



Investing in clean water resources

Semi-Annual Report 2017-2

July 1, 2017 through December 31, 2017

Submitted

March 1, 2018



Prepared by

EVANSVILLE WATER & SEWER UTILITY

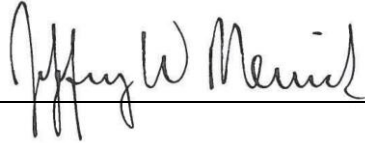
City-County Administration Building

1 NW Martin Luther King Blvd

Evansville, Indiana 47708

SUBMITTAL AUTHORIZATION

Approved By:



March 1, 2018

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.

Table of Contents

Table of Contents.....	VII
Acronyms and Abbreviations.....	IX
1 Introduction.....	1-1
1.1 Reporting Period Overview	1-2
2 Dry Weather Overflows.....	2-1
3 SSO and CSS Release Documentation and Reporting	3-1
3.1 SSO and CSS Releases.....	3-1
3.2 Recurring Overflows	3-1
3.3 Discharges to Water Bodies.....	3-1
3.4 Remedial Actions to Mitigate SSOs and CSS Releases	3-1
4 Installation of Overflow Alarms at Pump Stations	4-1
5 Revisions to CSO Operational Plan.....	5-1
6 Maximizing Existing Flow and Storage Capacity of the Sewer Systems	6-1
6.1 CSO Discharges when WWTP Flow was not Maximized	6-1
6.1.1 CSO 123, West System	6-1
6.1.2 CSO 009, West System	6-1
6.1.3 CSO 103, East System	6-1
6.2 East WWTP Influent Pump and Bar Screen Update.....	6-1
6.3 West WWTP Baffles Update	6-1
7 Capacity Management, Operating, and Maintenance Program Activities	7-1
7.1 Fats, Oil, and Grease Program	7-1
7.1.1 Status of FOG Program Preparation.....	7-2
7.1.2 Status of Approved FOG Program Implementation	7-2
7.1.3 The following occurred during the reporting period:	7-2
7.2 Approved CMOM Program Activities	7-3
7.2.1 Root Intrusion Treatments for Sewer Segments.....	7-3
7.2.2 Pump Station Inspections.....	7-3
7.2.3 Cleaning and Routine Inspection of Sewer Pipes.....	7-4
7.2.4 Manhole Inspections.....	7-5
7.2.5 Pump Station Assessment Update	7-5
7.2.6 Pump Station Ten State Standards Compliance Update	7-5
7.2.7 Additional Information Regarding CMOM Adherence.....	7-5
8 Sewer Overflow Response Plan	8-1
8.1 Development and Revision of the Sewer Overflow Response Plan.....	8-1
8.2 Implementation of Sewer Overflow Response Plan.....	8-1
8.2.1 Training.....	8-1
8.2.2 Development or Revisions of Standard Operating Procedures	8-1
8.2.3 Data Management and Tracking	8-1

	8.2.4 Outreach and Educational Materials.....	8-1
	8.2.5 Procedures for Public Notification	8-2
	8.2.6 Application of the SORP	8-2
9	Completion and Implementation of the LTCP.....	9-1
	9.1 Development Status of the LTCP.....	9-1
10	Sewer System Assessment Report	10-1
11	Sewer Systems Remedial Measures Plan	11-1
	11.1 Development Status of the SSRM Plan.....	11-1
12	General IOCP Development and Implementation.....	12-1
	12.1 Status of Consent Decree Appendix C Submittals	12-1
	12.1.1 Public and Regulatory Agency Participation	12-1
	12.1.2 SRCER Update.....	12-1
	12.1.3 System Characterization.....	12-1
	12.1.4 SSES and Work Plan.....	12-1
	12.1.5 Update to Modeling Program	12-1
	12.1.6 Capacity Assessment	12-2
	12.1.7 SSA Report.....	12-2
	12.1.8 SSRM Plan.....	12-2
	12.1.9 Update of LTCP Portion of IOCP	12-2
	12.2 Status of IOCP Improvements.....	12-2

Figure

List of Tables

3-1	SSO and CSS Releases
3-2	Recurring SSO and CSS Release Locations
3-3	SSO and CSS Releases to Water Bodies
3-4	CCTV Inspections at SSO or CSS Release Locations
7-1	Updated Food Establishment Listing
7-2	Sewer Segments Treated for Root Intrusion
7-3	Cleaning Statistics, 8" to 15" Diameter Pipes
7-4	8" to 15" Diameter Pipe Cleaning
7-5	8" to 15" Diameter CCTV Pipe Inspections
7-6	8" to 15" Diameter Rapid Assessment Tool Pipe Inspections
7-7	Manhole Inspections
11-1	SSRMP Capacity Related SSO Release Locations
12-1	Decree Deliverables Listing
12-2	Non-IOCP Capital Investments

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, 2017, through December 30, 2017, 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 2017-1 (September 1, 2017)
- Submitted 2017 Combined Sewer Overflow Operation Plan (CSOOP) Update (November 1, 2017)
- 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 two Green Infrastructure Projects and continued design and construction of eight additional projects.
- Continued design for Phase II portion of the North Park Rehabilitation project
- Continued Pigeon Creek Interceptor Cleaning project (95% complete)
- Continued Advanced Facility Planning, Bee Slough Solution
- Continued design of the West WWTP expansion
- Continued design of the Howell Park Storage Facility
- Continued design of the East WWTP Effluent Pump Station

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 2017 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 two additional sanitary pump stations (the I-164 pump station and the Cass Avenue pump station) that were installed with overflow alarms. Each of the Utility's 92 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 2017 CSO Operation Plan update November 1, 2017.

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

Table 6-1 tabulates overflows at CSOs 123, 009, and 103 on days when treated flows at the East and West WWTPs were less than the current, permitted maximum treatable flow.

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 that baffles be installed by April 30, 2011, to increase flow through the clarifiers. Baffle installation was completed 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.

During the 2014-2 reporting period, the Utility's FOG Web site was reevaluated and the FOG Coordinator's contact information was added to the Web site as the point of contact for all correspondence regarding FOG inquiries. Information available on the site includes general information and links regarding best management practices for managing food materials, grease trap design, maintenance, and function, and go-green initiatives. Public outreach materials for mailing were distributed to food establishments during the reporting period on an ongoing basis. Additionally, 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.

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:

- The Utility amended Chapter 13.05 of the Evansville Municipal Code – Ordinance-G-2017-30. The amendment expanded on the definition of grease traps and added language that addresses sizing and installation requirements that are specific in the Utility's Policy for Design, Installation, and Maintenance of FOG Removal Systems document.
- 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.
- 78 grease trap inspections (11% of the total) were conducted during the reporting period.
- Zero fines and 13 Notice(s) of Violation were issued 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, 2016, pursuant to CMOM 3.1, are described in the following subsections.

7.2.1 Root Intrusion Treatments for Sewer Segments

During the reporting period, 12,969 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 92 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 and the Cass Avenue sanitary pump station, therefore the total number of sanitary pump stations has increased to 92. Both the I-164 and the Cass Avenue sanitary pump stations were constructed to be in compliance 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, 4.1 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	73,632	13.9	8.0
SSS	2,411,106	61,647	11.7	2.6
Total	3,333,023	135,279	25.6	4.1

Table 7-4 provides details regarding the pipe segments that were cleaned, and the figure at the end of the report shows the location of the segments. In 2017, the Utility cleaned over 77 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, since signing the Decree, Evansville learned that, as of October 12, 2017, there were approximately 20 additional miles of 8-inch through 15-inch pipe segments that are included within the City's collection system and that were not known to the parties at the time the schedule in Decree Paragraph 23(j)(ii) was established. Based on this additional mileage, Evansville requested and was granted a modification to the decree to extend the deadline for completion of the cleaning and inspection program to January 31, 2018. Additionally, Table 7-4 also includes pipe segments cleaned during the extension period. With the exception of the pipe segments cleaned during the extension period, all pipe segments have been cleaned 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*

Over 120,100 linear feet of 8-inch to 15-inch diameter sewer segments were inspected using CCTV during the reporting period, and over 57,100 linear feet of 8-inch to 15-inch diameter sewer segments were inspected 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 2017, the Utility inspected over 93 miles of 8-inch to 15-inch diameter sewer segments, meeting the annual 75 mile CMOM inspection provision in the decree.

Additionally, Tables 7-5 and 7-6 identify pipe segments inspected during the extension period. With the exception of the pipe segments inspected during the extension period, all pipe segments have been inspected 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, 259 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 92 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 14 pump stations that were identified in CMOM 3.0 as pump stations in need of capital improvements to comply with Ten States Standards criteria.

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 and 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 previous reporting period, the Utility awarded contracts for the 2017 annual CIPP lining project. This project will result in 4.40 miles of sewers receiving lining rehabilitation. In addition, the Utility installed 69 manholes and contracted to install 27 manholes during the reporting period in conjunction with the schedule for cleaning and inspecting all 8-inch through 15-inch pipe segments program.

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 2017.

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. The standard operating procedures (SOPs) were modified as part of the SORP 2.2 submittal during the previous 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/csviewer/>.

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 two participation projects and initiated design and construction of eight 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. Cleaning was ongoing during the reporting period and the cleaning project is about 95% complete. Final design for optimization and real time control pending until cleaning is completed.
- **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 the Phase II portion of the project during the reporting period.

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

- **AFP – Bee Slough Solution:** Continued advanced facility planning. The AFP effort is complete.
- Continued design of the West WWTP expansion.
- Continued design of the Howell Park Storage Facility.
- Continued design of the East WWTP Effluent Pump Station.

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 the Phase II portion of the project during the reporting period.
- Lloyd Expressway Basin: Scoping initiated for the Bonnieview and Oak project during the reporting period.

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 by the November 31 deadline outlined within the Decree.

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.

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 1.5-year period.

Figure



SSO_CSS_Releases_July_December_2017

- SSO_CSS_Releases_July_2012_December_2017

- SAR_2017_2_Manhole_Inspections

— SAR_2017_2_Root_Intrusion

— SAR_2017_2_Sewer_InspectionSubmittal

— SAR_2017_2_Cleaning_Submittal

 combinedsewerarea

☐ CityBoundary

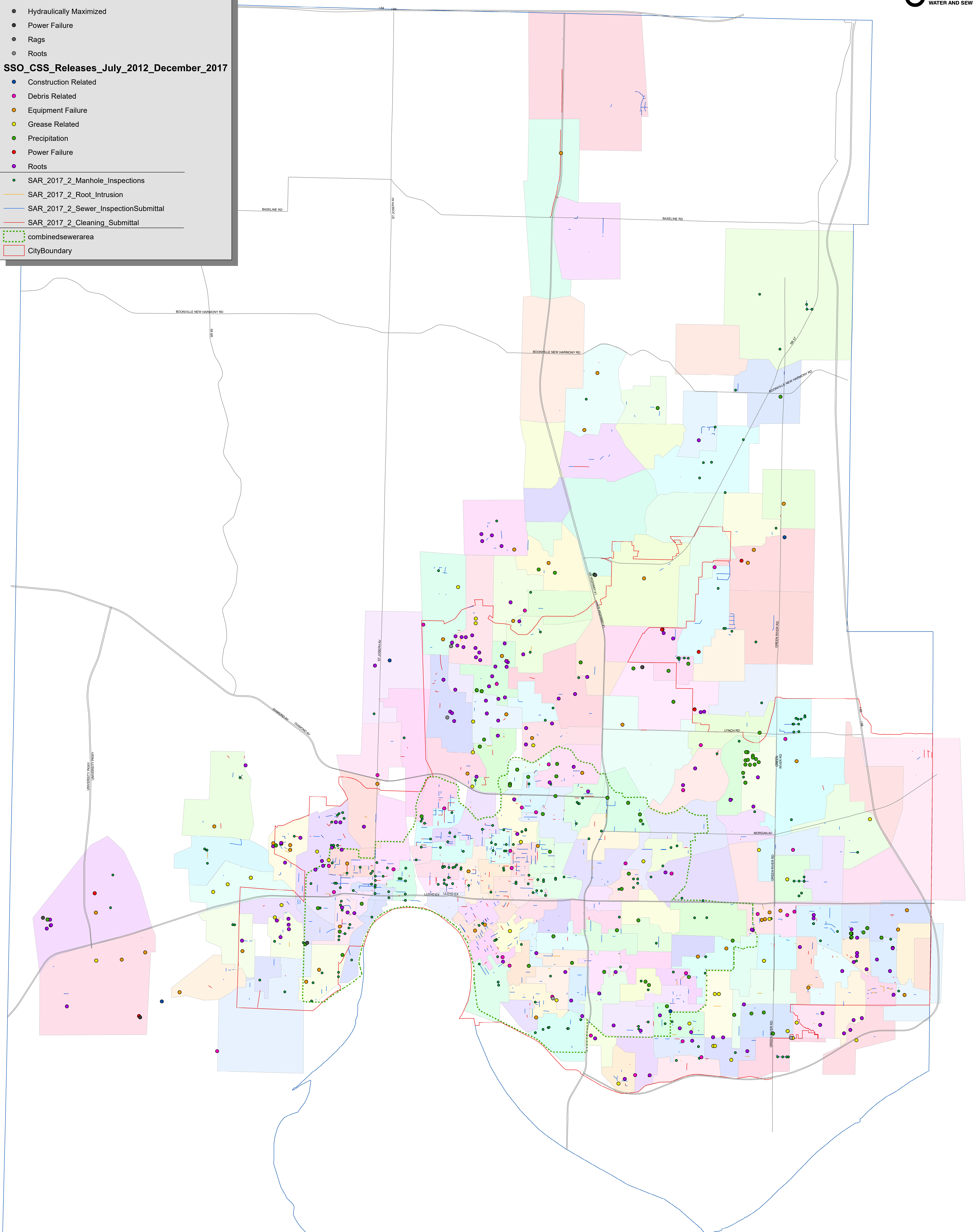


TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 Reporting Period and Preceding 5 Year Period

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	CSS	12/23/2017 9:00 AM	12/23/2017 1:00 PM	854 Covert Avenue	2557	2528	18406	4	500	Basement Floor Ground/Wolf Creek Tributary	Grease Hydraulically Maximized	Residential grease waste Collection System hydraulically Maximized	Sewer cleaned to remove grease 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	Grease	Residential grease waste	Sewer cleaned to remove grease	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	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	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	3,000	Ground/Bayou Creek Ground/Dry Branch Creek	Power Failure	Power failure at station	Generator activated	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/Little Pigeon Creek Tributary	Roots Hydraulically Maximized	Root infiltration	Sewer cleaned to remove roots 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	Ground/Howell 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	Roots	Root infiltration	Sewer cleaned to remove roots	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	Ground/Bayou Creek 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	Debris	Debris in sewer	Sewer cleaned to remove debris	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 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 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	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/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 9:45 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 / 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 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 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 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	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
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 Ground/Howell Wetland	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	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	4/9/2017 11:30 AM	4/9/2017 2:00 PM	5908 Shelbourne Road	10642	11307	10067	2.5	250	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	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 Hydraulically Maximized	Root infiltration	Sewer cleaned to remove roots Precipitation event ended and collection system returned to normal capacity	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	2,000	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	20	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 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	Ground/Little Pigeon 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

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 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	8/4/2016 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 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	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 Avenue	126200	280660	12994	1.16	7,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	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	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
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	4/27/2016 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	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	Sewer cleaned to remove roots	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

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 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	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 9:00 AM	9 W Missouri Street	7703	4924	5189	4	300	Basement Floor	Debris in sewer	Collection System hydraulically Maximized	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
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	Equipment Failure	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/Schlensker 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

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 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	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	Private contractor replaced section of damaged force main	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	Garage Floor Drain / Private Lake	Grease	Commercial grease waste	Sewer cleaned to remove grease	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	10	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 / Firlick 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 grease 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
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	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	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	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 10:00 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

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 Reporting Period and Preceding 5 Year Period

System	Sewer	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
														EWUS System	Private Property	
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/Carpentier 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	Ground/Wolf Creek Tributary	Hydraulically 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	No
W	SSS	3/3/2015 6:20 PM	3/3/2015 7:40 PM	5705 N First Avenue	9267	9260	10542	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/Carpentier 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/Carpentier 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 Crawlspace	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	Hydraulically 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 Keck Avenue	12052	281002	5451	0.75	100	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
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	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	9/2/2014 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	Yes
W	CSS	8/28/2014 7:15 PM	8/28/2014 10:00 PM	1304 N Heidelberg Avenue	4884	282375	5785	2.75	50	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
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	Ground/Frick Creek 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	Ground/Carpentier Creek Tributary	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 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 5:15 PM	7/19/2014 7:15 PM	2559 Hellmuth 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 Irwin 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	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/1/2014 6:15 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	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	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	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

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 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	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	2.08	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	1.08	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 Brixton 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	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	4/28/2014 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	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	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	Sewer cleaned to remove debris	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	4/18/2014 2:15 PM	4/18/2014 4:00 PM	950 S Helton 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
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 Helmut 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 Oxnord 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 Oxnord 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	71186	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

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 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	4/3/2014 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 Tulp 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 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	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	Maximized	Collection System hydraulically Maximized	returned to normal capacity	Yes	No	No
E	SSS	4/3/2014 10:00 AM	4/3/2014 10:30 AM	516 N Beeke Road	1800	79140	10	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	79140	14902	1.75	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	19786	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 Kolb 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 1:50 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	Creek	Grease	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
W	SSS	3/16/2013 3:30 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 Tulp 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 Heidelberg 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	28848	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	1/2/2014 9:30 AM	1/2/2014 10:35 PM	7 N Caranza Drive	13639	13640	12711	1.08	1,625	Tributary	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 Whitethorne 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/Carpenter 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 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	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

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 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	12/21/2013 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	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/Carpenter 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 Runymeade 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
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	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
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	Ground/Storm Ditch	Roots	Root infiltration	Replaced sections of main sewer	Yes	No	Yes
W	SSS	8/15/2013 7:40 AM	8/15/2013 8:00 AM	3815 Stringtown Road	8558	9557	12955	0.33	25	Ground	Roots	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 Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No	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	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	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
E	SSS	6/27/2013 5:45 AM	6/27/2013 6:45 AM	6218 Twickingham Drive	11087	NA	8104	1	90	Floor	Power Failure	Power failure at Station	Power restored to station	Yes	No	NA
W	SSS	6/25/2013 2:00 PM	6/25/2013 5:30 PM	4909 Sunnyside Court	NA	NA	NA	2.5	150	Ground	Roots	Root infiltration in private sewer	Roots removed by private contractor	No	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	No
E	SSS	6/24/2013 3:00 PM	6/25/2013 3:15 AM	6601 E Oak Street	5840	5841	22948	12.25	7,350	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	6/24/2013 3:00 PM	6/25/2013 3:15 AM	501 Plaza Drive	7236	7233	22506	12.25	55,125	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	6/24/2013 2:00 PM	6/24/2013 4:30 PM	711 W Mill Road	280751	3786	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	6/24/2013 1:30 PM	6/24/2013 4:00 PM	1187 Burch Drive	10918	10923	24226	2.5	30,750	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	6/24/2013 1:00 PM	6/24/2013 4:00 PM	2020 S Green River Road	10097	10103	25087	3	1,800	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	6/24/2013 12:10 PM	6/24/2013 12:40 PM	41 Oak Meadow	NA	NA	NA	0.5	300	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	6/24/2013 12:00 PM	6/24/2013 1:45 PM	4080 Millersburg Road	84336	84337	14429	1.75	5,250	Ground/Firlick Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 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	6/24/2013 11:45 AM	6/24/2013 2:45 PM	2701 N Stockwell Road	73819	5667	15407	3	1,800	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	6/24/2013 10:45 AM	6/24/2013 2:15 PM	1475 E Diamond Avenue	12210	12209	14882	3.5	5,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	6/24/2013 10:00 AM	6/24/2013 11:15 AM	600 Drexel Drive	126200	280660	12994	1.25	750	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	CSS	6/24/2013 9:45 AM	6/24/2013 12:00 PM	1304 N Heidelberg Avenue	4884	282375	5785	2.25	50	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	No
E	SSS	6/17/2013 12:55 PM	6/17/2013 2:00 PM	1716 Greencastle Drive	14241	14240	7572	1.08	65	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	6/14/2013 2:50 PM	6/14/2013 4:00 PM	2018 Glenmoor Road	14146	14149	7721	1.17	5	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	6/12/2013 1:00 PM	6/12/2013 2:15 PM	5301 Nurenburn Road	NA	NA	NA	1.25	375	Tributary	Debris	Debris in sewer	Private sewer cleaned to remove debris	No	Yes	No
W	SSS	6/12/2013 9:15 AM	6/12/2013 1:00 PM	51 Nunning Road	14618	14610	14774	3.75	28,125	Ground/Carpenter Creek Tributary	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	6/6/2013 12:40 PM	6/7/2013 10:30 AM	3708 Stringtown Road	58403	58404	22045	21.83	80	Ground	Equipment Failure	Broken section of sewer	Replaced section of main sewer	Yes	No	Yes
E	SSS	6/4/2013 3:15 PM	6/4/2013 3:45 PM	5236 Vogel Road	281913	13847	8042	0.5	10	Ground	Debris	Debris in lateral connection	Lateral cleaned to remove debris	Yes	No	Yes
E	CSS	6/3/2013 2:00 PM	6/3/2013 4:15 PM	1167 E Riverside Drive	50187	50189	12610	2.25	30	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	5/21/2013 10:35 PM	5/21/2013 10:45 PM	8440 Wolf Creek Drive	280844	14951	26416	0.17	500	Ground/Storm Sewer/Garage Floor	Power Failure	Power failure at Station	Power restored to station	Yes	No	Yes
W	SSS	5/20/2013 8:00 PM	5/20/2013 9:45 PM	1009 Old Post Road	9319	9315	11972	1.75	190	Ground/Storm Sewer/Basement Floor	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	5/17/2013 1:30 PM	5/17/2013 4:00 PM	8221 Berry Drive	127215	127160	12169	2.5	100	Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	5/16/2013 2:00 PM	5/16/2013 2:45 PM	1113 S Grand Avenue	1868	1870	18916	0.75	30	Ground	Roots	Collapsed section of lateral connection	Replaced section of lateral connection	Yes	No	Yes
W	SSS	5/12/2013 2:30 PM	5/12/2013 6:00 PM	9101 Meghan Court	14962	14979	13250	3.5	420	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	5/9/2013 1:40 PM	5/9/2013 2:00 PM	1221 N Garvin Street	12631	12633	17048	0.33	20	Ground	Equipment Failure	Collapsed section of lateral connection	Replaced section of lateral connection	Yes	No	Yes
W	SSS	5/9/2013 1:00 PM	5/9/2013 1:45 PM	8181 Berry Drive	127143	127140	14303	0.75	90	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	5/7/2013 6:45 PM	5/8/2013 8:00 PM	1111 Beale Street	11441	129000	23179	25.25	100	Ground	Equipment Failure	Broken section of sewer	Replaced section of main sewer	Yes	No	Yes
E	SSS	5/5/2013 8:50 PM	5/5/2013 11:20 PM	4219 Derby Lane	15119	15118	7407	2.5	250	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	5/5/2013 11:50 AM	5/5/2013 1:20 PM	3917 W Oregon Street	128005	125653	13771	1.5	5	Ground	Equipment Failure	Collapsed section of lateral connection	Replaced section of lateral connection	Yes	No	Yes
W	SSS		4/30/2013 11:00 AM	1187 Burch Drive	10918	10923	24226		4,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	Yes
E	SSS		4/30/2013 11:00 AM	4430 Lynch Road	133578	281821	12576	0.75	135	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	Yes
E	SSS	4/24/2013 12:30 PM	4/24/2013 1:15 PM	4314 E Oak Street	6347	6348	6713	0.75	135	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
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	NA
E	CSS	4/19/2013 12:30 AM	4/19/2013 3:00 AM	1475 E Diamond Avenue	12210	12209	14882	2.5	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	4/19/2013 12:30 AM	4/19/2013 5:00 AM	711 W Mill Road	280751	3786	27329	4.5	27,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	4/14/2013 1:30 PM	4/14/2013 1:45 PM	516 N Boeke Road				0.25	3	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	4/11/2013 5:05 PM	4/11/2013 5:50 PM	4717 N Kentucky Avenue	9773	9772	12201	0.75	250	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	4/11/2013 7:00 AM	4/11/2013 1:00 PM	707 Kleymeyer Avenue	8914	8912	21590	6	100	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	4/1/2013 8:30 AM	4/1/2013 9:30 AM	819 W Iowa Street				1	10	Ground	Equipment Failure	Broken section of sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	3/26/2013 4:50 PM	3/26/2013 5:50 PM	113 W Berkeley Avenue	9529	9526	11688	1	10	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	3/26/2013 11:30 AM	3/26/2013 6:00 PM	2108 N Heidelberg Avenue				6.5	100	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	3/22/2013 10:15 AM	3/22/2013 10:30 AM	4129 Meadowridge Road	9474	9472	11541	0.25	15	Ground	Equipment Failure	Collapsed section of lateral connection	Replaced section of lateral connection	Yes	No	Yes
W	SSS	3/21/2013 6:45 AM	3/21/2013 7:15 AM	8600 University Boulevard	NA	NA	NA	0.5	750	Ground	Equipment Failure	Bypass pump failure	Bypass pump replaced	Yes	No	NA
E	SSS	3/20/2013 6:45 PM	3/20/2013 11:15 PM	732 Southfield Road	5424	5425	7328	4.5	810	Ground	Equipment Failure	Ground Rod damaged section of sewer	Replaced section of main sewer	Yes	No	Yes
E	SSS	3/19/2013 2:40 PM	3/19/2013 3:45 PM	2212 Haleah Drive	76251	5740	7965	1.08	10	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
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	No
W	CSS	3/18/2013 10:00 AM	3/18/2013 11:00 AM	2000 N Fifth Avenue	4603	4602	12892	1	525	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	3/18/2013 9:45 AM	3/18/2013 8:30 PM	1407 Fuquay Road	10521	10593	23349	10.75	300	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/18/2013 7:20 AM	3/18/2013 6:30 PM	6601 E Oak Street	5840	5841	22948	11.17	1,675	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	3/18/2013 7:20 AM	3/18/2013 6:30 PM	501 Plaza Drive	7236	7233	22506	11.17	16,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	3/18/2013 3:00 AM	3/18/2013 4:00 AM	1475 E Diamond Avenue	12210	12209	14882	1	1,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	3/18/2013 Unknown	3/18/2013 7:00 AM	711 W Mill Road	280751	3786	27329	Unknown	6,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	CSS	3/17/2013 3:50 PM	3/17/2013 4:10 PM	2761 N Kentucky Avenue	NA	12379	NA	0.33	100	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/17/2013 2:15 PM	3/17/2013 2:30 PM	207 Kenmore Drive	6331	6328	6720	0.25	10	Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	3/17/2013 12:35 PM	3/17/2013 1:05 PM	6408 Washington Avenue	2956	6535	23963	0.5	400	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/17/2013 9:00 AM	3/17/2013 11:10 AM	732 Southfield Road	5424	5425	7328	2.17	650	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	3/13/2013 9:20 AM	3/13/2013 9:35 AM	2811 N Saint Joseph Avenue	4749	4750	12515	0.25	200	Ground/Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	3/12/2013 11:30 AM	3/12/2013 11:45 AM	2705 Oakley Street	9108	9111	24305	0.25	10	Ground	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
W	SSS	3/11/2013 10:30 AM	3/11/2013 11:45 AM	2919 Hartig Avenue	8247	8245	22450	1.25	5	Ground	Roots	Root Infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	3/8/2013 3:00 PM	3/8/2013 3:45 PM	381 Sorenson Avenue	11239	11240	13424	0.75	900	Ground/Storm Sewer	Roots	Root Infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS			1187 Burch Drive	10918	10923	24226		8,000	Ground/Storm Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	Yes
E	CSS	3/4/2013 3:45 PM	3/4/2013 7:30 PM	807 Oak Hill Road	6183	7809	6596	3.75	450	Ground/Storm Sewer	Debris/Grease	Debris and grease waste	Sewer cleaned to remove obstructions	Yes	No	Yes
W	SSS	2/26/2013 2:45 PM	2/26/2013 8:00 PM	4110 N Fourth Avenue	3728	120965	15424	5.25	33,000	Creek	Roots	Root Infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	2/25/2013 7:00 AM	2/25/2013 8:30 AM	3019 Hartig Avenue	14595	8255	22449	1.5	450	Ground	Roots	Root Infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	2/9/2013 1:30 PM	2/9/2013 2:00 PM	2601 Westchester Drive	4838	4837	24628	0.5	75	Ground	Roots	Root Infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	2/2/2013 Unknown	2/4/2013 1:00 PM	4909 Sunnyside Court	NA	NA	NA	Unknown	14,400	Ground/Carpenter Creek Tributary	Grease	Residential grease waste in private sewer	Grease removed by private contractor	No	Yes	No
E	CSS	1/30/2013 7:00 AM	1/30/2013 9:30 AM	1117 Englewood Court	NA	166615	20673	2.5	25	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	1/30/2013 1:15 AM	1/30/2013 1:50 AM	2524 N Baker Avenue	15679	15678	22436	0.58	3,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No	No
W	CSS	1/29/2013 2:45 PM	1/29/2013 3:15 PM	18 E Delaware Street	4930	NA	17302	0.5	5	Ground	Debris	Debris in lateral connection	Lateral cleaned to remove debris	Yes	No	Yes
W	SSS	1/26/2013 2:45 PM	1/26/2013 3:15 PM	7734 Miranda Drive	13511	13510	10664	0.5	10	Ground	Equipment Failure	Ground Rod damaged section of sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	1/24/2013 2:15 PM	1/24/2013 3:45 PM	1016 Wyngate Court	13080	11045	9847	1.5	270	Ground/Storm Ditch	Equipment Failure	Damaged section of sewer	Repaired section of main sewer	Yes	No	Yes

