S0019	All	Lift Station	Annual SCADA upgrades and Project Programming / Integration required	\$300,000	2/3/2016	12/31/2018	205,335.35
S0022	East	Lift Station	Design and Construction of Cantex lift station conversion to submersible pumps at Twickingham lift station	\$390,000	12/15/2016	12/31/2018	84,131.52
S0023	East	Lift Station	Design and Construction of lift station improvements at the Wazny Way lift station and CMOM 3.0 requirements	\$402,000	12/13/2017	12/31/2018	225,990.99
S0024	All	Vehicles	Replacement Vehicle #548-2000 - Engineering PM Pool Vehicle SUV	\$24,800	2/16/2016	5/20/2016	23,259.89
S0027	All	Vehicles	Replacement Vehicle #524-2006 4x4 SUV	\$26,200	2/16/2016	5/27/2016	23,259.89
S0028	All	Vehicles	Replacement Vehicle #526-1999 SUV	\$35,000	2/16/2016	4/18/2016	23,259.89
S0029	All	Vehicles	Replacement Vehicle #533-2006 Crew Van	\$36,000	2/16/2016	5/27/2016	23,259.89
S0030	All	Vehicles	Replacement Vehicle #534-1996 Pickup F-350	\$40,000	2/25/2016	6/7/2016	29,281.73
S0031	All	Vehicles	Replacement Vehicle #545-2002 Pickup F-250	\$32,000	2/25/2016	6/7/2016	29,281.73
S0033	All	Equipment	Replace Water Planning Generator #277	\$10,000	7/14/2016	7/14/2016	5,996.40
S0034	All	Equipment	Replace CCTV Camera #277	\$21,000	06/25/2018	12/31/2018	54,681.43
S0035	All	Equipment	Replace CCTV Reel 8, Cable #277	\$22,000	06/25/2018	12/31/2018	7,240.03
S0039	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	\$156,000	2/1/2016	12/31/2018	138,527.99
S0043	All	Lift Station	Air Release Valve Replacement Program	\$300,000	2/11/2016	12/31/2018	152,338.37
S0045	East	East Treatment Plant	1.2.7.1.2 Replace Secondary Blower Building Roof	\$20,000	8/25/2016	12/31/2016	24,259.57
S0046	East	East Treatment Plant	1.2.14.7.1 Polymer Feed System	\$150,000	4/18/2017	12/31/2017	2,198.78
S0047	East	East Treatment Plant	1.2.18.2 Sludge Building Roof	\$300,000	8/25/2016	9/28/2016	342,098.56
S0050	West	West Treatment Plant	1.1.14.7.1 Polymer Feed System	\$150,000	09/11/2017	12/31/2018	41,125.44
S0051	All	Collection	On Call Realtor Contract for opinion costs related to easement needs	\$10,000	05/25/2016	12/31/2018	247,445.65
S0055	All	Vehicles	Replacement Vehicle #547-2006 Pickup	\$46,000	11/22/2016	2/22/2017	30,122.05
S0056	All	Vehicles	Replacement Vehicle #550-1999 4-Dr Sedan	\$25,500	11/22/2016	2/6/2017	24,180.14
S0057	All	Vehicles	Replacement Vehicle #551-1999 Pickup	\$25,500	11/22/2016	2/13/2017	30,122.05
S0058	All	Equipment	Replacement Vac Truck #584-2004 Sterling Truck Vac Truck	\$232,000	3/3/2017	6/19/2017	374,624.43
S0059	All	Equipment	Sewer Line Rapid Assessment Tool SL-RAT	\$22,000	7/20/2016	9/12/2016	22,765.00
S0060	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	\$156,000	8/2/2017	12/31/2017	69,849.12
S0065	West	West Treatment Plant	1.1.22.1 Paving	\$250,000	12/5/2016	12/31/2017	451,290.67
S0066	West	West Treatment Plant	1.1.22.2 Fencing	\$125,000	12/2/2016	12/31/2017	36,970.85
S0067	All	Collection	On Call Realtor Contract for opinion costs related to easement needs	\$10,000	05/25/2016	12/31/2018	247,445.65

TABLE 12-2
Non-IOCP Capital Investments
July 1, 2018 through December 31, 2018 Reporting Period and preceding 2.5 year period