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 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	1/19/2013 6:45 PM	1/19/2013 10:30 PM	2424 Schutte Road	15002	15001	15575	3.75	22,500	Ground/Bayou Creek Tributary	Equipment Failure	Pump failure at station	Bypass pump installed while pumps are repaired	Yes	No	NA
W	SSS	1/18/2013 11:05 AM	1/18/2013 11:20 AM	2424 Schutte Road	15002	15001	15575	0.25	6,000	Ground/Bayou Creek Tributary	Power Failure	Power failure at station	Generator activated.	Yes	No	NA
W	CSS	1/16/2013 9:00 PM	1/17/2013 12:00 AM	1151 E Olmstead Avenue	12382	12381	14586	3	500	Ground	Equipment Failure	Flood protection sluice gate malfunctioned	Levee Authority replaced sluice gate	Yes	No	Yes
W	CSS	1/15/2013 2:45 PM	1/15/2013 4:00 PM	619 N Tenth Avenue				1.25	60	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	1/15/2013 11:50 AM	1/15/2013 12:30 PM	1125 W Mill Road	3811	3812	11769	0.67	10	Ground	Roots	Root infiltration	Replaced section of lateral connection	Yes	No	Yes
E	SSS	1/15/2013 8:30 AM	1/15/2013 10:00 AM	2031 N Cross Pointe Boulevard	279398	279399	28199	1.5	300	Ground/Storm Ditch	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	CSS	1/14/2013 3:00 PM	1/14/2013 4:15 PM	600 E Chandler Avenue	15782	15781	17228	1.25	6,000	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/13/2013 Unknown	1/13/2013 11:00 PM	2524 N Baker Avenue	15679	15678	22436	Unknown	82,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No	No
E	CSS	1/13/2013 Unknown	1/13/2013 7:00 PM	2018 Maxwell Avenue	5125	5124	22003	Unknown	33,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	1/13/2013 1:00 PM	1/13/2013 9:00 PM	6601 E Oak Street	5840	5841	22948	8	4,800	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	1/13/2013 1:00 PM	1/13/2013 9:00 PM	501 Plaza Drive	7236	7233	22506	8	12,000	Ground / Storm Sewer	Hydraulically Maximized	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	1/13/2013 Unknown	1/13/2013 7:00 PM	711 W Mill Road	280751	3786	27329	Unknown	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	SSS	1/13/2013 12:40 AM	1/13/2013 2:45 AM	4212 Saddlebrooke Lane	5787	5788	8212	2.08	150	Basement Floor	Hydraulically Maximized	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/13/2013 12:15 AM	1/13/2013 12:30 AM	41 Oak Meadow	NA	NA	NA	0.25	150	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	1/13/2013 12:15 AM	1/13/2013 5:00 AM	1475 E Diamond Avenue	12210	12209	14882	4.75	7,125	Ground/Storm Sewer	Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	SSS	1/12/2013 11:30 PM	1/13/2013 2:00 AM	713 E Buena Vista Road	11561	11562	12219	2.5	100	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
E	CSS	1/12/2013 11:00 PM	1/13/2013 8:30 AM	1117 Englewood Court	NA	166615	20673	9.5	25	Ground	Roots	Root Infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	1/12/2013 4:30 PM	1/13/2013 4:30 AM	101 E Eichel Avenue	4888	4889	5772	11.33	500	Basement Floor	Roots	Root Infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/12/2013 4:15 PM	1/14/2013 1:30 PM	4129 Kedzie Avenue	11561	11562	13376	45.25	1,000	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/11/2013 2:05 PM	1/11/2013 2:15 PM	1221 Western Hills Avenue	127990	11411	13753	0.17	10	Ground	Roots	Root infiltration	Replaced section of lateral connection	Yes	No	Yes
E	SSS	1/11/2013 1:00 PM	1/11/2013 1:45 PM	3401 Margybeth Avenue	10198	10199	23935	0.75	225	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	CSS	1/11/2013 8:45 AM	1/11/2013 10:00 AM	520 S Barker Avenue	8409	8406	13900	1.25	200	Ground	Equipment Failure	Collapsed section of sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	1/11/2013 7:40 AM	1/11/2013 8:15 AM	3130 Waterman Drive	8924	8923	21467	0.58	150	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	CSS	1/11/2013 7:20 AM	1/11/2013 8:15 AM	3 Richard Avenue	NA	280999	26555	0.92	200	Basement Floor	Roots	Root infiltration	Replaced section of main sewer and manhole	Yes	No	Yes
W	SSS	1/11/2013 2:00 AM	1/11/2013 2:15 AM	41 Oak Meadow	NA	NA	NA	0.25	150	Ground	Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	1/9/2013 2:45 PM	1/9/2013 4:00 PM	2320 E Iowa Street	2119	2118	6475	1.25	10	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	1/9/2013 11:00 AM	1/9/2013 1:00 PM	1304 N Heidebach Avenue	4884	282375	5785	2	50	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	CSS	1/9/2013 9:45 AM	1/9/2013 4:30 PM	400 SE Eighth Street	4237	4267	5964	6.75	100	Ground	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	1/5/2013 3:45 PM	1/5/2013 4:15 PM	709 Thornberry Drive	9261	9260	12025	0.5	10	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/4/2013 6:00 PM	1/4/2013 7:00 PM	7200 Sweet Gum Court	NA	LS	NA	1	15	Basement Floor	Roots	Residential grease waste	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	1/1/2013 6:30 PM	1/1/2013 10:45 PM	4319 Clover Drive	7337	7336	21972	4.25	100	Ground/Storm Ditch	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	12/27/2012 12:15 PM	12/27/2012 12:35 PM	3025 E Chandler Avenue	6713	6719	20095	0.33	5	Ground	Equipment Failure	Collapsed section of lateral connection	Replaced section of lateral connection	Yes	No	Yes
W	SSS	12/26/2012 7:00 AM	12/26/2012 7:30 AM	363 S Craig Avenue	11249	11247	13402	0.5	3	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	12/21/2012 10:40 AM	12/21/2012 11:00 AM	1816 Greenfield Road	14032	14034	7724	0.33	5	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	12/21/2012 9:00 AM	12/21/2012 10:15 AM	4080 Millersburg Road	84336	84337	14429	1.25	3,750	Ground/Firlick Creek	Power Failure	Millersburg Lift Station UPS power failure	Replace UPS and install PLC fail relay	Yes	No	NA
W	SSS	12/11/2012 9:00 AM	12/11/2012 10:15 AM	4512 Longfield Drive	4102	3749	11610	1.25	2	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	12/10/2012 10:20 PM	12/10/2012 10:00 PM	4519 Stratford Road	3791	4098	27346	0.67	200	Ground/Storm Sewer	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
E	SSS	12/6/2012 3:55 PM	12/6/2012 4:45 PM	6601 E Cherry Street	5844		24332	0.83	10	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	12/3/2012 11:45 AM	12/3/2012 12:30 PM	801 S Bosse Avenue	11160	11159	23575	0.75	2	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	12/3/2012 9:20 AM	12/3/2012 2:20 PM	301 Ladonna Boulevard	90193	90197	13063	5	600	Ground/Storm Ditch	Roots	Root infiltration	Replaced section of main sewer	No	Yes	NA
E	SSS	11/29/2012 10:05 AM	11/29/2012 2:30 PM	804 Southfield Road	5427	5424	7329	4.42	75	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/29/2012 10:05 AM	11/29/2012 2:30 PM	732 Southfield Road	5424	5425	7328	4.42	75	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/26/2012 12:26 PM	11/26/2012 4:15 PM	3022 Igleheart Avenue	8828	8823	21840	3.83	700	Ground/Storm Ditch	Debris	Construction debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	CSS	11/23/2012 10:30 AM	11/24/2012 9:45 AM	313 Dreier Boulevard		14135	23.25	200	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes	
E	CSS	11/21/2012 3:45 PM	11/21/2012 9:30 PM	801 Ravenswood Drive	2527	2528	18406	5.75	15	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	11/20/2012 1:13 PM	11/20/2012 1:26 PM	8600 University Boulevard	NA	NA	NA	0.22	375	Ground/Storm Ditch	Grease	Commercial grease waste on USI Lift Station Floats	Grease removed from wet well	Yes	No	NA
E	SSS	11/18/2012 9:35 AM	11/18/2012 12:30 PM	2755 Wayside Drive	7291	7290	22745	2.92	80	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	CSS	11/11/2012 2:20 PM	11/11/2012 5:45 PM	717 Stanley Avenue	12283	12282	19618	3.42	20	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	11/8/2012 12:15 PM	11/8/2012 7:15 PM	6717 Lincoln Avenue	5430	7249	7357	7	30	Ground	Roots	Root infiltration	Replace service lateral connection	Yes	No	Yes
W	SSS	10/30/2012 1:15 PM	10/30/2012 2:00 PM	2511 N First Avenue	9138	9135	6516	0.75	25	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	No
E	SSS	10/30/2012 1:10 AM	10/30/2012 10:25 AM	3021 Wayside Drive	7469	7272	22715	0.25	2	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	10/25/2012 8:00 PM	10/25/2012 10:00 PM	1319 Stinson Avenue	2167	2168	12428	2	5	Basement Floor	Equipment Failure	Collapsed section of sewer	Replaced section of main sewer and lateral	Yes	No	Yes
W	SSS	10/25/2012 5:15 PM	10/25/2012 6:00 PM	4206 Kensington Avenue	4091	4095	11599	0.75	5	Ground	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
E	CSS	10/23/2012 11:45 AM	10/23/2012 12:30 PM	711 Saint Marys Drive	99593	51762	11358	0.75	30	Ground	Equipment Failure	Offset section of sewer	Utility to replace section of sewer	Yes	No	Yes
W	CSS	10/18/2012 3:10 PM	10/18/2012 8:30 PM	2745 Marion Avenue	99374	14129	14129	0.33	20	Ground	Roots	Root infiltration	Utility lined section of main sewer	Yes	No	Yes
E	SSS	10/18/2012 9:00 AM	10/18/2012 11:30 AM	2816 Margybeth Avenue	2905	2906	7675	2.5	150	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	10/18/2012 9:00 AM	10/18/2012 9:45 AM	4206 Kensington Avenue	4091	4095	11599	0.75	20	Ground	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
E	SSS	10/2/2012 2:30 PM	10/2/2012 8:00 PM	4209 Kathleen Avenue	2790	80674	22574	5.5	150	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	9/24/2012 8:20 AM	9/24/2012 8:50 AM	7611 Bellemeade Avenue	7083	7081	7465	0.5	5	Ground	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No	Yes
W	SSS	9/17/2012 8:45 PM	9/17/2012 9:35 PM	2400 Tarry Lane	NA	5710	7147	0.83	25	Bathroom Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes

TABLE 3-1
SSO and CSS Releases
July 1, 2017 through December 31, 2017 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	CSS	8/2/2012 11:00 PM	8/3/2012 1:45 AM	804 E Mulberry Street	NA	15772	17142	2.75	350	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
W	CSS	8/2/2012 11:00 PM	8/3/2012 12:00 AM	2837 Floyd Street	8328	8330	12464	1	25	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	8/2/2012 10:10 PM	8/3/2012 12:45 AM	613 N Norman Avenue	11827	5495	18372	2.58	100	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	8/2/2012 10:10 PM	8/3/2012 12:30 AM	213 N Rotherwood Avenue	NA	11822	6618	2.33	10	Bathroom Floor	Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No	No
E	CSS	7/30/2012 3:15 PM	7/30/2012 6:15 PM	1032 Covert Avenue	1905	1906	12588	3	100	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	7/30/2012 1:00 PM	7/30/2012 2:00 PM	905 N Lincoln Park Drive	281841	281840	28386	1	25	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	CSS	7/27/2012 1:45 PM	7/27/2012 2:30 PM	1750 S Parker Avenue	3381	3380	12624	0.75	25	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	7/25/2012 10:05 AM	7/25/2012 10:10 AM	4015 Millersburg Road	NA	NA	24714	0.08	1,500	Ground	Equipment Failure Construction Related	Bypass Pump Connection Valve did not seat	Crew exercised valve to seat	Yes	No	NA
W	SSS	7/12/2012 9:30 AM	7/12/2012 11:30 AM	2267 W Mill Road	NA	NA	NA	2	20	Ground		Contractor damaged private force main	Plumbing contractor repaired private force main	No	Yes	NA
W	SSS	7/9/2012 10:45 PM	7/10/2012 12:00 AM	10700 Eagle Crossing Drive	12835	12834	9180	1.25	75	Ground/Bathroom Floor	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	CSS	7/4/2012 3:20 PM	7/4/2012 5:05 PM	1365 Mesker Park Drive	8290	8150	11397	1.75	5	Basement Floor	Roots	Roots found in utility main	Sewer cleaned to remove roots	Yes	No	Yes

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2017 through December 31, 2017 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	12/23/2017 9:00 AM	12/23/2017 1:00 PM	854 Covert Avenue	2527	2528	18406	4	500	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
E	CSS	11/21/2012 3:45 PM	11/21/2012 9:30 PM	801 Ravenswood Drive	2527	2528	18406	5.75	15	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	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
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
E	SSS	11/18/2012 9:35 AM	11/18/2012 12:30 PM	2755 Wayside Drive	7291	7290	22745	2.92	80	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	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	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	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	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	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
E	CSS	8/2/2012 11:00 PM	8/3/2012 1:45 AM	804 E Mulberry Street	NA	15772	17142	2.75	350	Basement Floor	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	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
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	6/24/2013 11:45 AM	6/24/2013 2:45 PM	2701 N Stockwell Road	73819	5667	15407	3	1,800	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	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
E	SSS	8/26/2012 5:00 PM	8/26/2012 7:00 PM	5124 Helmuth Avenue	3103	3104	22685	2	5	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	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
E	CSS	8/2/2012 11:25 PM	8/3/2012 1:45 AM	1220 S Spring Street	10141	10140	16193	2.33	50	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	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	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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2017 through December 31, 2017 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	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	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
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	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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2017 through December 31, 2017 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	4/3/2015 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
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	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
E	SSS	6/24/2013 1:00 PM	6/24/2013 4:00 PM	2020 S Green River Road	10097	10103	25087	3	1,800	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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2017 through December 31, 2017 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	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	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
W	SSS	6/25/2013 2:00 PM	6/25/2013 5:30 PM	4909 Sunnyside Court	NA	NA	NA	3.5	150	Ground	Roots	Root infiltration in private sewer	Roots removed by private contractor	No	Yes
W	SSS	2/2/2013 Unknown	2/4/2013 1:00 PM	4909 Sunnyside Court	NA	NA	NA	Unknown	14,400	Ground/Carpentier Creek Tributary	Grease	Residential grease waste in private sewer	Grease removed by private contractor	No	Yes
W	SSS	6/24/2013 12:00 PM	6/24/2013 1:45 PM	4080 Millersburg Road	84336	84337	14429	1.75	5,250	Ground/Firlick Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No
W	SSS	12/21/2012 9:00 AM	12/21/2012 10:15 AM	4080 Millersburg Road	84336	84337	14429	1.25	3,750	Ground/Firlick Creek	Power Failure	Millersburg Lift Station UPS power failure	Replace UPS and install PLC fail relay	Yes	No
W	CSS	8/28/2014 7:15 PM	8/28/2014 10:00 PM	1304 N Heidelberg Avenue	4884	282375	5785	2.75	50	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
W	CSS	6/24/2013 9:45 AM	6/24/2013 12:00 PM	1304 N Heidelberg Avenue	4884	282375	5785	2.25	50	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
W	CSS	3/10/2013 2:45 PM	3/10/2013 5:15 PM	1304 N Heidelberg Avenue	4884	282375	5785	2.5	50	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
W	CSS	1/9/2013 11:00 AM	1/9/2013 1:00 PM	1304 N Heidelberg Avenue	4884	282375	5785	2	50	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	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
W	SSS	6/24/2013 1:30 PM	6/24/2013 4:00 PM	1187 Burch Drive	10918	10923	24226	2.5	30,750	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS		4/30/2013 11:00 AM	1187 Burch Drive	10918	10923	24226		4,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS			1187 Burch Drive	10918	10923	24226		8,000	Ground/Storm Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2017 through December 31, 2017 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	3/10/2015 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
E	SSS	6/24/2013 3:00 PM	6/25/2013 3:15 AM	6601 E Oak Street	5840	5841	22948	12.25	7,350	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	3/18/2013 7:20 AM	3/18/2013 6:30 PM	6601 E Oak Street	5840	5841	22948	11.17	1,675	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	1/13/2013 1:00 PM	1/13/2013 9:00 PM	6601 E Oak Street	5840	5841	22948	8	4,800	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	1/30/2013 7:00 AM	1/30/2013 9:30 AM	1117 Englewood Court	NA	166615	20673	2.5	25	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No
E	CSS	1/12/2013 11:00 PM	1/13/2013 8:30 AM	1117 Englewood Court	NA	166615	20673	9.5	25	Ground	Roots	Root Infiltration	Sewer cleaned to remove roots	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	1/30/2013 1:15 AM	1/30/2013 1:50 AM	2524 N Baker Avenue	15679	15678	22436	0.58	3,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No
W	SSS	1/13/2013 Unknown	1/13/2013 11:00 PM	2524 N Baker Avenue	15679	15678	22436	Unknown	82,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	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	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
W	SSS	6/24/2013 12:10 PM	6/24/2013 12:40 PM	41 Oak Meadow	NA	NA	NA	0.5	300	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	1/13/2013 12:15 AM	1/13/2013 12:30 AM	41 Oak Meadow	NA	NA	NA	0.25	150	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	1/11/2013 2:00 AM	1/11/2013 2:15 AM	41 Oak Meadow	NA	NA	NA	0.25	150	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	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
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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2017 through December 31, 2017 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	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	CSS	6/24/2013 10:45 AM	6/24/2013 2:15 PM	1475 E Diamond Avenue	12210	12209	14882	3.5	5,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	4/19/2013 12:30 AM	4/19/2013 3:00 AM	1475 E Diamond Avenue	12210	12209	14882	2.5	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	3/18/2013 3:00 AM	3/18/2013 4:00 AM	1475 E Diamond Avenue	12210	12209	14882	1	1,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	1/13/2013 12:15 AM	1/13/2013 5:00 AM	1475 E Diamond Avenue	12210	12209	14882	4.75	7,125	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	10/25/2012 5:15 PM	10/25/2012 6:00 PM	4206 Kensington Avenue	4091	4095	11599	0.75	5	Ground	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No
W	SSS	10/18/2012 9:00 AM	10/18/2012 9:45 AM	4206 Kensington Avenue	4091	4095	11599	0.75	20	Ground	Roots	Root infiltration	Replaced section of main sewer and lateral	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
E	SSS	8/15/2012 Unknown	8/15/2012 11:00 AM	600 Normandy Drive	6161	6158	6768	Unknown	2,000	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Grease removed by private contractor	No	Yes
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	SSS	6/24/2013 3:00 PM	6/25/2013 3:15 AM	501 Plaza Drive	7236	7233	22506	12.25	55,125	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	3/18/2013 7:20 AM	3/18/2013 6:30 PM	501 Plaza Drive	7236	7233	22506	11.17	16,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	1/13/2013 1:00 PM	1/13/2013 9:00 PM	501 Plaza Drive	7236	7233	22506	8	12,000	Ground / Storm Sewer	Hydraulically Maximized	Root infiltration	Replaced section of main sewer	Yes	No
E	SSS	3/20/2013 6:45 PM	3/20/2013 11:15 PM	732 Southfield Road	5424	5425	7328	4.5	810	Ground	Equipment Failure	Ground Rod damaged section of sewer	Replaced section of main sewer	Yes	No
E	SSS	3/17/2013 9:00 AM	3/17/2013 11:10 AM	732 Southfield Road	5424	5425	7328	2.17	650	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	11/29/2012 10:05 AM	11/29/2012 2:30 PM	804 Southfield Road	5427	5424	7329	4.42	75	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	11/29/2012 10:05 AM	11/29/2012 2:30 PM	732 Southfield Road	5424	5425	7328	4.42	75	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	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	12/23/2017 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
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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2017 through December 31, 2017 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	4/29/2017 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	6/24/2013 10:00 AM	6/24/2013 11:15 AM	600 Drexel Drive	126200	280660	12994	1.25	750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	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
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	SSS	6/24/2013 2:00 PM	6/24/2013 4:30 PM	711 W Mill Road	3786	280751	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/19/2013 12:30 AM	4/19/2013 5:00 AM	711 W Mill Road	3786	280751	27329	4.5	27,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	3/18/2013 Unknown	3/18/2013 7:00 AM	711 W Mill Road	3786	280751	27329	Unknown	6,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	1/13/2013 Unknown	1/13/2013 7:00 PM	711 W Mill Road	3786	280751	27329	Unknown	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2017 through December 31, 2017 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	CSS	8/2/2012 11:10 PM	8/3/2012 12:30 AM	8 Tulip Avenue	12333	12312	24259	1.33	50	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Replaced section of main sewer	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 Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/21/2013 10:35 PM	5/21/2013 10:45 PM	8440 Wolf Creek Drive	280844	14951	26416	0.17	500	Ground/Storm Sewer/Garage Floor	Power Failure	Power failure at Station	Power restored to station	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
W	SSS	1/19/2013 6:45 PM	1/19/2013 10:30 PM	2424 Schutte Road	15002	15001	15575	3.75	22,500	Ground/Bayou Creek Tributary	Equipment Failure	Pump failure at station	Bypass pump installed while pumps are repaired	Yes	No
W	SSS	1/18/2013 11:05 AM	1/18/2013 11:20 AM	2424 Schutte Road	15002	15001	15575	0.25	6,000	Ground/Bayou Creek Tributary	Power Failure	Power failure at station	Generator activated.	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
W	SSS	3/21/2013 6:45 AM	3/21/2013 7:15 AM	8600 University Boulevard	NA	NA	NA	0.5	750	Ground	Equipment Failure	Bypass pump failure	Bypass pump replaced	Yes	No
W	SSS	11/20/2012 1:13 PM	11/20/2012 1:26 PM	8600 University Boulevard	NA	NA	NA	0.22	375	Ground/Storm Ditch	Grease	Commercial grease waste on USI Lift Station Floats	Grease removed from wet well	Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2017 through December 31, 2017 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	12/23/2017 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	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	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	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	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 Tributary	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	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	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	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 Tributary	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	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	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	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	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	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	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 Tributary	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	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	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	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	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	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	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	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	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	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/Carpenter Creek Tributary	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	Ground/Pigeon Creek 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 Tributary	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	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
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
E	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	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	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