Investment Number	Service Area	Project Type	Long Description	2012 Planning Level Submitted Capital Costs	Commence Construction	AFO	Actual Total Project Cost (2015)
S0072	All	Equipment	Replacement Vehicle #501-2014 Construction Backhoe Case 590SM III	\$103,000	4/26/2018	5/31/2018	66,211.73
S0074	All	Equipment	Replacement Equipment Excavator 290	\$238,000	07/23/2018	12/31/2018	165,248.29
S0085	West	Lift Station	New Proposed Creamery Road Lift Station, Regional lift station along University parkway	\$11,500,000	11/29/2017	12/31/2018	14,789.10
S0109	All	Equipment	Replacement Vac Truck 4587-2014 Vactor	\$264,000	06/25/2018	12/31/2018	409,496.28
S0289	West	West Treatment Plant	1.1.19.1 Generator and Transfer Switch	\$300,000	12/31/2017	2/8/2018	62,283.64
S0448	West	Lift Station	Design and Construction of Locust Tree Lane lift station equipment rehabilitation	\$135,000	05/25/2016	12/31/2018	285,777.51
S0449	West	Lift Station	Design and Construction of North Park lift station equipment rehabilitation	\$147,000	05/25/2016	12/31/2018	44,895.60
S0488	East	Lift Station	Design and Construction of Chickasaw lift station equipment rehabilitation	\$201,000	09/28/2017	12/31/2018	381,906.21
S0517	East	Lift Station	Design and Construction of Valley Downs lift station replacement - Includes Greencove & Mystic Creek	\$463,000	04/19/2018	12/31/2018	123,073.74
S0632	East	Lift Station	Design and Construction of Carriage House lift station equipment rehabilitation	\$201,000	04/16/2018	12/31/2018	17,449.77
S0635	East	Lift Station	Design and Construction of Plaza Drive lift station replacement	\$342,000	02/24/2017	12/31/2018	180.21
S1000	All	Collection	2017 Manhole Installation Project #2		05/30/2017	12/31/2018	804,951.38
S1005	All	Lining	Collection System Lining - Annual Large Diameter Lining (Acct 444064)		03/15/2017	12/31/2018	1,205,536.51
S1012	East	Collection	Cross Point Lift Station 6" Force Main Bypass		9/28/2017	11/30/2017	19,272.84
S1019	All	Equipment	Purchase new Trailer for bigger Mini Excavator		12/31/2017	1/31/2018	5,362.27
S1020	East	Equipment	Replacement of small New Holland Tractor		12/31/2017	1/31/2018	28,838.74
S1021	Plants	Equipment	Waste Treatment Plants Secondary Clarifier Rehabilitation		10/20/2017	12/31/2018	104,796.90
S1022	All	Equipment	Solar Panel Installations - Allens Lane		10/17/2017	3/31/2018	176,918.70
S1023	All	Equipment	Solar Panel Installations - Millersburg Road		10/17/2017	3/31/2018	115,039.57
S1027	West	Lift Station	Teledyne ISCO Flow Meter for 7th Avenue Lift Station		12/31/2017	1/31/2018	21,564.66
S1032	All	Collection	Wedeking Avenue - Gravity Main Replacement		1/1/2018	2/15/2018	67,060.65
S1033	All	Collection	Sunset Avenue Sewer Replacement		1/1/2018	2/15/2018	30,727.18
S1034	All	Collection	Florence Street Sewer Replacement		11/1/2017	3/29/2018	377,566.65
S1036	Plants	Equipment	East-West Secondary Clarifier Rehabilitation Project - Clarifier Equipment from Evoqua and Nefco		02/26/2018	12/31/2018	114,633.01
S1037	All	Equipment	Atlas JSV-6000 Crew Diesel ATV for Easement and Offroad Sewer Inspections		4/12/2018	4/12/2018	18,024.97
S1038	All	Equipment	CUES "Truck in a Box" for Easement and Offroad Sewer Inspections (Includes Trailer)		4/12/2018	4/12/2018	140,517.26
S1039	All	Equipment	CUES Mudmaster for Large Diameter Sewer Inspection		5/24/2018	5/24/2018	38,110.94
S1041	All	Collection	Hydraulic Units (For Interceptor and Outfall Gates) at Baker, Delaware, and Dresden Street CSO Structures		06/11/2018	12/31/2018	65,104.34
S1042	Lift Station	Collection	Cross Point Lift Station Remove/Replace all Piping and Pumps		05/03/2018	12/31/2018	103,504.04
S1043	All	Equipment	PR16 Series 72" Powered Rake		4/26/2018	5/31/2018	6,008.32
S1044	West	West Treatment Plant	(2) Aerzen Blowers due to Heavy Silt Concentration		04/26/2018	12/31/2018	17,072.79
S1047	All	Equipment	(2) Kleen Sight Camera Nozzles		4/26/2018	5/31/2018	75,857.07
S1049	All	Equipment	CUES Push Camera CCM 2018.06.07		06/11/2018	7/31/2018	11,629.01
S1051	All	Collection	Pump Rehabilitation & Repair - Eagles, Pfeiffer Road, and Daylight South Lift Stations. CCM 2018.06.21		06/25/2018	12/31/2018	18,754.07

TABLE 12-2
Non-IOCP Capital Investments
July 1, 2018 through December 31, 2018 Reporting Period and preceding 2.5 year period

Investment Number	Service Area	Project Type	Long Description	2012 Planning Level Submitted Capital Costs	Commence Construction	AFO	Actual Total Project Cost (2015)
S1052	All	Equipment	2007 Case 850 Dozer		06/25/2018	7/31/2018	41,670.63
S1054	All	Equipment	Western Star 4700 Chassis with Dump Body Triaxle Truck CCM 2018.08.02		08/08/2018	8/21/2018	141,763.50
S1055	All	Equipment	Agilent 5110 VDV ICP-OES Spectrophotmeter		08/08/2018	12/31/2018	104,733.15
S1058	All	Collection	Riverside & Vann Lift Station Storm Sewer Rehab		05/31/2018	12/31/2018	233,549.37
S1059	Lift Station	Lift Station	7th Avenue Lift Station - Rebuild 235 HP Flygt Drywell Submersible Pump		10/19/2018	12/31/2018	36,625.90
S1062	All	Collection	Franklin Street 60" Sewer Repair		11/14/2018	12/31/2018	42,232.70
S1066	Plants	Equipment	Secondary Clarifiers - Pipe Cleaning Equipment		12/10/2018	12/31/2018	36,721.95
Cumulative Actual Total Project Cost (2015 dollars)							9,923,165.95

*Investment Numbers S1000 or greater are capital investments not identified in Appendix I