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2017 through December 31, 2017 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	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	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	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	Precipitation event ended and collection system returned to normal capacity		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	Ground/Wolf Creek 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	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/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	Precipitation event ended and collection system returned to normal capacity		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	Ground/Eagle Creek 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	14990	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
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	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	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	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	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	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	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	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	Precipitation event ended and collection system returned to normal capacity		Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2017 through December 31, 2017 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	12/23/2015 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/Carpenter Creek Tributary	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/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 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
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 ppump 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/Carpenter 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 3:15 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	Hydraulically 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

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2017 through December 31, 2017 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	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/Carpenter 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
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/Carpenter Creek Tributary	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/Carpenter 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 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	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 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	8999	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/Carpenter Creek Tributary	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/Carpenter Creek Tributary	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 shut down and repaired broken water main	Contractor damaged 8" water main that inundated the CSS	Yes	No
W	SSS	10/13/2014 6:15 PM	10/13/2014 7:15 PM	1211 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
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
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	Roots	Root infiltration	Replaced section of main sewer	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	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

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2017 through December 31, 2017 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	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	Hydraulically 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
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	Debris	Debris in sewer	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	Ground/Dry Branch 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	1/2/2014 10:35 PM	7 N Caranza Drive	13639	13640	12711	1.08	1,625	Ground/Pigeon Creek Tributary	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	Ground/Wolf Creek Tributary	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

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2017 through December 31, 2017 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 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	6020	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
W	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 Tributary	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	418 Holly Hill Drive	127137	127161	12173	2.33	2,500	Ground/Storm Ditch	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
E	SSS	6/24/2013 3:00 PM	6/25/2013 3:15 AM	6601 E Oak Street	5840	5841	22948	12.25	7,350	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	6/24/2013 3:00 PM	6/25/2013 3:15 AM	501 Plaza Drive	7236	7233	22506	12.25	55,125	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	6/24/2013 2:00 PM	6/24/2013 4:30 PM	711 W Mill Road	3785	3786	23760	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	6/24/2013 1:30 PM	6/24/2013 4:00 PM	1187 Burch Drive	10918	10923	24226	2.5	30,750	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	6/24/2013 1:00 PM	6/24/2013 4:00 PM	2020 S Green River Road	10097	10103	25087	3	1,800	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	6/24/2013 12:00 PM	6/24/2013 1:45 PM	4080 Millersburg Road	84336	84337	14429	1.75	5,250	Ground/Firlick Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No
E	CSS	6/24/2013 10:45 AM	6/24/2013 2:15 PM	1475 E Diamond Avenue	12210	12209	14882	3.5	5,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	6/24/2013 10:00 AM	6/24/2013 11:15 AM	600 Drexel Drive	126200	280660	12994	1.25	750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	6/17/2013 12:55 PM	6/17/2013 2:00 PM	1716 Greencastle Drive	14241	14240	7572	1.08	65	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	6/12/2013 1:00 PM	6/12/2013 2:15 PM	5301 Nurrenbum Road	NA	NA	NA	1.25	375	Ground/Bayou Creek Tributary	Unknown	Unknown	Private sewer cleaned to remove obstruction	No	Yes
W	SSS	6/12/2013 9:15 AM	6/12/2013 1:00 PM	51 Nunning Road	14618	14610	14774	3.75	28,125	Ground/Carpenter Creek Tributary	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	5/21/2013 10:35 PM	5/21/2013 10:45 PM	8440 Wolf Creek Drive	280844	14951	26416	0.17	500	Ground/Storm Sewer/Garage Floor	Power Failure	Power failure at Station	Power restored to station	Yes	No
W	SSS	5/20/2013 8:00 PM	5/20/2013 9:45 PM	1009 Old Post Road	9319	9315	11972	1.75	190	Sewer/Basement Floor	Roots	Root infiltration	Replaced section of main sewer	Yes	No
W	SSS	5/12/2013 2:30 PM	5/12/2013 6:00 PM	9101 Meghan Court	14982	14979	13250	3.5	420	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	CSS	4/19/2013 12:30 AM	4/19/2013 3:00 AM	1475 E Diamond Avenue	12210	12209	14882	2.5	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	4/19/2013 12:30 AM	4/19/2013 5:00 AM	711 W Mill Road	3785	3786	23760	4.5	27,000	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, 2017 through December 31, 2017 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	3/18/2013 7:20 AM	3/18/2013 6:30 PM	6601 E Oak Street	5840	5841	22948	11.17	1,675	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	3/18/2013 7:20 AM	3/18/2013 6:30 PM	501 Plaza Drive	7236	7233	22506	11.17	16,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	3/18/2013 3:00 AM	3/18/2013 4:00 AM	1475 E Diamond Avenue	12210	12209	14882	1	1,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	3/18/2013 Unknown	3/18/2013 7:00 AM	711 W Mill Road	3785	3786	23760	Unknown	6,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
W	SSS	3/13/2013 9:20 AM	3/13/2013 9:35 AM	2811 N Saint Joseph Avenue	4749	4750	12515	0.25	200	Ground/Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
W	SSS	3/8/2013 3:00 PM	3/8/2013 3:45 PM	381 Sorenson Avenue	11239	11240	13424	0.75	900	Ground/Storm Sewer	Roots	Root Infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS			1187 Burch Drive	10918	10923	24226		8,000	Ground/Storm Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	3/4/2013 3:45 PM	3/4/2013 7:30 PM	807 Oak Hill Road	6183	7809	6596	3.75	450	Ground/Storm Sewer	Debris/Grease	Debris and grease waste	Sewer cleaned to remove obstructions	Yes	No
W	SSS	2/26/2013 2:45 PM	2/26/2013 8:00 PM	4110 N Fourth Avenue	3728	120965	15424	5.25	33,000	Ground/Dry Branch Creek	Roots	Root Infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	2/2/2013 Unknown	2/4/2013 1:00 PM	4909 Sunnyside Court	NA	NA	NA	Unknown	14,400	Ground/Carpentier Creek Tributary	Grease	Residential grease waste in private sewer	Grease removed by private contractor	No	Yes
W	SSS	1/30/2013 1:15 AM	1/30/2013 1:50 AM	2524 N Baker Avenue	15679	15678	22436	0.58	3,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No
W	SSS	1/24/2013 2:15 PM	1/24/2013 3:45 PM	1016 Wyrngate Court	13080	11045	9847	1.5	270	Ground/Storm Ditch	Equipment Failure	Damaged section of sewer	Repaired section of main sewer	Yes	No
W	SSS	1/19/2013 6:45 PM	1/19/2013 10:30 PM	2424 Schutte Road	15002	15001	15575	3.75	22,500	Tributary Ground/Bayou Creek	Equipment Failure	Pump failure at station	Bypass pump installed while pumps are repaired	Yes	No
W	SSS	1/18/2013 11:05 AM	1/18/2013 11:20 AM	2424 Schutte Road	15002	15001	15575	0.25	6,000	Tributary	Power Failure	Power failure at station	Generator activated.	Yes	No
E	SSS	1/15/2013 8:30 AM	1/15/2013 10:00 AM	2031 N Cross Pointe Boulevard	279398	279399	28199	1.5	300	Ground/Storm Ditch	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	1/13/2013 Unknown	1/13/2013 11:00 PM	2524 N Baker Avenue	15679	15678	22436	Unknown	82,500	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole cover secured to casting	Yes	No
E	CSS	1/13/2013 Unknown	1/13/2013 7:00 PM	2018 Maxwell Avenue	5125	5124	22003	Unknown	33,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	1/13/2013 1:00 PM	1/13/2013 9:00 PM	6601 E Oak Street	5840	5841	22948	8	4,800	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	SSS	1/13/2013 1:00 PM	1/13/2013 9:00 PM	501 Plaza Drive	7236	7233	22506	8	12,000	Ground / Storm Sewer	Hydraulically Maximized	Root infiltration	Replaced section of main sewer	Yes	No
W	SSS	1/13/2013 Unknown	1/13/2013 7:00 PM	711 W Mill Road	3785	3786	23760	Unknown	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	1/13/2013 12:15 AM	1/13/2013 5:00 AM	1475 E Diamond Avenue	12210	12209	14882	4.75	7,125	Ground/Storm Sewer	Maximized	Collection System hydraulically Maximized	Modeling being conducted for Collection System	Yes	No
E	CSS	1/1/2013 6:30 PM	1/1/2013 10:45 PM	4319 Clover Drive	7337	7336	21972	4.25	100	Ground/Storm Ditch	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	12/21/2012 9:00 AM	12/21/2012 10:15 AM	4080 Millersburg Road	84336	84337	14429	1.25	3,750	Ground/Firlick Creek	Power Failure	Millersburg Lift Station UPS power failure	Replace UPS and install PLC fail relay	Yes	No
W	SSS	12/19/2012 9:20 PM	12/19/2012 10:00 PM	4519 Stratford Road	3791	4098	27346	0.67	200	Ground/Storm Sewer	Roots	Root infiltration	Replaced section of main sewer and lateral	Yes	No
W	SSS	12/9/2012 9:20 AM	12/9/2012 2:20 PM	301 Ladonna Boulevard	90193	90197	13063	5	600	Ground/Storm Ditch	Roots	Root infiltration	Replaced section of main sewer	No	Yes
W	SSS	11/26/2012 12:25 PM	11/26/2012 4:15 PM	3022 Igheheart Avenue	8828	8823	21840	3.83	700	Ground/Storm Ditch	Debris	Construction debris in sewer	Sewer cleaned to remove debris	Yes	No
W	SSS	11/20/2012 1:13 PM	11/20/2012 1:26 PM	8600 University Boulevard	NA	NA	NA	0.22	375	Ground/Storm Ditch	Grease	Commercial grease waste on USI Lift Station Floats	Grease removed from wet well	Yes	No
W	SSS	10/30/2012 1:15 PM	10/30/2012 2:00 PM	2511 N First Avenue	9138	9135	6516	0.75	25	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	8/15/2012 Unknown	8/15/2012 11:00 AM	600 Normandy Drive	6161	6158	6768	Unknown	2,000	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Grease removed by private contractor	No	Yes

TABLE 3-4
CCTV Inspections at SSO or CSS Release Locations
July 1, 2017 through December 31, 2017 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	CSS	12/23/2017 9:00 AM	12/23/2017 1:00 PM	854 Covert Avenue	2527	2528	18406	4	500	Basement Floor Ground/Dry Branch	Grease	Residential grease waste	Sewer cleaned to remove grease	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	Creek	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	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	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 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
Autumn Barn Farms	5922 Vogel 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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
Bits & Bytes	216 NW Fourth St	47708
Blimpie Subs & Salads - PPG	424 E Inglefield Rd	47725
Bob Evans #132	1125 N Green River Rd	47715
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
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 #453	4635 First Ave	47710
Buehlers Buy Low #456	12500 N Highway 41	47725
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	2501 Menards Dr	47715
Burger King	1100 Hirschland Rd	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
Café One Eleven	111 S Green River Rd Suite D	47715
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
Carrousel	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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
Casey's General Store #3073	2020 S Green River Rd	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
Central United Methodist	300 Mary St	47710
Charles Denby Post #2953	1800 Pollack Ave	47714
Charlies Mongolian BBQ	315 E Diamond Ave	47711
Chava's Mexican Grill	4202A First Ave	47710
Cheddar's	2100 N Green River Rd	47715
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 K #104/ Windmill Bakery	6801 Highway 41	47711
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	1641 S Kentucky Ave	47714
Conoco	1921 E Franklin St	47711
Cookies by Design	419 Metro Ave	47715

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
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
Courtyard by Marriott	8105 E Walnut St	47715
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	901 W Franklin St	47710
Dairy Queen	4140 First Ave	47710
Dairy Queen	4830 University Dr	47712
Dairy Queen	1159 E Virginia St	47711
Dairy Queen	5200 Division St	47715
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	47711
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
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
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	1950 Washington Ave	47714
Donut Bank	2128 First Ave	47710
Donut Bank	1200 Lincoln Ave	47714
Double Tree by Hilton	601 Walnut St	47708
Downtown Grocery Outlet	501 Lincoln Ave	47713
DQ Grill & Chill	2720 N Green River Rd	47715
Dream Center	16 W Morgan Ave	47710
Dream Creamery	800 N Green River Rd	47715
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 Hispanic Seventh Day Adventist School	2231 Burdette Ave	47714
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
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
Frank Jr BBQ	3012 Covert Ave	47714
Franklin Street Pizza Factory	2033 W Franklin St	47712
Franklin Street Tavern	2126 W Franklin St	47712
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. Ritz's	4810 University Dr	47712
G.D. Ritz's	4320 First Ave	47710
G.D. Ritz's	601 N Green River Rd	47715
Gardo's Italian Oven	13220 Darmstadt Rd	47725
Gary's Parkway Pizza	3911 Broadway Ave	47712
Gasoline Alley	3526 Interstate Dr	47715
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	47711
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 #16	5440 Pearl Dr	47712

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
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	1501 N Boeke Rd	47711
Hardees	4249 Highway 41	47711
Hardees	2315 W Illinois St	47712
Hardees	1021 S Weinbach Ave	47714
Hardees	4400 Covert Ave	47714
Harmes Una Pizza	967 S Kentucky Ave	47714
Harper Elementary School	21 S Alvord Blvd	47714
Harrison High School	211 Fielding Rd	47715
Harry & Lola's	915 Main St	47708
Hartke Pool	201 N Boeke Rd	47711
Harvest Time	518 Linwood Ave	47714
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	220 Kirkwood Dr	47715
Holiday Inn Express	5737 Pearl Dr	47712
Holiday Inn Express	324 Rusher Creek Rd	47725
Holiday Inn Express	301 Circle Front 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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
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
Hucks # 337	3951 N Green River Rd	47715
Huck's #383	3131 Kansas Rd	47725
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
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	130 N St Joe Ave	47712
Jimmy Johns	330 Main St	47708
Jimmy Johns	2320 N Green River Rd	47715
Jimmy's Una Pizza	4711 Pollack Ave	47714
Joshua Academy	1230 E Illinois St	47711
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
KC's Marina Point	830 LST Drive	47713
Kennel Club of Evansville	5201 Kratzville Rd	47710
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
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	47711
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
Lic's Ice Cream	11 NW Fifth St	47708
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
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	3534 N First Ave	47710
Los Bravos	4630 W Lloyd Expressway	47712
Los Bravos	6226 Waterford Blvd	47715
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
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	47714
Marco's Pizza	3100 N 1st Ave	47710
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
Mary and Martha's Catering	1334 N Green River Rd	47715
Mater Dei High School	1300 Harmony Way	47720
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
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	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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
Mojo's Boneyard	4920 Bellemeade Ave	47715
Montessori Academy	4661 Adams Ave	47714
Moto Mart	3221 Mariner Dr	47711
Moto Mart	1900 N Green River Rd	47715
Moto Mart	500 N Burkhardt Rd	47715
Motomart	6328 E Lloyd Expwy	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
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
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	4202 B N First Ave	47710
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
Patchwork Central	100 Washington Ave	47713
Pendley Daycare	2916 Oak Hill Road	47711
Penn Station	5310 Pearl Dr	47712
Penn Station	137 N Burkhardt Rd	47715
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 First Avenue	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	1033 S Weinbach Ave	47712
Pizza King	220 N St Joseph Ave	47714
Pizza Oven	5806 Stringtown Rd	47711
Pizza Pub	606 N Main St	47710
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
Qdoba	922 N Burkhardt Rd	47715
Quality Inn	5006 Morgan Ave	47715
Quality Inn Mahadev	19622 Elpers Rd	47639
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
Red Lobster # 0058	4605 Bellemeade Ave	47714
Red Robin Gourmet Burgers	6636 E Lloyd Expressway	47715
Red Roof Inn	19600 Elpers Rd	47725
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
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 Food Co-op	116 Washington Ave	47713
River Kitty Cat Café	226 Main St	47708
River Pointe Health Campus	3001 Galaxy Dr	47715
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
Sacred Heart School	2735 W Franklin St	47712
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 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
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
Show Me's East	1700 Morgan Center Dr	47715
Showplace Cinemas	950 S Hebron Ave	47715
Showplace Cinemas	1801 Morgan Center Dr	47715
Shyler's Barbbque	5428 E Indiana St	47715
Signature HealthCARE	5233 Rosebud Ln	47630

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
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
Smokin' Pig	773 Lincoln Ave	47713
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 Road	47712
Sportsman Billards & Pub	2315 W Franklin St	47712
Spudz N Stuff	601 E Boonville New Harmony Road	47712
Spudz N Stuff	3904 N 1st Ave	47725
St Agnes School	1600 Glendale Ave	47710
St Anthony's Soup Kitchen	713 Second Ave	47712
St Benedicts School	530 S Harlan Ave	47710
St Boniface School	2031 W Michigan St	47714
St Johns Soup Kitchen	617 Bellemeade Ave	47712
St Mary's Medical Center	3700 Washington Ave	47713
St Pauls Episcopal	301 SE First St	47714
St. Vincent Center for Children & Families	730 W Delaware St	47708
Stans Original Una Pizza	1101 Harmony Way	47710
Starbucks Coffee 1892	4700 W Lloyd Expressway	47712
Starbucks Coffee Co #8693	4650 First Ave	47720
Starbucks Coffee Company #9759	504 N Green River Rd	47710
Steak 'N Shake	7929 E Division St	47715
Stephen Libs Finer Chocolates	6225 Vogel Rd.	47715
Stepping Stone - 30022004	4001 John St	47715
Steves Una Pizza	1005 S St James Blvd	47714
Stockwell Inn	4001 E Eichel Ave	47714
Stockwell School	2501 N Stockwell Rd	47715
Stockyard Inn	1217 Baker St	47714
Stolls Country Inn South	19820 Castle Creek Dr	47710
Stop & Go - Food and Gas	520 S Barker Ave	47725
Stringtown School	4720 Stringtown Rd	47712
Subway	4750 W Lloyd Expressway	47711
Subway	200 S Green River Rd Ste C	47712

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
Subway	4313 E Morgan Ave	47715
Subway	520 Mary St	47715
Subway	1343 Tutor Ln	47710
Subway	12500 N Highway 41	47715
Subway	501 N Main Suite A	47725
Subway	1677 Lincoln Ave	47711
Subway	2744 N Green River Rd	47714
Subway - Berry Plastic Site	101 Oakley St	47715
Subway #12340	1401 Covert Ave	47710
Subway #15691	631 Walnut St	47714
Subway #23569	1300 E Morgan Ave	47713
Subway #28905	301 Main St	47711
Subway #30714	3200 N St Joe Unit A	47708
Subway #56335	6401 Hwy 41 N	47720
Subway #870	4218 N 1st Ave	47715
Subway Sandwich Shop	510 N St Joseph Ave	47710
Subway Sandwich Shop	611 E Diamond Ave	47712
Sunshine Juice Company	6225 E Virginia St	47711
Super 8	19601 Elpers Rd	47715
Super 8 Motel	4600 E Morgan Ave	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	47715
Szechwan Chinese Restaurant	669 N Green River Rd	47711
T Minimart	2400 Washington Ave	47715
Taco Bell	2400 W Maryland St	47714
Taco Bell #28864	4501 First Ave	47712
Taco Bell #28898	1580 Vann Ave	47710
Taco Bell #28907	1500 N Willow Rd	47714
Taco Bell #28908	1001 N Green River Rd	47711
Taco Johns	604 N St Joseph Ave	47715
Taco Johns	2509 Washington Ave	47712
Taco Tierra	420 S Green River Rd	47714
Taj Mahal	900 E Tutor Ln	47715
Talk of the Town Pizza Bar	1200 Edgar	47715
Target T-108	4000 First Ave	47710
Target T-1481	6625 E Lloyd Expressway	47710
Taste Of China	4579 University Dr	47715
Taste of NYC	800 N Green River Rd	47712
Tekoppel School	111 Tekoppel Ave	47715
Texas Roadhouse	7900 Eagle Crest	47712

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
TGI Fridays	800 N Green River Rd Ste 101	47715
Thai Papaya Cuisine	1434 Tutor Ln	47715
The Centre	715 Locust St	47715
The Daily Grind	1 SE Ninth St	47708
The Dapper Pig	1112 Parrett St	47708
The Deli/ONB	1 Main St	47713
The Diner	333 Jefferson Ave	47708
The Ford Center	1 SE Martin Luther King Blvd	47713
The Fresh Market	6401 E Lloyd Expressway	47708
The Garden School	4910 E Riverside Dr	47715
The Granola Jar	1033 Mt Pleasant Rd Suite J	47715
The Great American Eagle	3800 E Morgan Ave	47725
The Inflatable Fun Factory	6600 Frito Lay Dr	47715
The Pacetre	2734 Mt Vernon Ave	47715
The Peephole Bar & Grill	201 Main St	47712
The Perfect Plan To Go	3101 N Green River Rd Ste 310	47708
The Sand Trap	1900 E Diamond Ave	47713
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
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
Tri State GN Sikh Temple	2816 Cullen Ave	47715
Trinity United Methodist	216 SE 3rd St	47713
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
Tucker's Comfort Food	815 S Green River Rd	47714
Tune Squad Pies	1010 S Kentucky Ave	47714
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
Two Brothers Chinese	3806 First Ave	47710
Una-Tu-Pizza	709 N Governor St	47711
United Caring Shelter	324 NW Sixth St	47708
United Methodist Church Hub Café	2025 W Franklin St	47712
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 Bentees Wes Ct	47715
Walton's Comfort Food	956 Parrett St	47713
Washington School	1801 Washington Ave	47714
Wayback Burgers	115 Cross Pointe Blvd Ste 4	47711
Wayback Burgers	624 E Diamond Ave	47715
We're Rolling Pretzel Co	335 S Red Bank Rd	47712
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
Wesselmans Sonntag	700 Sonntag Ave	47712
Wesselmans Weinbach	1 N Weinbach Ave	47711
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
Willow Park	5050 Lincoln Ave	47715
Windmill Dairy Queen	6801 Highway 41	47725

TABLE 7-1

Updated Food Establishment Listing

July 1, 2017 through December 31, 2017 Reporting Period

Establishment	Address	Zip Code
Wings Etc.	628 E Diamond Ave	47711
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	221 N Fulton Ave	47711
Xpress Pantry	1015 N Main St	47714
Xpress Pantry	326 S Kentucky 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, 2017 through December 31, 2017 Reporting Period

Sewershed	SubBasin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (LF)
SSS	E-6-4	4506 TAYLOR AVE	7/10/17	2682	2683	6668	8	VCP	341
SSS	E-3-6	4109 FRISSE AVE	7/13/17	CO	80673	14391	8	UNK	303
SSS	W-1-1	921 S CRAIG AVE	7/13/17	11150	11292	23559	8	UNK	308
SSS	E-6-11	7030 E RED WING DR	7/17/17	10505	10496	7612	8	UNK	249
SSS	E-6-6	1220 MONROE AVE	7/18/17	3087	3076	22818	8	VCP	331
SSS	E-6-11	1410 ORIOLE DR	7/19/17	10511	10510	23341	8	VCP	367
SSS	E-6-11	7224 MONROE AVE	7/19/17	10512	10511	23352	8	UNK	302
SSS	E-6-1	1908 HAWTHORNE AVE	7/20/17	99634	9879	12687	8	VCP	42
SSS	E-6-1	1908 HAWTHORNE AVE	7/21/17	2689	9879	12686	8	VCP	230
CSS	W-2-2	2719 SHORT MARION AVE	7/25/17	AEP	283257	14135	8	VCP	123
CSS	W-5-3	509 N BARKER	7/27/17	8187	283568	16253	10	VCP	320
CSS	W-5-1	3121 CORBIERRE AVE	7/28/17	8827	8828	21841	8	VCP	346
SSS	W-13-3	4101 W MARYLAND ST	7/31/17	128006	128007	23787	8	VCP	673
SSS	W-8-7	5908 SHELBOURNE RD	8/1/17	10642	11307	10067	8	VCP	326
CSS	E-4-6	801 E CHANDLER AVE	8/19/17	15765	15761	5659	10	VCP	627
SSS	W-8-6	4660 W MILL RD	8/23/17	283620	283085	29675	8	VCP	50
SSS	W-8-1	3417 KENSINGTON AVE	8/24/17	101175	8962	15389	12	VCP	280
SSS	W-10-5	5610 SPRING PARK DR	8/25/17	9780	9779	13044	8	UNK	300
SSS	W-10-5	5417 STRINGTOWN RD	8/25/17	9779	283866	13149	8	RPM	192
SSS	E-9-1	103 POLSTER DR	8/31/17	6315	283814	6739	8	VCP	282
SSS	W-13-3	1001 WESTERN AVE	9/5/17	11427	11426	13736	8	VCP	130
SSS	E-6-8	6219 NEWBURGH RD	9/6/17	6540	6539	24279	8	UNK	138
CSS	E-4-4	1660 SOUTHEAST BLVD	9/6/17	AEP	15628	6560	10	VCP	70
CSS	W-7-6	754 N US HWY 41	9/7/17	280968	11701	26604	12	CT	192
SSS	W-9-4	1722 CHARLOTTE AVE	9/8/17	8282	8281	12379	8	VCP	138
SSS	W-1-1	403 S BOSSE AVE	9/11/17	11244	11242	13404	8	UNK	258
CSS	E-7-6	N US HWY 41	9/12/17	12205	12206	19947	12	VCP	318
SSS	W-13-2	815 N BOEHNE CAMP RD	9/12/17	11476	11477	22284	8	VCP	696
SSS	E-6-11	1400 LARK DR	9/14/17	100030	10520	25992	8	VCP	285
SSS	E-6-5	704 S CULLEN AVE	9/15/17	AEP	6454	7285	8	VCP	68
SSS	W-9-4	2522 BEMENT AVE	9/16/17	8291	8283	12381	8	VCP	101
SSS	W-13-3	4000 W MARYLAND ST	9/20/17	11601	281182	23776	8	VCP	176
CSS	W-7-6	1111 N KERTH AVE	9/20/17	11761	283157	5219	8	VCP	153
CSS	E-1-5	515 E MULBERRY ST	9/20/17	CO	15899	5717	10	VCP	60
SSS	W-5-1	3019 HARTIG AVE	9/25/17	14590	14594	22447	8	VCP	258

TABLE 7-2

Sewer Segments Treated for Root Intrusion

July 1, 2017 through December 31, 2017 Reporting Period

Sewershed	SubBasin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (LF)
SSS	E-6-7	1838 COLONNADE CT	9/27/17	AEP	77918	12811	8	PVC	80
CSS	E-5-3	2505 ADAMS AVE	9/28/17	AEP	283897	14557	8	VCP	397
SSS	W-8-8	5704 WHITETHORNE DR	9/29/17	CO	9323	10056	8	VCP	499
CSS	W-5-1	2900 SCHOENFIELD AVE	10/5/17	8237	8238	21533	8	VCP	268
SSS	E-1-3	410 SE SECOND ST	10/5/17	AEP	12552	5953	8	VCP	179
CSS	W-1-4	3250 SCHRADER DR	10/23/17	283618	65501	6445	8	VCP	128
SSS	W-5-1	2900 MUENSTERMAN AVE	10/24/17	283959	281131	26762	8	VCP	151
SSS	E-6-1	2409 GRAHAM AVE	10/26/17	3987	3986	14739	8	VCP	308
SSS	W-5-1	3129 WATERMAN DR	10/26/17	8925	8924	24501	8	VCP	183
SSS	W-6-4	711 STANLEY AVE	10/27/17	AEP	12283	19816	10	VCP	112
SSS	E-6-1	2017 S BOEKE RD	10/30/17	AEP	67495	6529	8	VCP	35
CSS	E-5-3	2537 ADAMS AVE	10/31/17	283974	283108	14570	8	VCP	400
SSS	E-6-11	7108 TAYLOR AVE	11/2/17	284058	CO	7621	8	VCP	218
SSS	E-6-11	7001 TAYLOR AVE	11/3/17	CO	CO	7620	8	VCP	84
CSS	E-4-2	763 WASHINGTON AVE	11/7/17	AEP	1850	11009	10	VCP	147
SSS	E-3-4	2625 S RUSTON AVE	11/8/17	AEP	2584	23062	8	VCP	79
SSS	E-6-2	3519 COVERT AVE	12/4/17	9984	9977	6105	10	VCP	582
SSS	E-4-4	1144 E BLACKFORD AVE	12/5/17	284030	280958	30631	12	VCP	87
Total Segment Length Treated (ft)									12,969

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-8-2	3727 WILLOW BEND DR	4/6/12	AEP	14406	26788	8	RPM	100
SSS	W-8-1	2501 WATERBRIDGE WAY	4/17/12	9146	9020	6501	8	RPM	136
SSS	W-8-1	2501 WATERBRIDGE WAY	4/17/12	9020	9021	6502	10	VCP	279
SSS	W-8-1	2451 WATERBRIDGE WAY	4/17/12	9137	9139	6505	10	RPM	176
SSS	W-8-1	2451 WATERBRIDGE WAY	4/17/12	9139	9140	6506	10	RPM	83
SSS	W-8-1	2501 OLD BRIDGE CT	4/17/12	9140	9141	6507	8	RPM	141
SSS	W-8-1	2501 OLD BRIDGE CT	4/17/12	9141	9142	6508	8	RPM	199
SSS	W-8-1	2501 WATERBRIDGE WAY	4/17/12	9142	9146	6509	8	RPM	91
SSS	W-8-2	1005 FULTON PKWY	4/30/12	9072	9071	14755	8	VCP	252
SSS	W-12-1	4400 PERRY AVE	6/1/12	15449	15450	15663	12	PVC	288
SSS	W-12-1	4400 PERRY AVE	6/1/12	15448	15449	15664	12	PVC	365
SSS	W-12-1	4400 PERRY AVE	6/1/12	15450	1483	15665	12	PVC	585
CSS	E-1-4	614 WALNUT ST	10/23/15	4860	15913	17546	15	VCP	37
CSS	E-1-4	200 MLK JR BLVD	10/23/15	15913	ATC	17548	15	VCP	328
SSS	W-13-1	5024 HOGUE RD	11/30/15	AEP	11502	13661	8	VCP	6
SSS	W-16-5	4726 WINDHAM DR	2/25/16	16049	16050	10402	8	PVC	78
SSS	W-16-5	4726 WINDHAM DR	2/25/16	16050	16052	10404	8	RPM	41
SSS	W-16-9	11940 BRIDLEWOOD DR	3/21/16	15261	13245	10131	8	PVC	176
SSS	W-16-9	12040 BRIDLEWOOD DR	3/21/16	13245	13244	10130	8	PVC	402
SSS	E-6-4	829 WILTSHIRE DR	5/4/16	6499	6500	11655	8	VCP	82
SSS	E-6-4	914 S ROYAL AVE	5/4/16	6500	6497	22537	8	VCP	310
SSS	E-6-11	7001 MONROE AVE	5/13/16	283768	10496	30323	8	VCP	6
SSS	E-6-1	3101 GRAHAM AVE	5/20/16	9919	2692	6124	8	VCP	403
SSS	E-6-1	3026 GRAHAM AVE	5/23/16	AEP	9882	6126	8	VCP	72
SSS	E-6-1	3023 GRAHAM AVE	6/1/16	2692	9917	7921	8	VCP	13
CSS	E-2-2	15 NW THIRD ST	9/9/16	7944	ATC	6069	10	VCP	25
SSS	E-1-6	422 S GARVIN ST	9/21/16	283853	15834	19013	15	VCP	101
CSS	W-4-2	600 E VIRGINIA ST	10/20/16	283388	ATC	29936	12	VCP	19
SSS	W-10-17	1149 PINE GATE RD	10/24/16	CO	13114	9468	8	RPM	25
SSS	E-10-2	3700 E MORGAN AVE	11/12/16	AEP	5671	24092	10	UNK	7
SSS	W-12-5	STELLER DR	11/17/16	280697	AWW	26181	8	PVC	8
SSS	E-3-5	2501 POLLACK AVE	11/22/16	AEP	3942	28514	8	PVC	10
CSS	E-4-7	854 BAYARD PARK DR	11/22/16	CB	15767	18082	15	VCP	190
SSS	W-8-8	7541 BREEZY CREEK DR	11/29/16	283223	280578	26044	8	PVC	148
SSS	W-8-1	3319 N FIRST AVE	12/1/16	281871	9032	22430	15	RCP	137
CSS	E-1-4	20 E CHANDLER	12/7/16	4224	284035	11086	8	VCP	93

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	E-1-4	20 E CHANDLER	12/7/16	284035	ATC	30637	8	VCP	20
CSS	W-4-2	1 HERNDON DR	12/10/16	281964	280999	26655	8	VCP	79
CSS	W-4-2	1 HERNDON DR	12/10/16	CO	281964	30137	8	VCP	81
CSS	W-6-4	1000 E OLMSTEAD AVE	1/19/17	12380	12378	14588	10	VCP	433
CSS	W-2-2	2719 SHORT MARION AVE	2/2/17	CO	283257	14135	8	VCP	123
CSS	W-2-2	2730 SHORT MARION AVE	2/2/17	283873	8661	14136	8	VCP	90
CSS	W-2-4	2230 N TWELFTH AVE	2/6/17	283793	281077	30356	10	VCP	44
CSS	W-6-6	207 TULIP AVE	2/11/17	CO	15724	5851	8	RPM	56
CSS	W-2-6	W INDIANA ST & N WABASH AVE	2/15/17	283794	8500	13897	8	VCP	255
CSS	W-2-6	1930 N WABASH AVE	2/15/17	8439	283608	30138	15	VCP	81
CSS	W-2-3	W LLOYD EXPY	2/17/17	283799	8695	5533	10	VCP	351
SSS	W-6-6	2732 SHERMAN ST	2/18/17	CO	12291	14681	8	PVC	153
CSS	W-5-2	714 N TENTH AVE	3/2/17	8042	283796	18012	12	VCP	428
CSS	W-6-3	816 MAXWELL AVE	3/9/17	AEP	12014	22261	10	UNK	2
CSS	W-4-3	910 N LAFAYETTE AVE	3/18/17	283379	ATC	29927	10	PVC	16
CSS	W-4-3	910 N LAFAYETTE AVE	3/18/17	4936	283379	5795	10	VCP	293
CSS	W-4-3	920 N ELLIOTT ST	4/1/17	283382	ATC	29930	12	VCP	23
SSS	W-5-1	1120 N BARKER AVE	4/11/17	8238	283468	30020	8	VCP	296
CSS	W-3-3	511 OAKLEY ST	4/17/17	1212	1214	12894	10	VCP	336
CSS	W-3-3	410 W MICHIGAN ST	5/8/17	283159	5035	29749	8	VCP	178
CSS	W-3-3	611 OAKLEY ST	5/12/17	1214	1216	17861	15	VCP	304
CSS	W-3-6	1200 W DELAWARE ST	5/17/17	AEP	1061	12403	10	VCP	22
SSS	W-3-3	1517 BROADWAY AVE	6/2/17	AEP	170361	26774	12	PVC	77
CSS	W-3-1	920 W MISSOURI	6/7/17	283868	1037	6226	10	VCP	163
CSS	W-4-4	1000 READ ST	6/21/17	1158	1118	15937	15	VCP	340
CSS	W-3-3	813 W TENNESSEE ST	6/27/17	1168	283797	17813	15	VCP	175
CSS	W-3-3	813 W TENNESSEE ST	6/27/17	283797	1166	30359	15	VCP	153
CSS	W-4-5	813 W TENNESSEE ST	6/27/17	1160	283797	16239	12	VCP	346
SSS	E-6-8	1401 GREENMEADOW RD	7/1/17	ATC	3208	11187	8	VCP	26
CSS	W-3-3	611 OAKLEY	7/1/17	1217	1216	12895	10	VCP	188
CSS	W-3-2	421 HARRIET ST	7/1/17	59810	1197	6149	15	LINED CMP	49
CSS	W-4-2	763 E COLUMBIA ST	7/3/17	5033	15826	17100	12	VCP	235
SSS	E-5-4	3204 WASHINGTON AVE	7/5/17	AEP	6598	28837	8	PVC	30
CSS	W-4-9	1301 N FULTON AVE	7/5/17	1106	283514	17795	12	VCP	347
SSS	W-4-7	1429 SEVENTH AVE	7/5/17	4588	4587	6302	10	VCP	192
CSS	W-4-7	1412 KELLER ST	7/6/17	4586	4587	6297	10	VCP	123

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	W-3-3	1811 N EVANS	7/7/17	CB	CB	29899	10	RCP	31
CSS	W-3-3	1811 N EVANS AVE	7/7/17	CB	15846	29900	10	PVC	9
SSS	W-3-3	719 REIS AVE	7/7/17	283357	CB	29898	10	RCP	98
CSS	W-4-7	1411 UHLHORN ST	7/7/17	4587	4611	17968	12	VCP	336
CSS	W-4-7	1813 N SEVENTH AVE	7/7/17	4610	4611	12884	10	VCP	193
CSS	W-4-2	657 E OREGON ST	7/7/17	11771	12518	17073	15	VCP	470
CSS	E-3-9	1677 S ELLIOTT ST	7/8/17	2461	ATC	18668	15	VCP	16
CSS	W-4-4	1212 BAKER AVE	7/8/17	283632	ATC	29845	10	VCP	28
CSS	W-4-4	1212 BAKER AVE	7/8/17	1430	283302	6184	8	RPM	64
CSS	W-4-4	1021 READ ST	7/10/17	283723	ATC	30272	8	VCP	22
CSS	W-4-7	1810 N SIXTH AVE	7/10/17	4605	4607	17961	12	VCP	305
CSS	W-4-4	1021 READ ST	7/10/17	283603	283723	30131	8	VCP	140
CSS	W-6-2	1120 DIAMOND AVE	7/10/17	283430	283431	29977	15	RCP	505
CSS	W-4-4	1214 1216 N MAIN ST	7/11/17	AEP	4926	17693	12	VCP	261
SSS	E-10-1	2400 E DIAMOND AVE	7/11/17	283549	AWW	30077	8	DIP	35
SSS	E-11-8	6316 VIETH LN	7/11/17	281189	283592	30116	10	RPM	8
CSS	W-4-4	1312 N MAIN ST	7/11/17	4926	283375	17692	12	VCP	257
CSS	W-3-3	615 W FRANKLIN ST	7/11/17	AEP	1448	6249	8	VCP	170
CSS	W-4-3	221 E MISSOURI ST	7/11/17	AEP	4987	5802	10	VCP	134
CSS	W-4-3	203 E MISSOURI ST	7/11/17	4987	4940	17354	12	VCP	243
CSS	W-4-4	102 W OREGON ST	7/11/17	AEP	1322	6182	8	VCP	102
CSS	W-4-4	200 W OREGON ST	7/11/17	1124	1123	17657	12	VCP	167
CSS	W-4-4	100 N MORGAN AVE	7/11/17	4897	283641	17688	15	VCP	388
CSS	W-4-3	408 E MARYLAND ST	7/12/17	4984	4979	17351	12	VCP	297
CSS	W-4-4	1101 BAKER AVE	7/12/17	283573	283569	19578	12	VCP	131
CSS	W-4-4	1101 BAKER AVE	7/12/17	283569	ATC	30092	12	VCP	33
SSS	W-8-4	4615 KRATZVILLE RD	7/13/17	CO	9013	11507	8	PVC	95
SSS	W-8-4	1400 W MILL RD	7/13/17	9013	9014	11511	8	PVC	207
SSS	E-9-15	3404 BRAEWICK DR	7/13/17	170584	170585	24828	8	PVC	296
SSS	E-9-15	3310 BRAEWICK DR	7/13/17	170585	170589	24829	8	PVC	283
SSS	E-9-15	3333 FERRON DR	7/13/17	170603	170602	24839	8	PVC	102
SSS	E-9-15	8310 KENBRIDGE DR	7/13/17	170604	170607	24840	8	PVC	34
SSS	E-9-15	8328 KENBRIDGE DR	7/13/17	170608	170607	24841	8	PVC	110
SSS	E-9-15	8310 KENBRIDGE DR	7/13/17	170607	170606	24842	8	PVC	278
SSS	E-9-15	8315 FERRON DR	7/13/17	170606	170605	24843	8	PVC	72
SSS	E-9-15	101 NW RIVERSIDE DR	7/13/17	170605	170601	24844	8	PVC	128

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-9-11	1129 PARKERIDGE CT	7/13/17	281281	281282	26919	8	RPM	114
SSS	E-9-11	100 PARKERIDGE CT	7/13/17	281283	281284	26921	8	RPM	25
SSS	E-9-11	7617 BELLEMEADE AVE	7/13/17	281853	7081	28401	8	RPM	23
SSS	E-9-15	8300 KENBRIDGE DR	7/13/17	282964	170604	29556	8	PVC	124
SSS	E-9-15	3333 FERRON DR	7/13/17	282965	170603	29557	8	PVC	312
CSS	W-4-4	323 W FLORIDA ST	7/13/17	1100	283721	30270	12	VCP	9
SSS	W-3-3	615 W FRANKLIN ST	7/13/17	1448	ATC	30176	8	VCP	38
SSS	W-4-4	322 W TENNESSE ST	7/13/17	1138	1139	19575	15	VCP	154
CSS	W-4-4	322 W TENNESSE ST	7/13/17	1140	1139	6175	8	VCP	163
CSS	W-4-4	1511 HARRIETT ST	7/13/17	1183	1140	6174	10	VCP	139
CSS	W-4-4	329 W TENNESSEE ST	7/13/17	AEP	1140	6167	8	VCP	139
CSS	W-4-4	323 W FLORIDA ST	7/13/17	283721	1098	16232	12	VCP	208
CSS	E-2-2	517 NW RIVERSIDE DR	7/14/17	CB	283127	11258	8	UNK	26
CSS	E-2-2	14 W INDIANA ST	7/14/17	1081	283225	5743	10	VCP	314
SSS	E-6-6	5605 WINTHROP CT	7/14/17	6584	6585	7298	8	RPM	149
SSS	E-6-6	5613 WINTHROP CT	7/14/17	6582	6584	7299	8	RPM	220
CSS	W-4-3	919 N ELLIOTT ST	7/14/17	281707	4983	17032	12	VCP	634
CSS	W-4-3	1021 N ELLIOTT ST	7/14/17	4961	4966	17077	12	VCP	344
CSS	E-4-1	516 COVERT AVE	7/14/17	AEP	283660	30199	10	VCP	197
CSS	W-4-4	320 W LOUISIANA	7/15/17	283672	1157	17656	12	VCP	42
CSS	W-4-4	312 W. LOUISIANA ST.	7/15/17	1154	1155	19595	12	VCP	127
CSS	W-4-4	12 W MISSOURI	7/15/17	4928	283195	29771	12	VCP	141
CSS	W-4-4	1116 READ ST.	7/15/17	1155	ATC	19596	12	VCP	184
CSS	W-4-3	816 N GOVERNOR ST	7/17/17	4977	4976	5798	10	VCP	122
CSS	W-4-3	813 N LAFAYETTE AVE	7/17/17	4975	4976	5805	10	VCP	132
CSS	W-4-3	901 N LAFAYETTE AVE	7/17/17	4976	4974	17350	12	VCP	163
CSS	W-3-3	300 W MARYLAND ST	7/17/17	1326	1324	17704	12	VCP	322
CSS	W-4-3	1108 N ELLIOTT ST	7/17/17	4957	4964	17353	12	VCP	540
CSS	W-4-4	1212 BAKER AVE	7/17/17	283302	283632	30164	8	RPM	70
SSS	E-6-11	7512 TAYLOR AVE	7/18/17	10594	10593	23348	8	VCP	124
CSS	W-4-3	120 E MISSOURI ST	7/18/17	4945	4946	5803	10	VCP	301
CSS	W-4-3	1109 N HEIDELBACH AVE	7/18/17	283766	4946	12876	10	VCP	160
CSS	W-4-3	1109 N HEIDELBACH AVE	7/18/17	AEP	283766	30319	10	VCP	385
CSS	W-4-3	27 E MARYLAND ST	7/18/17	AEP	283290	5791	8	VCP	163
CSS	W-4-3	27 E MARYLAND ST	7/18/17	283290	ATC	30061	8	VCP	22
CSS	W-4-4	13 W OREGON ST	7/18/17	AEP	283195	30180	8	VCP	148

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-8-6	5221 SHERBROOKE RD	7/18/17	283536	9223	30067	8	PVC	10
CSS	W-4-3	101 E MARYLAND ST	7/18/17	AEP	283291	5792	10	VCP	231
CSS	W-4-3	101 E MARYLAND ST	7/18/17	283291	ATC	30060	10	VCP	20
CSS	E-1-5	515 E MULBERRY ST	7/19/17	AEP	15899	5717	10	VCP	60
CSS	W-4-3	321 E VIRGINIA ST	7/19/17	12483	12482	5754	10	VCP	336
CSS	W-6-3	2015 STRINGTOWN RD	7/19/17	AEP	15849	5437	8	VCP	53
CSS	W-4-3	11 E MARYLAND ST	7/19/17	CB	4934	17359	12	VCP	319
SSS	W-4-3	320 E VIRGINIA ST	7/19/17	AEP	283485	19053	12	VCP	146
CSS	W-4-3	1000 N GARVIN ST	7/19/17	283367	ATC	29915	12	PVC	20
CSS	W-4-3	908 N ELSAS AVE	7/19/17	280998	283196	26653	15	VCP	120
CSS	W-4-3	100 E MARYLAND ST	7/19/17	4935	283196	5793	10	VCP	299
CSS	W-4-3	13 E OREGON ST	7/19/17	4934	ATC	17344	12	VCP	338
CSS	W-4-4	320 W LOUISIANA ST	7/20/17	283706	ATC	30212	12	VCP	163
CSS	W-4-2	13 E MISSOURI ST	7/20/17	4943	ATC	17356	15	VCP	170
CSS	W-4-3	13 E OREGON ST	7/20/17	ATC	ATC	17345	15	VCP	165
CSS	W-3-3	14 WEDEKING AVE	7/20/17	281000	15945	26656	8	VCP	318
CSS	W-4-9	1217 N FULTON AVE	7/20/17	283514	ATC	30045	12	VCP	53
CSS	W-4-9	1102 W TENNESSEE ST	7/20/17	284025	283505	12761	8	VCP	204
CSS	W-4-3	100 E IOWA ST	7/20/17	12500	12497	17301	12	VCP	288
CSS	W-4-3	711 N MAIN ST	7/21/17	AEP	4930	17312	10	VCP	122
CSS	W-4-5	1505 N 3RD AVE	7/21/17	1112	1114	30121	10	VCP	127
CSS	W-3-3	311 OAKLEY ST	7/21/17	283299	ATC	29844	10	VCP	23
CSS	W-4-3	104 E DELAWARE ST	7/21/17	12497	12501	19050	15	VCP	236
CSS	W-4-3	607 N MAIN ST	7/21/17	7733	12499	19350	12	VCP	8
CSS	W-4-3	301 E COLUMBIA ST	7/21/17	283370	ATC	29918	12	VCP	40
CSS	W-3-3	321 E IOWA ST	7/21/17	283485	12485	19055	12	VCP	20
CSS	W-4-3	301 E IOWA ST	7/21/17	283200	ATC	29774	12	PVC	14
SSS	W-4-3	1000 N GARVIN ST	7/21/17	283368	ATC	29916	12	PVC	25
CSS	W-4-7	N FULTON AVE & DRESDEN ST	7/22/17	283765	4714	30318	10	VCP	116
CSS	W-4-7	1918 N FOURTH AVE	7/22/17	4539	283895	5296	10	VCP	113
CSS	W-4-4	325 W MISSOURI ST	7/22/17	AEP	283706	6155	10	VCP	121
CSS	W-4-7	N FULTON AVE & DRESDEN ST	7/22/17	4716	283765	6214	10	VCP	135
CSS	W-4-7	1803 1819 N FOURTH AVE	7/22/17	5063	4537	19586	12	VCP	283
CSS	W-4-5	409 MILLNER INDUSTRIAL DR	7/22/17	14425	14424	13892	8	RPM	99
CSS	W-4-3	1214 N HEIDELBACH AVE	7/22/17	AEP	4951	5800	10	VCP	298
CSS	W-4-5	317 MILLNER INDUSTRIAL DRIVE	7/22/17	CO	14427	11295	8	RPM	43

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	W-4-5	1712 MILLNER INDUSTRIAL DRIVE	7/22/17	14426	14425	5291	8	RPM	95
CSS	W-4-7	1918 N FOURTH AVE	7/22/17	4539	4541	15951	10	VCP	170
CSS	W-2-2	2853 EDGEWOOD DR	7/24/17	AEP	283456	19353	10	VCP	98
CSS	W-2-2	2769 EDGEWOOD DR	7/24/17	CO	283973	19354	10	VCP	416
CSS	W-2-6	1900 N NINTH AVE	7/24/17	283500	ATC	30034	8	VCP	47
SSS	W-16-3	8405 MILLERSBURG RD	7/24/17	AEP	283714	30252	12	PVC	1
CSS	W-2-2	2769 EDGEWOOD DR	7/24/17	283973	AEP	30560	10	VCP	208
CSS	W-4-5	1418 READ ST	7/24/17	1316	1461	22266	15	VCP	285
CSS	W-4-3	25 E DELAWARE ST	7/24/17	283554	ATC	30081	12	VCP	9
CSS	W-4-3	13 E MISSOURI ST	7/24/17	AEP	282962	5775	8	VCP	58
CSS	W-2-2	2853 EDGEWOOD DR	7/25/17	AEP	283508	14119	8	PVC	53
CSS	E-2-2	114 116 W ILLINOIS ST	7/25/17	5034	283194	5761	10	VCP	642
CSS	W-4-3	403 E FLORIDA ST	7/25/17	AEP	4957	5797	8	PVC	18
CSS	W-4-5	300 MILLNER INDUSTRIAL DR	7/25/17	14424	14423	5292	8	RPM	128
CSS	W-4-5	300 MILLNER INDUSTRIAL DR	7/25/17	14427	14426	11294	8	RPM	409
CSS	E-2-2	123 LOCUST ST	7/26/17	284048	7983	17524	15	VCP	256
CSS	E-2-2	123 LOCUST ST	7/26/17	AEP	284048	30647	15	VCP	35
CSS	E-2-2	21 SE THIRD ST	7/27/17	4878	ATC	6023	10	RPM	24
CSS	W-4-7	FLORENCE AND FOURTH AVE	7/27/17	4535	4537	17789	12	VCP	299
CSS	E-9-1	101 NW RIVERSIDE DR	7/28/17	42227	7970	16724	12	RPM	409
CSS	E-2-2	421 NW RIVERSIDE DR	7/28/17	7970	8049	16727	12	RPM	309
CSS	E-2-3	203 NW THIRD ST	7/28/17	283519	283520	17560	15	RPM	79
CSS	W-5-1	3302 IGLEHEART AVE	7/28/17	8870	283983	30575	8	VCP	127
CSS	E-2-3	401 NW SECOND ST	7/28/17	4883	ATC	6075	10	RPM	160
CSS	W-5-1	3302 IGLEHEART AVE	7/28/17	283983	ATC	6385	8	VCP	403
CSS	W-4-5	515 W TENNESSEE ST	7/28/17	AEP	1144	19611	12	VCP	35
CSS	W-4-7	1816 N FIFTH AVE	7/29/17	281084	4547	26486	12	VCP	119
CSS	W-4-7	N FIFTH AVE AND UHLHORN ST	7/29/17	4546	281084	17791	12	VCP	169
CSS	W-5-1	2912 W FRANKLIN ST	7/29/17	8889	283718	30263	8	RPM	97
CSS	W-4-7	1112 KELLER ST	7/29/17	4542	4541	19312	15	VCP	178
CSS	W-4-7	1116 CEDAR ST	7/29/17	4669	4555	24475	8	VCP	306
CSS	W-4-6	1620 W MARYLAND ST	7/29/17	7689	7872	16695	15	VCP	17
SSS	W-4-5	1511 READ ST	7/29/17	1313	1312	17650	12	VCP	55
SSS	W-4-5	2128 N FIRST AVE	7/29/17	5025	AWW	28428	8	VCP	25
CSS	W-4-5	45 W. MORGAN AVE	7/29/17	AEP	99025	12397	8	VCP	45
CSS	E-2-2	101 SE SECOND ST	7/31/17	7950	ATC	17523	15	VCP	300

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	E-2-2	101 SE SECOND ST	7/31/17	7950	ATC	30506	15	VCP	24
CSS	W-3-5	301 N SEVENTH AVE	7/31/17	2038	2040	17975	12	VCP	352
SSS	W-4-7	2105 N FULTON AVE	7/31/17	AEP	283722	30271	8	VCP	147
CSS	W-4-7	1116 CEDAR ST	7/31/17	283722	4555	13893	8	VCP	144
CSS	W-4-7	1613 W FLORIDA ST	7/31/17	4496	4495	19456	12	VCP	170
CSS	E-2-3	301 MARKET ST	8/1/17	283643	ATC	30182	8	VCP	16
CSS	E-2-3	301 MARKET ST	8/1/17	AEP	283643	6062	8	VCP	67
CSS	W-4-7	N FULTON AVE AND CEDAR ST	8/1/17	4555	4553	24474	10	VCP	158
CSS	W-4-7	1613 W LOUISIANA ST	8/1/17	4501	4500	17936	12	VCP	247
CSS	W-4-7	1910 N SIXTH AVE	8/1/17	4545	4590	17962	12	VCP	307
CSS	W-4-7	1528 W FLORIDA ST	8/1/17	4527	4501	6293	10	VCP	385
CSS	E-2-2	100 LOCUST ST	8/2/17	7978	7611	19738	15	UNK	34
CSS	E-2-2	100 LOCUST ST	8/2/17	7611	7976	19739	15	VCP	20
CSS	W-6-2	1108 E DIAMOND AVE	8/2/17	15750	283430	16752	15	RCP	180
CSS	E-1-3	420 SE FIRST ST	8/3/17	283800	ATC	19073	12	VCP	29
CSS	W-2-4	130 W ILLINOIS ST	8/3/17	8710	8497	19339	15	VCP	421
CSS	W-2-4	100 W INDINA ST	8/3/17	281091	ATC	26505	12	VCP	74
CSS	E-1-3	420 SE FIRST ST	8/3/17	282390	ATC	30344	12	VCP	5
CSS	E-1-3	420 SE FIRST ST	8/3/17	AEP	283800	30363	12	VCP	166
CSS	W-2-3	2501 N LEMCKE AVE	8/3/17	AEP	8693	5534	8	VCP	12
CSS	W-5-3	2801 W VIRGINIA ST	8/3/17	8185	284034	5545	8	VCP	113
CSS	E-1-4	550 LINCOLN AVE	8/3/17	9408	283351	5702	8	VCP	39
CSS	E-1-4	825 CHESTNUT ST	8/3/17	283169	ATC	6011	10	VCP	158
CSS	W-5-3	2742 W VIRGINIA ST	8/3/17	284034	8184	6394	8	PVC	20
CSS	W-4-7	N FULTON AVE AND CEDAR ST	8/3/17	4554	4553	17794	15	VCP	31
CSS	W-4-7	N FULTON AVE AND GAVITT ST	8/3/17	4553	4552	17793	15	VCP	291
CSS	W-3-2	200 218 HARRIET ST	8/3/17	1292	1293	17587	12	RCP	137
CSS	W-3-6	612 N FOURTH AVE	8/3/17	283265	283650	18000	15	VCP	128
CSS	W-4-7	N FULTON AVE AND KELLER ST	8/3/17	4541	4543	15949	15	VCP	299
CSS	W-4-7	N FULTON AVE AND KELLER ST	8/3/17	4552	4543	17792	15	VCP	327
CSS	E-2-2	1013 MAIN ST	8/4/17	AEP	4262	6010	10	VCP	265
CSS	W-4-6	1333 KELLER ST	8/4/17	4592	4594	29707	15	VCP	138
CSS	W-5-2	801 W COLUMBIA ST	8/5/17	8104	283724	18203	12	VCP	380
CSS	W-4-7	1623 GROVE ST	8/5/17	4497	284024	30629	10	VCP	190
CSS	W-3-3	802 W FRANKLIN ST.	8/5/17	281030	283763	26707	8	VCP	433
CSS	W-4-1	100 READ ST	8/5/17	7661	7658	19756	15	RCP	12

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	W-4-7	1623 GROVE ST	8/5/17	284024	4498	6291	10	VCP	170
CSS	W-4-7	1314 UHLHORN ST	8/5/17	4606	4605	6298	10	VCP	137
CSS	W-5-3	2611 W VIRGINIA ST	8/7/17	8085	8084	5543	10	VCP	236
CSS	W-4-5	605 W EICHEL AVE	8/7/17	1176	1175	17662	12	VCP	312
CSS	W-4-7	1315 UHLHORN ST	8/7/17	4649	4545	6301	10	VCP	139
CSS	W-4-7	1314 KELLER ST	8/7/17	4544	4545	6300	10	VCP	138
CSS	W-4-7	N FIFTH AVE AND DRESDEN ST	8/7/17	4550	4717	17790	15	VCP	296
CSS	W-4-7	1700-1818 N FIFTH ST	8/7/17	4547	4550	15950	12	VCP	325
CSS	W-4-2	922 N GARVIN ST	8/7/17	4981	283368	17023	12	VCP	310
CSS	W-4-1	45 RICHARDT AVE	8/7/17	4909	4910	17410	12	VCP	15
CSS	W-4-2	1401 CEDAR ST	8/7/17	62672	4582	18091	15	VCP	155
CSS	E-1-2	1111 S GOVERNOR ST	8/8/17	282543	1538	29098	12	VCP	391
CSS	W-3-3	210 N FIRST AVE	8/8/17	283763	ATC	30316	8	VCP	66
CSS	W-4-8	2402 N FIFTH AVE	8/8/17	4565	4568	14504	12	VCP	121
CSS	W-4-8	1629 DRESDEN ST	8/8/17	4644	283727	30275	10	VCP	51
CSS	W-4-7	1701 N FULTON AVE	8/8/17	AEP	4716	30276	10	VCP	25
CSS	W-4-5	605 W EICHEL AVE	8/8/17	CO	1176	17651	12	VCP	43
CSS	W-4-6	1620 W LOUISIANA ST	8/8/17	283606	283607	30134	12	VCP	164
CSS	W-4-6	1625 W MISSOURI ST	8/8/17	4522	283606	19457	12	VCP	241
CSS	W-4-6	1620 W LOUISIANA ST	8/8/17	283607	ATC	30135	12	VCP	37
CSS	W-4-7	W LOUISIANA ST AND SPRUCE ST	8/8/17	281083	4497	6290	8	VCP	181
SSS	W-6-3	6919 LAURA CT	8/9/17	CO	14545	10779	8	VCP	4
CSS	W-3-3	1420 E MICHIGAN ST	8/9/17	68943	AWW	6631	8	RPM	115
CSS	W-4-7	1509 W FLORIDA ST	8/9/17	AEP	4526	17941	12	VCP	118
CSS	W-4-7	1601 W FLORIDA ST	8/9/17	4526	4496	19597	12	VCP	286
CSS	W-4-1	219 E EICHEL ST	8/9/17	282549	ATC	29108	8	VCP	11
CSS	W-4-5	1313 N FIRST AVE	8/9/17	1019	ATC	6163	10	VCP	171
CSS	W-6-2	1141 JOAN AVE	8/9/17	12407	12402	16745	15	VCP	346
CSS	W-2-4	2427 W ILLINOIS ST	8/10/17	283811	99237	10025	10	VCP	232
CSS	W-2-4	201 W ILLINOIS ST	8/10/17	281937	283785	28521	12	VCP	62
CSS	W-2-4	2427 W ILLINOIS ST	8/10/17	283810	283811	30369	10	VCP	90
CSS	W-4-8	1706 GROVE ST	8/10/17	AEP	4644	6306	10	VCP	72
SSS	W-3-5	1331 W FRANKLIN AVE	8/10/17	2024	283069	19424	15	VCP	459
CSS	W-4-1	13 E MORGAN	8/10/17	4887	4896	17334	12	VCP	265
SSS	W-6-4	2550 STANLEY PLACE	8/11/17	283948	5061	29971	8	VCP	20
SSS	W-3-3	611 N THIRD AVE	8/12/17	283774	283769	6234	10	VCP	139

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	W-4-7	1614 SHANKLIN AVE	8/12/17	4488	98957	11285	8	VCP	220
CSS	W-4-7	1531 GROVE ST	8/12/17	98957	98956	11286	8	VCP	222
CSS	W-4-1	45 READ ST	8/12/17	283780	7662	17407	12	VCP	38
CSS	W-4-9	1400 N FULTON AVE	8/12/17	1192	283293	17796	15	VCP	140
SSS	W-4-2	27 E COLUMBIA ST	8/12/17	7729	ATC	28961	8	PVC	127
SSS	W-4-5	409 MILLNER INDUSTRIAL DR	8/12/17	7615	14423	5293	8	PVC	77
CSS	W-4-2	1003 MAIN ST	8/12/17	282962	ATC	5790	8	VCP	93
CSS	W-2-3	314 N SAINT JOSEPH AVE	8/12/17	AEP	283979	30140	10	VCP	89
CSS	W-3-3	101 E IOWA ST	8/14/17	4286	12498	16773	12	VCP	222
SSS	W-1-1	403 S BOSSE AVE	8/14/17	11244	11242	13404	8	VCP	305
CSS	W-2-6	1900 W INDIANA ST	8/15/17	8500	283644	18021	15	VCP	467
CSS	W-2-2	2738 AUSTIN AVE	8/15/17	8579	283806	6427	10	VCP	318
CSS	W-2-2	2814 AUSTIN AVE	8/15/17	283806	ATC	6443	10	LINED VCP	10
CSS	W-4-9	1211 N FULTON AVE	8/15/17	1107	1108	6296	10	VCP	391
CSS	W-3-3	621 N THIRD AVE	8/15/17	283769	ATC	30325	10	VCP	35
CSS	W-3-3	611 N THIRD AVE	8/15/17	CO	283774	30330	10	VCP	61
CSS	W-3-6	407 N FULTON	8/15/17	98737	283658	19409	12	VCP	151
CSS	W-4-2	406 S BARKER AVE	8/16/17	8581	8385	12478	10	VCP	277
CSS	W-2-2	2709 CLAREMONT AVE	8/16/17	AEP	283564	13924	8	VCP	97
SSS	W-12-4	1620 REITER DR	8/16/17	14902	14891	14059	8	RPM	51
CSS	W-4-4	32 W MORGAN AVE	8/16/17	283641	4902	30174	15	VCP	213
CSS	W-3-3	301 N FIRST AVE	8/16/17	AEP	1447	30108	8	VCP	131
SSS	W-2-4	2200 W INDIANA ST	8/17/17	AEP	283578	30100	8	PVC	20
CSS	W-3-3	901 W TENNESSEE ST	8/17/17	283838	1168	17812	15	VCP	30
CSS	W-3-3	901 W TENNESSEE ST	8/17/17	AEP	283838	29868	8	VCP	80
CSS	E-4-2	1015 S KENTUCKY AVE	8/17/17	1867	ATC	29827	12	VCP	91
CSS	E-1-3	702 SE RIVERSIDE DR	8/18/17	283237	283246	14335	8	VCP	169
SSS	W-3-1	1313 W MISSOURI ST	8/18/17	283526	2001	30063	12	VCP	282
SSS	E-1-3	702 SE RIVERSIDE DR	8/18/17	283246	AEP	29814	8	VCP	30
CSS	E-2-3	203 NW THIRD ST	8/18/17	283519	AEP	30049	15	RPM	63
CSS	E-2-3	203 NW THIRD ST	8/18/17	283520	283521	30050	15	RPM	112
CSS	E-4-7	922 BELLEMEADE AVE	8/18/17	15773	284032	24595	10	VCP	251
CSS	E-4-7	922 BELLEMEADE AVE	8/18/17	284032	ATC	30635	10	VCP	251
CSS	W-3-2	612 BAKER AVE	8/18/17	283518	ATC	30048	8	PVC	17
CSS	W-4-7	1306 GROVE ST	8/19/17	4495	ATC	17942	12	VCP	233
CSS	E-7-6	N US HWY 41	8/19/17	12206	12207	19946	12	VCP	337

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	E-2-2	23 W DIVISION ST	8/19/17	283976	AEP	30566	10	VCP	34
CSS	E-2-2	23 W DIVISION ST	8/19/17	283225	283976	5767	10	VCP	114
SSS	W-6-3	900 KECK AVE	8/19/17	AEP	5057	29913	8	VCP	74
SSS	W-4-7	1116 CODY ST	8/19/17	AEP	4563	30343	8	VCP	57
CSS	W-3-6	1121 W DELAWARE ST	8/19/17	AEP	283771	17982	10	VCP	222
CSS	W-3-6	701 N FIFTH AVE	8/19/17	1061	283651	19431	15	VCP	288
SSS	W-16-6	9828 MASSEY DR	8/19/17	AEP	280915	26871	8	PVC	2
CSS	W-3-6	1121 W DELAWARE ST	8/19/17	283771	ATC	30327	12	VCP	28
CSS	W-2-1	2905 BROADWAY AVE	8/19/17	283343	8335	29881	10	VCP	160
CSS	W-6-2	1126 E DIAMOND AVE	8/19/17	12406	12407	16746	15	VCP	344
CSS	W-4-7	1128 GROVE ST	8/21/17	4505	ATC	19459	15	VCP	394
CSS	E-3-6	2203 BURDETTE AVE	8/21/17	AEP	283226	23997	8	VCP	237
SSS	W-3-3	5610 WHIPPOORWILL DR	8/21/17	14919	14880	22009	8	VCP	312
SSS	W-3-3	1400 CRESCENT CT	8/21/17	11363	11361	13778	8	RPM	389
CSS	W-6-1	1412 E EICHEL AVE	8/21/17	283270	283238	14289	12	VCP	333
CSS	W-4-5	621 W MORGAN AVE	8/21/17	1175	1177	17672	15	VCP	227
SSS	E-11-1	3301 FOX CT	8/22/17	168177	168178	22387	8	RPM	131
SSS	E-11-1	3313 FOX CT	8/22/17	168176	168177	22386	8	RPM	311
SSS	W-16-1	3511 HECKEL RD	8/22/17	283451	283452	29999	8	PVC	114
SSS	W-16-1	3436 HECKEL RD	8/22/17	283452	283453	30000	8	PVC	249
SSS	E-11-8	3615 HECKEL RD	8/22/17	283453	282651	30001	8	PVC	93
SSS	E-9-12	220 EAGLE CREST DRIVE	8/22/17	CO	14092	7194	8	RPM	106
SSS	E-10-2	1420 N STOCKWELL	8/22/17	281278	15159	26902	8	RPM	55
SSS	W-6-3	430 STONEGATE RD	8/23/17	AEP	9843	12930	8	VCP	120
SSS	W-8-2	811 MEYER AVE	8/23/17	AEP	9061	14742	8	VCP	280
CSS	E-1-4	500 SE FOURTH ST	8/23/17	4859	ATC	17480	15	VCP	185
CSS	E-4-7	660 S EVANS AVE	8/23/17	283492	ATC	30102	10	VCP	13
SSS	E-11-2	2000 LYNCH RD	8/23/17	7311	7373	16647	15	VCP	353
CSS	E-8-3	2307 E EICHEL AVE	8/23/17	170843	ATC	23505	8	VCP	102
CSS	E-8-2	2625 VOGEL RD	8/23/17	AEP	2090	24485	8	VCP	206
CSS	W-6-6	509 E OLMSTEAD AVE	8/24/17	283787	283788	11254	8	VCP	45
CSS	W-6-3	401 REIS AVE	8/24/17	AEP	283786	26659	8	VCP	498
SSS	W-6-3	401 REIS AVE	8/24/17	283786	281003	30351	8	PVC	7
CSS	E-1-1	828 SUNSET AVE, 47713	8/24/17	283657	283656	30193	15	VCP	380
SSS	E-9-12	215 EAST MEADE DR	8/25/17	14125	14142	7271	8	RPM	164
SSS	E-9-12	7417 E SYCAMORE ST	8/25/17	14142	14119	7258	8	RPM	122

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-9-11	7609 ADAMS AVE	8/25/17	3166	3167	7859	8	VCP	69
SSS	E-9-8	6408 NEWBURGH RD	8/25/17	CO	5826	7343	8	RPM	121
SSS	E-9-8	6500 NEWBURGH RD	8/25/17	5823	5812	7341	8	RPM	114
CSS	W-3-6	408 N FOURTH AVE	8/25/17	AEP	98737	12394	10	VCP	65
SSS	W-3-6	410 N FOURTH AVE	8/25/17	AEP	98737	12395	8	VCP	90
CSS	W-6-6	450 E OLMSTEAD AVE	8/25/17	AEP	283787	14682	8	VCP	150
CSS	E-1-1	630 SUNSET AVE	8/26/17	4877	283657	30194	15	VCP	224
CSS	E-1-1	828 SUNSET AVE	8/26/17	283656	1568	17466	15	VCP	374
SSS	E-9-8	6601 BAYARD PARK DR	8/26/17	283804	282500	30367	8	RPM	15
CSS	W-3-2	322 EDGAR ST	8/26/17	1010	1096	17604	12	PVC	143
CSS	W-2-4	2300 N SAINT JOSEPH AVE	8/28/17	8511	ATC	19620	15	UNK	10
CSS	W-5-3	513 HESS AVE	8/28/17	AEP	283566	19639	12	VCP	125
SSS	E-9-8	6601 BAYARD PARK DR	8/28/17	5825	283804	29058	8	RPM	204
SSS	W-2-4	2315 ST JOSEPH AVE	8/28/17	283333	283659	5519	8	VCP	122
CSS	W-6-3	1816 N BEDFORD AVE	8/28/17	283798	ATC	30360	12	RCP	10
CSS	W-6-3	1916 N BEDFORD AVE	8/28/17	AEP	283798	17020	12	RCP	205
CSS	W-3-2	550 W VIRGINIA ST	8/28/17	AEP	1201	17601	15	VCP	40
CSS	W-5-3	703 N SONNTAG AVE	8/29/17	8199	CB	11323	10	VCP	654
CSS	W-5-3	500 N BARKER AVE	8/30/17	4034	ATC	10022	12	VCP	158
CSS	W-2-2	338 LESLIE AVE	8/30/17	AEP	283597	30125	10	VCP	618
SSS	E-9-5	106 S Royal Ave	8/31/17	6020	282742	23542	8	VCP	356
SSS	E-9-12	215 EAST MEADE ST	8/31/17	14120	14142	7259	8	RPM	123
SSS	W-3-3	421 SCENIC DR	8/31/17	5986	5987	22841	8	VCP	191
SSS	E-9-1	515 CONGRESS AVE	8/31/17	AWW	6356	6730	10	PVC	21
SSS	E-6-8	705 COBBLESTONE DR	8/31/17	CO	14254	11192	8	PVC	43
SSS	E-6-6	5511 BAYARD PARK DR	8/31/17	6580	283601	30127	8	RPM	194
CSS	E-1-4	825 CHESTNUT ST	9/1/17	AEP	283169	29756	10	PVC	76
CSS	W-7-7	101 N GARVIN ST	9/2/17	11607	11611	17087	12	VCP	313
SSS	W-9-4	1624 N SAINT JOSEPH AVE	9/4/17	8277	8155	23081	8	VCP	375
SSS	W-5-1	3129 WATERMAN DR	9/5/17	AEP	8924	24501	8	VCP	205
CSS	W-4-6	1710 W MARYLAND ST	9/5/17	4511	4517	19933	15	VCP	137
SSS	W-3-5	313 N SIXTH AVE	9/5/17	2023	2022	6327	8	VCP	195
CSS	W-3-5	1510 W FRANKLIN ST	9/5/17	2043	2042	16691	15	VCP	25
CSS	W-3-5	1510 W FRANKLIN ST	9/5/17	2041	2043	16690	15	VCP	42
CSS	W-3-5	206 N THIRD AVE	9/5/17	AEP	283506	30040	12	VCP	56
SSS	E-9-5	525 LANT LN	9/6/17	AEP	5908	30373	8	RPM	116

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	W-2-5	2630 DIXIE FLYER RD	9/6/17	8321	8322	14696	8	VCP	155
CSS	W-2-5	2809 DIXIE FLYER RD	9/6/17	8320	8321	14693	10	VCP	412
SSS	W-9-2	1722 CHARLOTTE AVE	9/6/17	8282	8281	12379	8	VCP	138
CSS	W-3-3	401 S THIRD AVE	9/7/17	1073	7902	23911	8	VCP	286
CSS	W-2-4	2100 W ILLINOIS ST	9/7/17	AEP	8493	15963	12	VCP	23
SSS	W-1-2	4520 W LLOYD EXPY	9/7/17	11269	14748	13500	10	RPM	153
SSS	W-8-1	2519 M FIRST AVE	9/7/17	283802	9135	30365	8	PVC	377
CSS	W-6-6	509 E OLMSTEAD AVE	9/7/17	283788	12490	30374	8	VCP	34
SSS	E-3-2	1828 COKER AVE	9/7/17	282459	2812	29024	8	VCP	39
CSS	W-6-6	509 E OLMSTEAD AVE	9/7/17	12490	283817	11256	12	VCP	34
CSS	E-3-10	1906 S WEINBACH AVE	9/7/17	3910	3890	14411	10	VCP	195
SSS	E-3-3	2171 SHELBY AVE	9/7/17	2998	2999	14833	8	RPM	126
SSS	E-3-11	1567 MARSHALL AVE	9/7/17	AEP	282458	29023	10	VCP	8
SSS	E-3-9	1801 S ELLIOTT ST	9/7/17	1739	2259	17194	12	RCP	170
SSS	E-9-5	10 LINCOLNWOOD DR	9/8/17	5886	5885	5064	8	VCP	64
CSS	E-3-11	1529 ADAMS AVE	9/8/17	AEP	166615	20673	8	VCP	182
SSS	E-3-4	2711 S VILLA DR	9/8/17	2574	2580	23058	8	VCP	395
SSS	E-3-4	2916 CULVERSON AVE	9/8/17	2580	2581	23059	8	VCP	90
SSS	E-6-11	7416 WREN DR	9/8/17	100031	100030	25991	8	RPM	45
SSS	E-6-11	1400 LARK DR	9/8/17	100030	10520	25992	8	VCP	285
CSS	W-6-2	1119 MAXWELL AVE	9/11/17	7617	12095	19717	12	VCP	204
CSS	W-6-2	1119 MAXWELL AVE	9/11/17	12095	12093	19707	15	VCP	291
SSS	E-4-4	1301 E CHANDLER AVE	9/11/17	283570	AEP	30094	8	VCP	30
CSS	E-7-6	N US HWY 41	9/12/17	12205	12206	19947	12	VCP	318
CSS	E-4-1	326 TAYLOR AVE	9/12/17	283099	ATC	29691	10	VCP	21
CSS	E-1-3	1817 W VIRGINIA ST	9/13/17	CB	AEP	10032	12	VCP	140
SSS	W-13-4	3008 N RED BANK RD	9/13/17	11349	137643	12793	12	VCP	160
SSS	W-8-6	219 PEMBERTON AVE	9/13/17	283513	ATC	30044	8	VCP	42
CSS	W-2-3	2218 W VIRGINIA ST	9/13/17	8480	283561	30085	12	VCP	303
CSS	W-2-3	2331 N SAINT JOSEPH AVE	9/13/17	283565	ATC	30088	12	VCP	32
CSS	W-3-3	477 BOND ST	9/13/17	7894	7893	6061	10	RCP	382
SSS	E-3-5	2548-2550 MARGYBETH AVE	9/13/17	283886	2909	30447	8	VCP	387
CSS	W-3-5	301 N SEVENTH AVE.	9/13/17	2040	283341	17976	12	VCP	320
CSS	W-6-5	210-212 N LAFAYETTE AVE	9/13/17	12318	12240	14672	10	VCP	534
CSS	E-3-10	2017 GRAHAM AVE	9/13/17	284011	3906	14399	8	VCP	155
CSS	E-3-10	1920 S WEINBACH AVE	9/13/17	3906	3908	14398	8	VCP	343

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	E-2-2	216 SYCAMORE ST	9/14/17	7932	ATC	17498	12	VCP	141
CSS	W-3-2	312 314 W ILLINOIS ST	9/14/17	1436	1297	17589	10	VCP	208
CSS	W-3-6	1121 W VIRGINIA ST	9/14/17	283658	283335	19411	12	VCP	331
CSS	E-3-10	2068 CONLIN AVE	9/14/17	3559	3558	21709	8	VCP	179
SSS	E-3-10	2021 S ALVORD BLVD	9/14/17	3897	282109	28669	15	VCP	304
SSS	E-6-5	704 S CULLEN AVE	9/15/17	AEP	6454	7285	8	VCP	68
CSS	E-2-3	359 INGLE ST	9/15/17	AEP	7875	17557	12	VCP	235
CSS	W-4-5	1330 N FIRST AVE	9/16/17	1163	1166	15941	15	VCP	305
CSS	W-6-5	132 HERNDON DR	9/16/17	AEP	283820	30378	8	VCP	61
CSS	E-4-1	1618 S GARVIN ST	9/18/17	283848	283836	17207	12	VCP	313
SSS	E-5-2	2451 COVERT AVE	9/18/17	282632	282988	29188	12	VCP	74
CSS	W-5-2	619 HESS AVE	9/19/17	8111	ATC	19649	15	VCP	156
SSS	W-2-2	2828 S BARKER AVE	9/19/17	282279	99336	28858	15	VCP	119
SSS	E-6-1	2024 S PARKER DR	9/19/17	3712	3402	24353	8	VCP	44
CSS	W-4-7	1300 DRESDEN ST	9/19/17	4635	4719	17966	12	VCP	341
CSS	E-3-6	2516 VANN AVE	9/19/17	2631	AWW	24028	15	LINED VCP	198
CSS	E-3-8	1650 S KENTUCKY AVE	9/19/17	50177	50178	18382	15	VCP	68
SSS	W-12-3	605 JOBES LN	9/20/17	14706	14707	14031	8	PVC	143
CSS	W-2-6	1925 OHIO ST	9/20/17	8436	8434	16777	15	RCP	241
CSS	W-2-4	2616 W ILLINOIS ST	9/20/17	284057	8710	19333	15	VCP	505
CSS	W-5-1	3400 STOCKER DR	9/20/17	283399	283397	29949	10	VCP	40
CSS	W-3-1	923 W OREGON ST	9/20/17	1038	283868	30429	10	VCP	159
SSS	W-8-4	4816 NORBOURNE WAY	9/20/17	CO	9334	23546	8	VCP	55
SSS	W-4-5	2116 N FIRST AVE	9/20/17	CO	5024	29211	8	RPM	76
CSS	W-3-5	221 N FULTON AVE	9/20/17	283874	283773	6325	10	VCP	225
SSS	E-6-11	7416 WREN DR	9/21/17	10514	100030	23351	8	VCP	88
SSS	W-11-3	41 N US HWY 41	9/21/17	AEP	125678	29813	10	VCP	2
SSS	W-5-1	3400 STOCKER DR	9/21/17	283397	6485	29950	10	PVC	22
CSS	W-5-1	3400 STOCKER DR	9/21/17	AEP	283399	29952	10	PVC	40
CSS	W-3-3	722 REIS AVE	9/21/17	AEP	12058	29883	10	VCP	80
CSS	W-6-2	1031 E DIAMOND AVE	9/21/17	12149	12143	16958	12	VCP	347
CSS	W-5-2	709 N TENTH AVE, 47712	9/21/17	283796	ATC	30358	12	VCP	10
CSS	W-4-2	2315 W FRANKLIN ST	9/22/17	8484	283565	15978	12	VCP	416
SSS	W-8-2	2627 MEADOW LARK LN	9/22/17	11330	281901	28475	8	PVC	48
CSS	W-3-5	221 N FULTON AVE	9/22/17	283773	ATC	30329	10	VCP	48
SSS	E-12-1	5900 OLD BOONVILLE HWY	9/22/17	13857	13858	8354	8	RPM	361

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-9-3	N SAINT JOSEPH AVE	9/23/17	AEP	4846	12501	8	VCP	2
CSS	E-5-2	COVERT AVE AND S BOEKE RD	9/23/17	282998	282997	29584	15	VCP	260
CSS	W-6-3	316 MAXWELL AVE	9/23/17	12004	12005	17398	12	VCP	100
CSS	E-1-6	CANAL ST & S GARVIN ST	9/23/17	9418	283853	30412	15	VCP	12
SSS	W-8-2	2626 MEADOW LARK LN	9/25/17	129353	129352	13854	8	UNK	148
SSS	W-8-4	3351 N FIRST AVE	9/25/17	3816	8983	15395	8	PVC	300
SSS	W-8-5	6022 ASHBROOKE RD	9/25/17	10669	10670	22244	8	VCP	174
SSS	W-1-2	62 S BOSSE AVE	9/25/17	11210	11209	23766	15	VCP	260
CSS	W-3-5	201 N FULTON AVE	9/25/17	1227	283874	30434	8	VCP	187
CSS	W-3-5	107 N FULTON AVE	9/25/17	AEP	1227	6323	8	VCP	162
SSS	W-5-1	3022 WIMBERG AVE	9/26/17	8261	8262	11401	8	VCP	73
SSS	W-8-4	4800 KRATZVILLE RD	9/26/17	9346	9345	11867	8	VCP	33
SSS	W-8-4	4801 KRATZVILLE RD	9/26/17	9345	9344	11874	8	VCP	110
SSS	W-8-4	4822 SHEFFIELD DR	9/26/17	9347	9348	11875	8	VCP	87
SSS	W-3-3	615 JOBES LN	9/26/17	14709	14708	14030	8	RPM	58
CSS	E-5-3	2505 ADAMS AVE	9/27/17	AEP	283897	14557	8	VCP	368
CSS	W-9-2	1930 ALLENS LANE	9/28/17	131687	4762	13560	12	VCP	359
CSS	W-5-1	3021 W FRANKLIN ST	9/28/17	AEP	64433	21742	8	VCP	277
CSS	W-6-1	1301 MORGAN AVE	9/29/17	12164	283523	30053	15	VCP	242
SSS	E-9-6	5550 E VIRGINIA ST	9/29/17	283052	6048	29633	8	RPM	287
SSS	W-10-17	12312 OAK GATE RD	9/30/17	13106	AWW	12093	8	RPM	19
SSS	W-12-5	1930 WILLOW CREEK DR	10/2/17	14997	14996	13267	8	PVC	344
SSS	W-11-2	1209 E BASELINE RD	10/3/17	13277	13276	10256	8	RPM	405
SSS	W-11-2	1209 E BASELINE RD	10/3/17	13278	13277	10257	8	RPM	404
SSS	W-11-3	404 N US HWY 41	10/5/17	88733	88724	15278	12	VCP	281
SSS	W-11-3	404 N US HWY 41	10/5/17	88724	90020	15280	12	VCP	286
SSS	W-11-3	404 N US HWY 41	10/5/17	88729	88730	15284	12	VCP	331
SSS	W-11-3	404 N US HWY 41	10/5/17	88728	88729	15285	12	VCP	309
SSS	W-11-3	404 N US HWY 41	10/5/17	88727	88728	15286	12	VCP	388
SSS	W-11-3	404 N US HWY 41	10/5/17	88726	88727	15287	12	VCP	382
SSS	W-11-3	404 N US HWY 41	10/5/17	88725	88726	15288	12	VCP	402
SSS	W-11-3	404 N US HWY 41	10/5/17	90020	88725	15289	12	VCP	223
SSS	W-1-2	205 S BOSSE	10/5/17	CO	11265	29838	8	RPM	125
CSS	E-1-3	225 OAK ST	10/6/17	AEP	15985	12365	10	VCP	104
CSS	E-1-3	615 SE THIRD ST	10/6/17	AEP	15986	17481	12	VCP	110
CSS	E-2-3	515 SYCAMORE ST	10/6/17	AEP	283198	17552	12	VCP	202

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	E-1-3	225 OAK ST	10/6/17	283955	ATC	30536	10	VCP	20
CSS	W-6-5	221 WEDEKING AVE	10/6/17	283951	283952	30531	15	VCP	94
CSS	W-6-5	2116 STRINGTOWN RD	10/7/17	AEP	283887	5425	10	VCP	108
CSS	W-6-5	541 WEDEKING AVE	10/7/17	283887	12061	30448	10	VCP	45
SSS	W-11-1	HWY 41 NORTH OF TAURUS RD	10/8/17	90121	37530	15299	12	VCP	424
SSS	W-11-1	HWY 41 NORTH OF TAURUS RD	10/8/17	90122	90121	15300	12	VCP	401
SSS	W-11-1	HWY 41 NORTH OF TAURUS RD	10/8/17	90123	90122	15301	12	VCP	417
CSS	W-2-6	1900 W INDIANA ST	10/9/17	283644	ATC	30183	15	VCP	40
CSS	E-1-4	600 MULBERRY ST	10/10/17	9402	283954	17479	12	VCP	180
SSS	W-13-3	1116 N WERNER AVE	10/10/17	283927	127989	30502	8	PVC	150
CSS	E-2-2	101 SYCAMORE ST	10/11/17	7971	7972	17535	15	VCP	306
SSS	E-6-11	1413 FUQUAY RD	10/11/17	AEP	10594	30540	8	VCP	73
SSS	W-5-1	1621 HARMONY WAY	10/12/17	AEP	14582	11402	8	RPM	76
SSS	W-5-1	1621 HARMONY WAY	10/12/17	14584	14582	11403	8	RPM	74
SSS	W-11-3	N US HWY 41	10/12/17	88732	88733	15279	12	VCP	365
SSS	W-11-1	HWY 41 SOUTH OF AMERIQUAL	10/12/17	90105	90106	15293	12	VCP	313
SSS	W-11-1	17820 N US HWY 41	10/12/17	90106	90107	15294	15	VCP	293
SSS	W-11-1	HWY 41 NORTH OF SEWER LIFT STATION	10/12/17	90107	90108	15295	12	VCP	393
SSS	W-11-1	HWY 41 NORTH OF SEWER LIFT STATION	10/12/17	90109	37530	15297	12	VCP	236
CSS	W-7-3	600 E DIVISION ST	10/12/17	CO	5029	5627	8	VCP	88
SSS	W-11-1	17820 N US HWY 41	10/13/17	90108	90109	15296	15	VCP	288
SSS	W-11-1	HWY 41 NORTH OF TAURUS RD	10/13/17	90124	90123	15302	12	VCP	338
SSS	W-11-1	16880 N HWY 41	10/13/17	90125	90124	15303	12	VCP	448
SSS	W-11-1	HIGHWAY 41 NORTH OF TAURUS RD	10/13/17	90126	90125	15304	12	VCP	495
SSS	W-11-1	HWY 41 NORTH OF BASELINE RD	10/13/17	90127	13254	15305	12	VCP	213
SSS	W-11-1	HWY 41 NORTH OF BASELINE RD	10/13/17	90128	90127	15306	12	VCP	403
SSS	W-11-1	HWY 41 NORTH OF BASELINE	10/13/17	13262	90128	15309	12	VCP	341
SSS	W-13-3	1116 N WERNER AVE	10/13/17	AEP	283927	30501	8	VCP	200
SSS	W-6-4	2550 STANLEY PL	10/13/17	AEP	283948	30529	8	VCP	60
CSS	E-2-2	21 S E THIRD ST	10/14/17	7936	283929	6026	8	CAS	109
CSS	E-2-2	28 SE THIRD ST	10/14/17	283929	ATC	22871	12	RCP	54
CSS	E-1-3	200 SE SECOND ST	10/17/17	283250	283940	11652	10	VCP	138
CSS	E-1-3	201 OAK ST	10/17/17	283940	ATC	30516	10	VCP	43
SSS	E-9-3	211 S CULLEN AVE	10/17/17	6064	6076	22790	8	VCP	425
SSS	E-9-3	211 S CULLEN AVE	10/17/17	6076	6090	22791	8	VCP	163
SSS	W-6-3	1813 MARBO AVE	10/17/17	2346	2347	21578	8	VCP	153

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-3	5001 SHADY COURT	10/17/17	AEP	11304	29344	8	VCP	306
SSS	W-5-3	3001 W VIRGINIA ST	10/17/17	AEP	64437	30546	12	VCP	39
CSS	E-2-2	21 S E THIRD ST	10/17/17	283929	ATC	30518	8	CAS	55
SSS	W-3-3	612 W VIRGINIA ST	10/17/17	283854	1348	30413	8	PVC	105
CSS	W-4-2	737 E OREGON	10/18/17	11771	11770	17072	15	VCP	20
SSS	E-9-15	7930 BINGHAM DR	10/18/17	170568	170569	24812	8	PVC	33
SSS	E-4-1	1609 S MORTON AVE	10/19/17	AEP	283848	30406	10	VCP	356
SSS	E-4-1	1607 S MORTON AVE	10/19/17	AEP	283848	30405	10	VCP	132
SSS	W-3-4	718 NW SECOND ST	10/19/17	7881	283124	29712	10	RCP	10
CSS	W-5-2	2660 MARYLAND ST	10/20/17	CO	283950	30530	8	VCP	274
CSS	W-3-6	620 N FOURTH AVE	10/20/17	283650	ATC	30189	15	VCP	43
SSS	W-3-6	701 N FIFTH AVE	10/20/17	283651	ATC	30190	15	VCP	37
CSS	W-2-4	2315 N SAINT JOSEPH AVE	10/20/17	283659	ATC	30195	8	VCP	41
CSS	W-6-2	1110 E NEGLEY AVE	10/20/17	12389	12390	5489	12	VCP	210
SSS	E-12-2	1101 HIRSCHLAND RD	10/21/17	283760	283759	30313	8	PVC	208
SSS	E-12-2	1101 HIRSCHLAND RD	10/21/17	AEP	283760	30314	8	PVC	10
SSS	E-12-2	1101 HIRSCHLAND RD	10/21/17	283759	283761	30312	8	PVC	397
SSS	W-11-1	HWY 41 NORTH AT E BASELINE RD	10/23/17	37624	90156	15308	12	VCP	144
SSS	W-11-1	HWY 41 NORTH OF BASELINE	10/23/17	90152	281873	15310	12	VCP	384
SSS	W-11-1	HWY 41 NORTH OF BASELINE RD	10/23/17	90153	90152	15311	12	VCP	359
SSS	W-11-1	HWY 41 NORTH OF BASELINE	10/23/17	90155	90153	15312	12	VCP	378
SSS	W-11-1	HWY 41 NORTH OF BASELINE	10/23/17	90156	90155	15313	12	VCP	388
CSS	W-1-4	3250 SCHRADER DR	10/23/17	283618	65501	6445	8	VCP	128
CSS	W-6-2	2504 NEGLEY PL	10/23/17	12398	12397	11303	15	VCP	188
SSS	E-12-1	4001 LYNCH RD	10/23/17	283752	283751	30297	8	PVC	119
SSS	E-12-1	4001 LYNCH RD	10/23/17	285751	283750	30298	8	PVC	207
SSS	E-12-1	3929 LYNCH RD	10/23/17	283750	283749	30299	8	PVC	127
SSS	E-12-1	3929 LYNCH RD	10/23/17	283749	283748	30300	8	PVC	315
SSS	E-12-1	3930 LYNCH RD	10/23/17	283748	283747	30301	8	PVC	300
SSS	E-12-1	3930 LYNCH RD	10/23/17	283747	170776	30302	8	PVC	58
SSS	E-12-1	3930 HEALTHY WAY	10/23/17	283755	283754	30303	8	PVC	320
SSS	E-12-1	4040 HEALTHY WAY	10/23/17	283754	283753	30304	8	PVC	345
SSS	E-12-2	1501 BURKHART	10/24/17	283762	281344	30315	8	PVC	65
SSS	E-12-1	5401 LENAPE LN	10/24/17	283583	283584	30104	8	PVC	93
SSS	E-12-1	5322 LENAPE LN	10/24/17	283584	283585	30105	8	PVC	341
SSS	E-12-1	4115 LENAPE LN	10/24/17	283585	283586	30106	8	PVC	243

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-12-1	4115 LENAPE LN	10/24/17	283586	283587	30143	8	PVC	164
SSS	E-12-1	4115 LENAPE LN	10/24/17	283587	170768	30144	8	PVC	230
SSS	E-9-5	316 S ROYAL AVE	10/24/17	283646	283645	30184	8	PVC	21
CSS	E-4-1	1618 S GARVIN ST	10/24/17	283836	ATC	30396	12	VCP	23
SSS	E-9-5	316 S ROYAL AVE	10/24/17	283645	6010	30186	8	PVC	90
SSS	W-5-1	3001 MUENSTERMAN AVE	10/25/17	14588	14587	12285	8	VCP	79
SSS	W-13-4	2620 MEADOW LARK LN	10/25/17	129351	129352	13855	8	VCP	224
CSS	E-2-2	2 MAIN ST	10/25/17	7973	7975	19072	15	VCP	231
SSS	W-5-1	3122 WIMBERG AVE	10/25/17	8259	8258	22442	8	VCP	235
SSS	E-11-5	2601 SWINGING WAY CT	10/25/17	281802	12563	28336	8	VCP	342
SSS	E-6-5	4910 LINCOLN AVE	10/25/17	283821	283822	30379	8	PVC	50
SSS	E-6-5	4910 LINCOLN AVE	10/25/17	283822	382774	30380	8	PVC	15
SSS	E-6-5	4910 LINCOLN AVE	10/25/17	AEP	283821	30381	8	PVC	2
CSS	W-6-5	501 E OLMSTEAD AVE	10/26/17	283817	283818	11255	10	VCP	150
SSS	E-12-1	4040 N CULLEN AVE	10/27/17	283753	170767	30305	8	RPM	37
SSS	E-12-1	3929 N CULLEN AVE	10/27/17	283758	170776	30306	8	RPM	50
SSS	E-12-1	3929 N CULLEN AVE	10/27/17	283757	283758	30307	8	RPM	390
SSS	E-12-1	4041 N CULLEN AVE	10/27/17	283844	283845	30310	8	RPM	375
CSS	E-2-3	15 NW FIFTH ST	10/27/17	284020	283961	5997	8	VCP	205
CSS	E-1-1	1105 SE FIRST ST	10/28/17	AEP	282700	30433	8	VCP	32
CSS	E-2-3	933 MAIN ST	10/28/17	AEP	282845	17515	12	RPM	320
SSS	E-1-4	421 CHERRY ST	10/30/17	283668	283667	30205	12	PVC	75
SSS	E-1-4	421 CHERRY ST	10/30/17	283667	283638	30206	8	PVC	10
SSS	E-1-4	421 CHERRY ST	10/30/17	283666	283667	30207	8	PVC	15
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283733	283732	30277	8	PVC	175
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283732	283731	30278	8	PVC	135
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283731	283730	30279	8	PVC	150
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283730	283729	30280	8	PVC	135
SSS	W-16-8	2824 LENOX DR	10/30/17	283729	283728	30281	8	PVC	145
SSS	W-16-8	2824 LENOX DR	10/30/17	283728	85646	30282	8	PVC	11
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	AEP	283740	30286	8	PVC	2
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283740	283739	30287	8	PVC	50
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283739	283738	30288	8	PVC	270
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283738	283737	30289	8	PVC	155
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283737	283736	30290	8	PVC	250
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283741	283737	30291	8	PVC	173

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283742	283739	30292	8	PVC	325
SSS	W-16-9	12330 N GREEN RIVER RD	10/30/17	283914	13198	30477	8	PVC	150
SSS	W-16-9	12420 N GREEN RIVER RD	10/30/17	283915	283914	30478	8	PVC	100
SSS	E-6-9	1567 GLENMOOR RD	10/30/17	283917	283918	30480	8	VCP	50
SSS	E-6-9	1567 GLENMOOR RD	10/30/17	283918	ATC	30481	8	PVC	33
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283735	85621	30284	8	PVC	190
SSS	W-16-8	11001 PETERSBURG RD	10/30/17	283734	283735	30283	8	PVC	120
SSS	E-6-5	662 BELLEMEADE AVE	10/30/17	6974	6972	23267	8	VCP	205
SSS	E-5-3	1200 S ROOSEVELT DR	10/31/17	3289	283974	14558	8	VCP	423
SSS	E-9-2	5200 E VIRGINIA ST	10/31/17	283875	283052	30435	8	PVC	12
SSS	E-9-6	5200 E VIRGINIA ST	10/31/17	283876	283875	30436	8	PVC	320
SSS	E-9-2	5200 E VIRGINIA ST	10/31/17	AEP	283876	30437	8	PVC	2
SSS	E-9-2	5200 E VIRGINIA ST	10/31/17	283882	283875	30443	8	PVC	400
SSS	E-9-2	5200 E VIRGINIA ST	10/31/17	283883	283882	30444	8	PVC	395
SSS	E-1-1	1302 SE FIRST ST	10/31/17	283962	1552	30548	8	PVC	12
SSS	E-1-1	1302 SE FIRST ST	10/31/17	283963	283962	30549	8	PVC	248
SSS	E-1-4	421 CHERRY ST	10/31/17	283968	283969	30555	12	PVC	80
SSS	E-1-4	421 CHERRY ST	10/31/17	283969	283970	30556	12	PVC	78
SSS	E-1-4	410 SE FOURTH ST	10/31/17	283970	12555	30557	12	PVC	112
CSS	E-3-8	1017 BAYSE ST	11/1/17	99583	1703	11030	8	VCP	92
CSS	W-2-3	2751 W FRANKLIN ST	11/1/17	284056	63892	19329	12	VCP	605
SSS	W-16-11	5235 AGRI CT	11/1/17	282920	283823	29506	8	PVC	395
SSS	W-16-11	14020 STATE RD SR 57	11/1/17	CO	282921	29504	8	PVC	255
SSS	W-16-11	5235 AGRI CT	11/1/17	283823	282919	30382	8	PVC	15
SSS	W-16-11	5232 AGRI CT	11/1/17	282921	282920	29505	8	PVC	400
CSS	E-4-4	1300 WASHINGTON AVE	11/2/17	280958	283956	19535	12	VCP	279
SSS	E-3-7	5111 MUSTANG DR	11/2/17	283611	283612	30147	8	PVC	135
SSS	E-3-7	5019 MUSTANG DR	11/2/17	283612	283614	30148	8	PVC	308
SSS	E-3-7	4915 MUSTANG DR	11/2/17	283614	283615	30149	8	PVC	408
SSS	E-3-7	4833 STABLES DR	11/2/17	283615	283469	30150	8	PVC	211
CSS	E-3-9	501 E RIVERSIDE	11/2/17	283310	15960	18680	12	VCP	154
CSS	E-6-8	6101 NEWBURGH RD	11/2/17	6565	281170	14863	8	VCP	107
SSS	W-8-3	4201 HOGUE RD	11/3/17	11553	11554	15590	15	VCP	140
CSS	E-2-2	21 S E THIRD ST	11/3/17	7936	283929	30505	12	RCP	120
CSS	E-9-3	4982 TIPPECANOE DR	11/3/17	283978	6271	30568	8	VCP	85
CSS	E-2-3	417 SYCAMORE ST	11/3/17	8000	ATC	5996	10	RCP	158

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	E-2-2	920 SYCAMORE ST	11/3/17	4261	ATC	17516	12	VCP	153
CSS	W-3-3	101 MARY ST	11/3/17	1093	ATC	6054	8	VCP	35
CSS	E-1-3	301 SE FIRST ST	11/6/17	8011	7998	5949	8	VCP	289
SSS	E-2-3	424 MAIN ST	11/6/17	AEP	8000	30569	15	RCP	52
CSS	W-3-4	400 S THIRD	11/6/17	7902	ATC	6276	8	VCP	22
CSS	E-4-4	9001 S HARLAN AVE	11/6/17	283956	ATC	30537	12	VCP	8
SSS	W-5-1	1400 HARMONY WAY	11/7/17	8272	14571	6489	8	VCP	258
CSS	E-2-3	626 COURT ST	11/7/17	7920	AEP	17505	15	VCP	270
CSS	W-6-5	318 RICHARDT AVE	11/7/17	11999	11992	5823	10	VCP	168
CSS	E-2-3	206 NW THIRD ST	11/7/17	AEP	7969	17559	15	VCP	45
CSS	E-2-3	MAIN ST & NW FOURTH ST	11/7/17	7958	7959	30572	8	VCP	22
SSS	E-2-3	19 NW FOURTH ST.	11/7/17	7958	7959	5983	8	VCP	57
SSS	W-13-4	2626 MEADOW LARK LN	11/7/17	281901	129352	30503	8	VCP	183
CSS	E-1-6	11 N MORTON AVE	11/8/17	15813	283971	19268	15	VCP	288
CSS	E-4-5	512 LEWIS AVE	11/9/17	283967	283966	30553	8	VCP	430
CSS	W-3-3	100 E COLUMBIA ST	11/9/17	12501	4932	17308	15	VCP	345
SSS	E-6-11	1461 AUDUBON DR	11/10/17	AEP	10503	7622	8	VCP	65
SSS	W-9-4	1717 RUSSELL AVE	11/10/17	8278	8277	23079	8	VCP	289
SSS	W-5-1	3019 HARTIG AVE	11/10/17	14595	8255	22449	8	VCP	381
SSS	W-5-1	1600 REICHMAN AVE	11/10/17	8256	8255	22473	12	VCP	202
CSS	E-2-3	15 29 SYCAMORE ST	11/11/17	283961	283960	30542	8	VCP	20
SSS	E-2-2	300 310 N MAIN ST	11/11/17	7960	ATC	30377	8	PVC	15
CSS	E-2-3	600 INGLE ST	11/13/17	AEP	7922 OFFSET	6057	8	VCP	141
SSS	E-12-1	4040 N CULLEN	11/13/17	283845	170767	30309	8	PVC	30
CSS	E-2-2	211 GARFIELD AVE	11/13/17	283851	ATC	30410	8	PVC	2
SSS	E-2-2	300 310 N MAIN ST	11/13/17	283816	7960	30376	8	PVC	13
CSS	W-3-3	616 W COLUMBIA ST	11/13/17	AEP	1215	6268	8	VCP	73
CSS	W-3-2	600 HARRIET ST	11/13/17	1197	1196	19574	15	VCP	334
CSS	W-6-5	319 WEDEKING AVE	11/14/17	283321	283951	17418	15	VCP	357
CSS	W-5-3	2650 W IOWA	11/14/17	281090	8087	19627	12	VCP	309
CSS	W-4-2	2200 N. ELEVENTH AVE.	11/14/17	8492	ATC	19619	12	VCP	166
CSS	W-2-6	418 N WABASH AVE	11/15/17	99269	8467	18014	15	VCP	23
CSS	E-7-5	2001 VOGEL RD	11/16/17	5673	AEP	19502	15	VCP	236
SSS	W-13-3	1300 WESTERN HILLS AVE	11/16/17	11412	283991	27227	8	VCP	338
SSS	W-3-5	101 SEVENTH AVE	11/16/17	AEP	2046	17977	15	VCP	89
CSS	W-5-3	901 N ST JOE AVE	11/17/17	8131	ATC	18198	12	VCP	220

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-5-3	3004 W VIRGINIA	11/18/17	CO	283994	30547	8	PVC	439
CSS	E-1-3	225 OAK ST	11/18/17	AEP	284013	5952	8	VCP	230
SSS	E-4-2	1620 MONROE VE	11/18/17	CO	280989	30591	10	VCP	38
CSS	E-4-2	959 TAYLOR AVE	11/18/17	AEP	284012	5665	10	VCP	106
CSS	E-2-2	101 COURT ST	11/20/17	284063	ATC	5994	10	VCP	227
SSS	W-16-1	7420 LAUREN DR	11/20/17	283631	283630	30158	8	PVC	200
SSS	W-16-1	3344 JAYLYNN CT	11/20/17	283630	283629	30159	8	PVC	340
SSS	W-16-1	3412 JAYLYNN CT	11/20/17	283629	283628	30160	8	PVC	140
SSS	W-16-1	3512 JAYLYNN CT	11/20/17	283628	283627	30161	8	PVC	312
SSS	E-6-5	4711 BELLEMEADE	11/20/17	6970	6968	7300	10	VCP	34
CSS	E-4-2	959 TAYLOR	11/20/17	284012	15984	30613	8	VCP	6
SSS	W-11-3	1435 LONGMEADOW WAY	11/21/17	283694	279362	30217	8	PVC	209
SSS	W-11-3	1509 LONGMEADOW WAY	11/21/17	283691	283690	30218	8	PVC	54
SSS	W-11-3	1529 LONGMEADOW WAY	11/21/17	283690	283689	30219	8	PVC	268
SSS	W-11-3	1541 LONGMEADOW WAY	11/21/17	283689	283688	30220	8	PVC	156
SSS	W-11-3	1541 LONGMEADOW WAY	11/21/17	283693	283688	30221	8	PVC	160
SSS	W-11-3	18630 WHITFIELD CT	11/21/17	283688	283687	30222	8	PVC	183
SSS	W-11-3	18630 WHITFIELD CT	11/21/17	283692	283687	30223	8	PVC	170
SSS	W-11-3	18616 WHITFIELD CT	11/21/17	283687	283686	30224	8	PVC	276
SSS	W-11-3	18530 WHITFIELD CT	11/21/17	283686	283680	30225	8	PVC	250
SSS	W-11-3	18508 WHITFIELD CT	11/21/17	283680	283679	30226	8	PVC	172
SSS	W-11-3	18438 WHITFIELD CT	11/21/17	283679	283678	30227	8	PVC	163
SSS	W-11-3	18422 WHITFIELD CT	11/21/17	283678	283677	30228	8	PVC	104
SSS	W-11-3	18410 WHITFIELD CT	11/21/17	283677	283676	30229	8	PVC	19
SSS	W-11-3	18410 WHITFIELD CT	11/21/17	283676	13323	30230	8	PVC	136
SSS	W-11-3	18410 WHITFIELD CT	11/21/17	283675	283676	30231	8	PVC	39
SSS	W-11-3	18410 WHITFIELD CT	11/21/17	283674	283675	30232	8	PVC	322
SSS	W-11-3	18432 SOMERVILLE CT	11/21/17	283681	283682	30233	8	PVC	180
SSS	W-11-3	18500 SOMERVILLE CT	11/21/17	283682	283683	30234	8	PVC	149
SSS	W-11-3	18508 WHITFIELD CT	11/21/17	283683	283679	30235	8	PVC	294
SSS	W-11-3	18530 SOMERVILLE CT	11/21/17	283685	283684	30236	8	PVC	185
SSS	W-11-3	18510 SOMERVILLE CT	11/21/17	283684	283683	30237	8	PVC	248
SSS	W-11-3	18500 SOMERVILLE CT	11/21/17	283695	283683	30238	8	PVC	198
SSS	W-16-1	7515 LAUREN DR	11/22/17	283712	283711	30246	8	PVC	150
SSS	W-16-1	7515 LAUREN DR	11/22/17	283711	283710	30247	8	PVC	277
SSS	W-16-1	7515 LAUREN DR	11/22/17	283710	283709	30248	8	PVC	350

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-16-1	7515 LAUREN DR	11/22/17	283709	283625	30249	8	PVC	265
CSS	W-6-1	1202 E TENNESSEE	11/22/17	283476	ATC	30027	10	VCP	26
CSS	E-1-3	423 SE THIRD ST	11/22/17	284013	ATC	30614	8	VCP	10
SSS	W-11-2	15701 HUSKY WAY	11/22/17	AEP	283635	30178	8	PVC	2
SSS	W-11-2	15701 HUSKY WAY	11/22/17	AEP	283635	30179	8	PVC	2
SSS	W-11-2	737 CHAD ST	11/22/17	283635	282764	30169	8	PVC	106
SSS	W-16-1	3512 JAYLYNN CT	11/27/17	283627	283626	30162	8	PVC	400
SSS	W-16-1	7515 MILLERSBURG RD	11/27/17	AEP	283626	30258	12	PVC	2
SSS	W-16-3	7515 LAUREN DR	11/27/17	283626	283625	30163	12	PVC	100
SSS	W-16-3	7515 LAUREN DR	11/27/17	283625	283624	30157	12	PVC	120
SSS	W-16-1	7515 MILLERSBURG RD	11/27/17	AEP	283624	30257	12	PVC	2
SSS	W-16-1	MILLERSBURG RD	11/27/17	AEP	283713	30255	8	PVC	2
SSS	W-16-1	MILLERSBURG RD	11/27/17	AEP	283713	30256	12	PVC	2
SSS	E-1-3	421 CHESTNUT ST	11/27/17	283998	283997	30594	10	PVC	300
SSS	E-1-3	421 CHESTNUT ST	11/27/17	283997	283996	30595	10	PVC	80
SSS	E-1-3	421 CHESTNUT ST	11/27/17	283996	283671	30596	10	PVC	15
SSS	W-16-1	MILLERSBURG RD	11/28/17	283624	283713	30156	12	PVC	395
SSS	W-16-3	MILLERSBURG RD	11/28/17	283713	283714	30254	12	PVC	405
SSS	W-11-2	15911 FENWAY DR	11/28/17	283825	88618	30384	8	PVC	130
SSS	W-11-2	901 E BASELINE RD	11/28/17	283826	283825	30385	8	PVC	75
SSS	W-11-2	811 E BASELINE RD	11/28/17	283827	283828	30387	8	PVC	75
SSS	W-11-2	901 E BASELINE RD	11/28/17	283828	283826	30388	8	PVC	182
SSS	W-16-1	MILLERSBURG RD	11/28/17	283716	283714	30251	12	PVC	56
SSS	W-16-3	MILLERSBURG RD	11/28/17	AEP	283716	30253	8	PVC	2
SSS	W-11-1	HWY 41 NORTH OF BASELINE	11/29/17	281873	13262	28439	12	VCP	8
SSS	W-11-1	600 BOYLE LN	11/29/17	13269	13262	10499	10	PVC	221
CSS	W-3-4	1415 OHIO ST	11/29/17	8430	8752	14766	10	RCP	140
SSS	W-11-3	N HWY 41	11/29/17	88730	88731	15283	12	VCP	334
SSS	W-8-1	3737 WILLOW BEND DR	11/29/17	CO	14405	26787	8	RPM	19
SSS	W-10-2	4500 STRINGTOWN RD	11/29/17	283661	283662	30200	8	PVC	55
SSS	W-8-8	7522 BLACKBERRY HL	11/29/17	283941	280576	30519	8	PVC	92
SSS	W-9-1	1931 ALLENS LN	11/29/17	4767	4768	12471	8	VCP	84
SSS	W-4-2	1710 W MARYLAND ST	11/29/17	4515	7689	19430	12	VCP	33
CSS	W-4-4	1550 BAKER AVE	11/30/17	1184	283972	17701	15	VCP	262
CSS	W-4-6	1710 W MARYLAND ST	11/30/17	4516	4511	19932	15	VCP	33
CSS	W-4-4	32 W MORGAN AVE	11/30/17	283972	ATC	30559	15	VCP	22

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	W-6-1	1271 MAXWELL AVE	11/30/17	52827	12159	19286	12	VCP	353
SSS	W-8-5	4215 KRATZVILLE RD	12/1/17	9000	9003	11508	8	RPM	273
SSS	W-8-3	4319 KRATZVILLE RD	12/1/17	AEP	9000	28337	8	RPM	86
SSS	W-8-7	6669 KRATZVILLE RD	12/1/17	CO	124550	30259	8	RPM	128
SSS	W-8-2	419 CHRIST RD	12/2/17	9603	9604	23197	10	VCP	410
SSS	W-4-2	1000 N GARVIN	12/2/17	4967	283367	17068	15	VCP	325
SSS	W-8-1	3209 KENSINGTON AVE	12/2/17	8975	8970	24129	12	VCP	390
SSS	W-8-1	2519 N FIRST AVE	12/2/17	283801	283802	30364	8	PVC	79
CSS	W-4-2	2813 AUSTIN AVE	12/4/17	8583	8581	14128	8	VCP	336
CSS	W-3-1	N FIFTH & FOUNTAIN AVE	12/4/17	2005	ATC	19448	12	VCP	57
SSS	W-3-3	3117 CORBIERRE AVE	12/4/17	8828	281938	28522	10	RPM	160
SSS	W-10-1	3421 LITTLE CREEK PKWY	12/4/17	9748	9749	5869	8	RCP	17
CSS	W-4-6	1720 W MARYLAND ST	12/4/17	4517	7689	19931	15	VCP	328
SSS	E-4-4	1145 E POWELL AVE	12/5/17	283977	284030	30567	12	PVC	162
SSS	E-4-4	1144 E BLACKFORD AVE	12/5/17	284030	280958	30631	12	VCP	87
SSS	W-7-3	200 N HEIDELBACH	12/6/17	4294	4304	17289	12	VCP	325
CSS	E-1-4	614 SE SIXTH ST	12/6/17	283954	ATC	30621	12	VCP	12
CSS	E-1-4	614 SE SIXTH ST	12/6/17	283954	284018	30534	12	VCP	184
SSS	E-12-1	4949 HEALTHY WAY	12/6/17	283984	283752	30578	8	PVC	160
SSS	E-1-4	421 CHESTNUT ST	12/6/17	283999	283998	30593	8	PVC	27
SSS	W-5-1	3132 WIMBERG AVE	12/6/17	8258	8257	22443	8	VCP	240
SSS	E-1-4	421 CHESTNUT ST	12/6/17	284000	283999	30592	8	PVC	220
SSS	W-8-5	5400 BERRY LN	12/7/17	9369	9370	22186	15	VCP	356
SSS	W-8-5	5400 BERRY LN	12/7/17	9367	9369	22189	15	VCP	472
SSS	W-8-5	5400 BERRY LN	12/7/17	9370	9363	22190	15	VCP	355
CSS	W-6-3	2116 STRINGTOWN RD	12/7/17	CB	12067	17019	12	VCP	174
CSS	W-2-3	2760 W FRANKLIN ST	12/7/17	284016	8696	18963	15	VCP	350
SSS	W-5-1	2910 W FRANKLIN ST	12/7/17	AEP	283717	30264	8	VCP	99
CSS	W-2-3	2814 W FRANKLIN ST	12/7/17	64434	284016	30619	8	VCP	239
CSS	W-6-6	2600 N MAIN ST	12/7/17	AEP	12315	5853	10	VCP	218
SSS	W-5-1	2910 W FRANKLIN ST	12/8/17	283718	283717	30265	8	PVC	15
CSS	W-7-7	E VIRGINIA ST & N KENTUCKY AVE	12/8/17	283142	15830	29730	12	VCP	258
CSS	W-4-5	1505 N THIRD AVE	12/11/17	1113	1114	30120	10	VCP	105
SSS	W-4-8	1401 N SIXTH AVE	12/11/17	4569	4568	30241	8	VCP	9
SSS	W-3-6	600 N SIXTH AVE	12/11/17	284023	2037	30628	8	PVC	80
SSS	W-8-4	2940 PERWINKLE DR	12/13/17	14547	14548	13811	8	PVC	214

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	W-3-2	518 520 HARRIET ST	12/13/17	AEP	1199	18941	12	VCP	1
CSS	W-3-3	721 723 W FRANKLIN ST	12/13/17	283588	ATC	30107	8	VCP	32
SSS	W-10-15	10100 BAUMGART	12/13/17	12926	12925	9408	8	PVC	390
SSS	W-10-15	1025 SUWANNEE DR	12/13/17	12927	12926	9409	10	PVC	350
SSS	W-10-15	10100 BAUMGART RD	12/13/17	12928	12927	9410	8	PVC	390
SSS	W-7-4	101 S WILLOW RD	12/13/17	283899	11860	30463	8	PVC	150
CSS	W-3-2	502 518 MARY ST	12/13/17	1199	1091	30132	12	RCP	145
SSS	W-13-4	2600 CAREN DR	12/14/17	128323	11331	30517	8	VCP	295
SSS	W-5-3	917 N SAINT JOSEPH AVE	12/14/17	AEP	284021	30625	8	VCP	67
SSS	W-12-6	8038 HOPE XING	12/15/17	CO	16105	13177	8	VCP	70
CSS	W-3-2	40 W COLUMBIA ST	12/15/17	AEP	283420	17683	8	VCP	113
CSS	W-5-1	3001 W FRANKLIN ST	12/16/17	AEP	282513	21594	8	VCP	69
CSS	W-4-9	1324 N FIFTH AVE	12/16/17	AEP	4484	30340	8	VCP	455
CSS	W-5-3	917 N ST JOSEPH AVE	12/18/17	99125	8131	18199	10	VCP	367
SSS	W-3-1	1319 W MISSOURI ST	12/18/17	283781	283526	30342	10	PVC	10
CSS	W-5-1	300 N BARKER AVE	12/18/17	4039	284026	19331	12	VCP	367
CSS	W-5-1	422 N BARKER AVE	12/18/17	284026	8156	30630	12	VCP	611
CSS	E-7-3	2210 BELLEMEADE AVE	12/19/17	284038	ATC	11075	12	VCP	298
CSS	E-7-3	2209 BELLEMEADE AVE	12/19/17	284039	284038	19498	15	VCP	42
CSS	E-7-3	2209 BELLEMEADE AVE	12/19/17	CB	284039	30638	12	VCP	168
SSS	W-3-3	117 W BERKELEY AVE	12/19/17	121617	9524	12030	8	VCP	278
SSS	W-8-5	1349 WOODBINE LN	12/19/17	9354	9352	11869	8	VCP	165
CSS	W-12-3	4800 MIDDLE MOUNT VERNON RD	12/19/17	14671	14670	15651	15	RPM	317
CSS	W-2-3	2600 PENNSYLVANIA ST	12/19/17	283775	99238	30333	10	VCP	112
SSS	W-3-1	1313 N FIRST AVE	12/19/17	AEP	1019	30336	8	PVC	7
CSS	W-2-4	2502 W FRANKLIN ST	12/19/17	283785	99237	30350	10	VCP	421
CSS	W-2-3	2410 W MICHIGAN ST	12/19/17	8721	ATC	5540	8	VCP	3
SSS	W-8-1	3810 STRINGTOWN RD	12/19/17	9021	9022	6503	10	RPM	75
CSS	E-4-7	1101 LINCOLN AVE	12/21/17	AEP	15711	5115	8	VCP	118
SSS	W-8-2	3301 N FIRST AVE	12/28/17	9128	9152	11436	8	VCP	46
CSS	W-7-1	1216 E WALNUT ST	1/9/18	11880	11875	16858	12	VCP	221
CSS	W-5-3	3013 W DELAWARE ST	1/9/18	8173	8174	22146	8	VCP	230
SSS	W-8-3	112 LEXINGTON RD	1/10/18	9472	9470	11540	8	VCP	223
CSS	W-3-3	819 S SECOND STREET	1/10/18	283294	284055	6241	10	VCP	339
SSS	W-5-1	1545 MESKER PARK DR	1/10/18	8233	8232	22452	15	RCP	360
CSS	W-3-3	819 W FRANKLIN ST	1/10/18	284055	ATC	30658	10	VCP	56

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-2-3	415 N BARKER AVE	1/11/18	AEP	284056	30660	10	VCP	160
CSS	E-1-3	209 CHESTNUT ST	1/19/18	284036	ATC	20346	10	VCP	87
CSS	W-2-4	2600 W ILLINOIS	1/19/18	AEP	284057	30612	10	VCP	222
CSS	E-2-3	19 NW FOURTH ST	1/19/18	7956	ATC	6004	10	VCP	173
CSS	W-2-4	2616 W ILLINOIS ST	1/22/18	8709	AEP	30610	15	VCP	165
CSS	W-4-4	25 W EICHEL AVE	1/23/18	15754	4900	17697	12	VCP	203
CSS Total Cleaned (ft)									78,718
SSS Total Cleaned (ft)									66,892
Total 8" to 15" Diameter Pipes Cleaned (ft) *									145,609.18

* Total includes 5085 ft of CSS and 5245 ft of SSS cleanings that were not submitted in previous SARs

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	12/2/14	2205 ERIC CT	4773	4774	12841	8	RPM	195
CSS	5/8/15	2017 GRAHAM AVE	284011	3906	14399	8	VCP	155
SSS	7/6/15	5008 MANOR CT	AEP	9192	11643	8	VCP	65
SSS	8/22/15	4900 STRATFORD RD	9203	282797	11724	10	LINED VCP	143
CSS	11/12/15	812 WASHINGTON AVE	AEP	15736	13907	8	VCP	111
CSS	3/24/16	101 N SEVENTH AVE	AEP	2046	17977	15	VCP	89
SSS	5/18/16	800 PFEIFER RD	9740	9742	5877	8	VCP	185
SSS	8/15/16	1322 E COLUMBIA ST	284054	52647	22114	8	PVC	127
SSS	8/15/16	1322 E COLUMBIA ST	11765	284054	30655	15	VCP	181
CSS	9/12/16	1012 N NEW YORK AVE	AEP	11666	16902	12	VCP	148
SSS	9/28/16	7801 BUSSING DR	AEP	11116	22286	10	RPM	184
SSS	10/21/16	5020 UPPER MT VERNON RD	138039	11383	15635	12	RPM	196
SSS	10/21/16	5020 UPPER MT VERNON RD	11491	138991	15667	12	UNK	84
SSS	10/21/16	5100 UPPER MT VERNON RD	11490	11491	22935	12	VCP	430
SSS	10/21/16	5300 UPPER MT VERNON RD	11489	11490	24017	12	VCP	403
SSS	10/27/16	5900 POLLACK AVE	AEP	3124	7562	10	RPM	5
SSS	1/3/17	4451 N FIRST AVE	AEP	121063	11535	8	VCP	114
CSS	1/25/17	901 W TENNESSEE ST	283797	1166	30359	15	VCP	153
CSS	1/25/17	901 W TENNESSEE ST	1168	283797	17813	15	VCP	175
CSS	1/26/17	1701 FREMONT AVE	AEP	2207	12425	8	VCP	368
CSS	2/3/17	2719 SHORT MARION AVE E	283873	8661	14136	8	VCP	90
CSS	2/3/17	1930 W INDIANA ST	283500	ATC	30034	8	VCP	47
CSS	2/6/17	2230 W ILLINOIS ST	283575	ATC	30096	12	VCP	49
CSS	2/6/17	2230 W ILLINOIS ST	8495	283575	15964	12	VCP	469
CSS	2/7/17	2300 2304 N TWELFTH AVE	283793	281077	30356	10	VCP	44
CSS	2/10/17	2300 W 2302 VIRGINIA ST	283576	ATC	30097	12	VCP	39
CSS	2/10/17	2300 W 2302 VIRGINIA ST	8481	283576	15976	12	VCP	420
CSS	2/16/17	110 W INDIANA ST	283794	8500	13897	8	VCP	255
SSS	2/25/17	3400 STOCKER DR	AEP	283399	29952	10	PVC	40
CSS	3/8/17	715 W COLUMBIA ST	8042	283796	18012	12	VCP	428
CSS	3/14/17	2700 W LLOYD EXPY	283799	8695	5533	10	VCP	351
SSS	3/24/17	4920 TIPPECANOE DR	6271	6270	24012	8	RCP	304
CSS	3/29/17	854 BAYARD PARK DR	CB	15767	18082	15	VCP	190
SSS	4/7/17	4008 WESTERN AVE	37358	11425	14764	12	VCP	287
CSS	4/12/17	2625 FOREST AVE	283775	99238	30333	10	VCP	112
SSS	4/13/17	1312 GENESTA DR	AEP	127997	23183	8	VCP	49

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	4/18/17	2601 N MAIN ST	AEP	12315	5853	10	VCP	218
SSS	5/1/17	2500 N FIRST AVE	282911	282910	29494	8	PVC	247
CSS	5/8/17	716 CARDINAL DR	58240	AWW	13919	8	VCP	29
CSS	5/16/17	1313 W MISSOURI ST	283526	2001	30063	12	VCP	282
CSS	5/17/17	1200 W COLUMBIA ST	AEP	1061	12403	10	VCP	22
CSS	6/5/17	700 RHEINLANDER AVE	283300	8910	21608	12	VCP	41
CSS	6/15/17	1402 SE SECOND ST	2417	283190	17451	12	VCP	107
CSS	6/29/17	321 OAKLEY ST	283582	283634	30168	12	VCP	154
CSS	7/1/17	611 E FLORIDA ST	281956	12531	17035	15	VCP	402
CSS	7/1/17	625 E LOUISIANA ST	AEP	12528	17045	12	VCP	182
CSS	7/1/17	611 E FLORIDA ST	12531	12533	17048	15	VCP	356
SSS	7/3/17	1608 MARBO AVE	2149	2358	20431	8	VCP	175
CSS	7/3/17	624 E MISSOURI ST	283621	12528	17034	10	VCP	468
CSS	7/3/17	629 E COLUMBIA ST	12491	15801	17069	12	VCP	282
CSS	7/3/17	763 E COLUMBIA ST	5033	15826	17100	12	VCP	235
SSS	7/5/17	1605 SHELBY AVE	2358	2365	21659	8	VCP	322
SSS	7/5/17	2006 EUCLID DR	10088	10092	22666	8	VCP	382
SSS	7/5/17	5100 BELLEMEADE AVE	283942	6440	30522	8	RPM	17
CSS	7/5/17	1414 KELLER ST	4588	4587	6302	10	VCP	192
SSS	7/5/17	1701 REINHARDT AVE	AEP	79530	7078	8	VCP	178
SSS	7/5/17	2911 GRAHAM AVE	9917	9916	7690	8	VCP	360
CSS	7/5/17	625 E MISSOURI ST	7724	12520	17028	10	VCP	478
CSS	7/5/17	733 E FLORIDA ST	11777	ATC	17061	12	RCP	50
SSS	7/6/17	2225 POLLACK AVE	AEP	2878	22401	8	VCP	259
CSS	7/6/17	4321 POLLACK AVE	AEP	283226	23997	8	VCP	237
SSS	7/6/17	1817 PLANTATION CT	AEP	281249	29636	8	VCP	248
SSS	7/6/17	1913 PLANTATION CT	AEP	281249	29637	8	VCP	229
SSS	7/6/17	1912 ELMENDORF AVE	283704	69702	30244	8	RPM	392
SSS	7/6/17	1926 ELMENDORF AVE	69703	283704	5599	8	RPM	325
CSS	7/6/17	1412 KELLER ST	4586	4587	6297	10	VCP	123
SSS	7/6/17	6625 KINWAY DR	282662	282661	29220	8	PVC	92
SSS	7/6/17	6605 KINWAY DR	282661	282660	29221	8	PVC	131
SSS	7/6/17	6601 KINWAY DR	282659	282660	29222	8	PVC	365
SSS	7/6/17	6501 KINWAY DR	282660	282658	29223	8	PVC	327
SSS	7/6/17	6501 KINWAY DR	282657	282658	29224	8	PVC	372
SSS	7/6/17	6501 KINWAY DR	282658	282655	29225	8	PVC	251

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/6/17	6401 KINWAY DR	282655	282654	29226	8	PVC	97
SSS	7/6/17	6401 KINWAY DR	282656	282654	29227	8	PVC	405
SSS	7/6/17	3711 EBBETS DR	282651	282652	29230	8	PVC	405
SSS	7/6/17	6303 KINWAY DR	282652	282653	29231	8	PVC	133
CSS	7/6/17	1106 N MORTON AVE	12527	283621	30154	10	VCP	47
CSS	7/7/17	1811 N SEVENTH AVE	4610	4611	12884	10	VCP	193
CSS	7/7/17	1224 AKIN DR	1917	1935	16783	12	VCP	536
CSS	7/7/17	1417 UHLHORN ST	4587	4611	17968	12	VCP	336
SSS	7/7/17	616 S ENGLEWOOD AVE	AEP	281919	28502	8	VCP	142
CSS	7/7/17	1562 MARSHAL AVE	AEP	172535	5094	8	VCP	103
SSS	7/7/17	2329 POLLACK AVE	AEP	2876	7094	8	VCP	319
SSS	7/7/17	2554 KATHLEEN AVE	CO	2911	7663	8	VCP	131
SSS	7/7/17	2518 E RIVERSIDE DR	3949	3950	7682	8	RCP	65
CSS	7/7/17	700 E OREGON ST	11771	12518	17073	15	VCP	470
SSS	7/7/17	6316 VIETH LN	283592	82194	26885	10	RPM	107
SSS	7/7/17	6316 VIETH LN	281190	281189	26886	10	RPM	48
SSS	7/7/17	6416 VIETH LN	281191	281190	26887	8	RPM	397
SSS	7/7/17	6416 VIETH LN	281192	281191	26888	8	RPM	406
SSS	7/7/17	6536 VIETH LN	281193	281192	26889	8	RPM	287
SSS	7/7/17	6316 VIETH LN	281189	283592	30116	10	RPM	8
CSS	7/8/17	7706 AS GOVERNOR ST	ATC	2258	17196	15	VCP	346
CSS	7/8/17	1680 S ELLIOTT ST	2461	ATC	18668	15	VCP	16
CSS	7/8/17	28 W FLORIDA ST	AEP	283633	30167	8	VCP	152
CSS	7/8/17	1209 BAKER AVE	283633	283383	6183	8	VCP	146
CSS	7/8/17	1209 BAKER AVE	283383	ATC	29931	8	VCP	44
SSS	7/10/17	4026 IROQUOIS DR	83247	83246	14278	8	VCP	323
CSS	7/10/17	1212 BAKER AVE	283632	ATC	29845	8	VCP	28
CSS	7/10/17	1212 BAKER AVE	283302	283632	30164	8	RPM	70
SSS	7/10/17	3001 MAXX RD	AEP	14319	5334	10	RPM	11
SSS	7/10/17	1620 BURDETTE AVE	AEP	10054	5586	8	RPM	68
SSS	7/10/17	4400 TAYLOR AVE	2682	2683	6668	8	VCP	341
SSS	7/10/17	5600 WARD RD	CO	7491	8705	8	PVC	94
SSS	7/10/17	6106 WARD RD	11070	11067	8826	8	VCP	421
CSS	7/10/17	1312 N MAIN ST	283375	283376	17689	12	VCP	134
CSS	7/10/17	1218 N MAIN ST	4926	283375	17692	12	VCP	257
CSS	7/10/17	1212 N MAIN ST	AEP	4926	17693	12	VCP	261

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	7/10/17	1212 BAKER AVE	1430	283302	6184	8	RPM	64
SSS	7/11/17	5949 E MORGAN AVE	6126	6127	14942	12	RPM	78
SSS	7/11/17	4741 MORGAN CENTER DR	AEP	281386	27061	8	RPM	6
SSS	7/11/17	2400 Tarry Ln	283549	AWW	30076	8	DIP	35
SSS	7/11/17	2440 JOAN AVE	283549	AWW	30077	8	DIP	35
SSS	7/11/17	6224 WARD RD	11082	11070	8831	8	VCP	328
CSS	7/11/17	1521 N MAIN ST	4897	283641	17688	15	VCP	388
CSS	7/11/17	11 W TENNESSEE ST	4899	283389	17691	12	VCP	119
CSS	7/11/17	11 W TENNESSEE ST	283376	ATC	29924	12	VCP	35
CSS	7/11/17	11 W TENNESSEE ST	283368	ATC	29937	12	VCP	40
SSS	7/11/17	615 FRANKLIN ST	1448	ATC	30176	8	VCP	38
CSS	7/11/17	223 E MISSOURI ST	AEP	4987	5802	10	VCP	134
CSS	7/11/17	615 W FRANKLIN ST	AEP	1448	6249	8	VCP	170
CSS	7/12/17	2319 SIXTH AVE	4571	4577	16736	15	VCP	334
CSS	7/12/17	13 W OREGON ST	283195	283377	17699	12	VCP	134
CSS	7/12/17	1101 BAKER AVE	283573	283569	19578	12	VCP	131
CSS	7/12/17	13 W OREGON ST	283377	ATC	29925	12	VCP	33
CSS	7/12/17	12 W OREGON ST	283384	ATC	29932	10	VCP	32
CSS	7/12/17	1101 BAKER AVE	283569	ATC	30092	12	VCP	33
SSS	7/12/17	13 W OREGON ST	AEP	283195	30180	8	VCP	148
CSS	7/12/17	322 W TENNESSEE ST	1140	1139	6175	8	VCP	163
CSS	7/12/17	102 W OREGON ST	AEP	1322	6182	8	VCP	102
SSS	7/13/17	4201 FRISSE AVE	CO	80673	14391	8	VCP	303
CSS	7/13/17	960 WASHINGTON AVE	283446	ATC	29992	10	PVC	20
CSS	7/13/17	322 W TENNESSEE ST	1100	283721	30270	12	VCP	9
SSS	7/13/17	6040 E OAK ST	5904	5903	6916	8	RCP	283
SSS	7/13/17	6115 KNIGHT DR	5902	5896	6921	8	RCP	274
SSS	7/13/17	6155 E OAK ST	5896	5897	6923	8	RCP	229
CSS	7/13/17	322 W TENNESSEE ST	283721	1098	16232	12	VCP	208
CSS	7/13/17	1120 HARRIET ST	1151	1148	17652	10	VCP	326
CSS	7/13/17	1330 CODY ST	4579	4581	18089	12	VCP	316
CSS	7/13/17	323 W OREGON ST	AEP	1120	6160	8	VCP	90
CSS	7/13/17	329 W TENNESSEE ST	AEP	1140	6167	8	VCP	139
CSS	7/13/17	1511 HARRIET ST	1183	1140	6174	10	VCP	139
SSS	7/14/17	1450 PLAZA DR	10575	10498	23365	8	VCP	123
SSS	7/14/17	6616 E WALNUT ST	CO	5435	30322	8	RPM	134

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/14/17	301 METRO AVE	13802	281685	5331	8	PVC	264
SSS	7/14/17	5600 E WALNUT ST	5435	5851	6964	8	RPM	382
SSS	7/14/17	1335 N GREEN RIVER RD	6215	6247	8026	8	RPM	294
SSS	7/14/17	1211 TUTOR LN	13796	7588	9073	8	PVC	115
CSS	7/14/17	516 COVERT AVE	AEP	283660	30199	10	VCP	197
CSS	7/14/17	516 COVERT AVE	283660	15954	5692	10	VCP	55
CSS	7/15/17	320 W LOUISIANA ST	283672	1157	17656	12	VCP	42
CSS	7/15/17	1106 READ ST	1154	1155	19595	12	VCP	127
CSS	7/15/17	1108 READ ST	1155	ATC	19596	12	VCP	184
CSS	7/15/17	320 W LOUISIANA ST	ATC	283672	30212	12	VCP	163
CSS	7/15/17	323 W MARYLAND ST	1327	1328	6162	10	VCP	121
CSS	7/15/17	322 W MARYLAND ST	AEP	1326	6195	8	VCP	119
CSS	7/17/17	114 E RIVERSIDE DR	2432	2433	11026	10	VCP	210
SSS	7/17/17	1833 BROADMOOR AVE	CO	3395	23296	10	VCP	105
SSS	7/17/17	1801 BROADMOOR AVE	3395	281885	28453	8	VCP	399
SSS	7/17/17	7001 MONROE AVE	283768	10496	30323	8	VCP	6
SSS	7/17/17	432 HUNTWOOD LN	CO	13950	5611	8	RPM	111
SSS	7/17/17	6110 KNIGHT DR	5907	5906	6938	8	RPM	274
SSS	7/17/17	6110 KNIGHT DR	5906	5905	6942	8	RPM	372
SSS	7/17/17	7007 MONROE AVE	10505	283768	7612	8	VCP	249
CSS	7/17/17	1121 N ELLIOTT ST	4961	4966	17077	12	VCP	344
CSS	7/17/17	112 W LOUISIANA ST	283385	ATC	29933	12	VCP	33
CSS	7/17/17	112 W LOUISIANA ST	1128	1127	6158	10	VCP	468
CSS	7/17/17	323 W COLUMBIA ST	AEP	1326	6196	8	VCP	110
SSS	7/18/17	6515 MONROE AVE	2688	2981	14933	8	VCP	145
SSS	7/18/17	5624 MONROE AVE	3087	3076	22818	8	VCP	336
SSS	7/18/17	1500 PLAZA DR	10574	98543	23381	8	VCP	82
SSS	7/18/17	7101 MONROE AVE	10506	10505	7623	8	VCP	331
CSS	7/18/17	1117 CODY ST	283697	4563	11833	8	VCP	210
CSS	7/18/17	1116 CODY ST	AEP	4563	11835	8	VCP	278
CSS	7/18/17	2100 N 6TH AVE	4594	4596	18968	15	VCP	326
CSS	7/18/17	101 E MARYLAND ST	283291	ATC	30060	10	VCP	20
CSS	7/18/17	27 E MARYLAND ST	283290	ATC	30061	8	VCP	22
CSS	7/18/17	27 E MARYLAND ST	AEP	283290	5791	8	VCP	163
CSS	7/18/17	101 E MARYLAND ST	AEP	283291	5792	10	VCP	231
SSS	7/19/17	1400 ORIOLE DR	10511	10510	23341	8	VCP	367

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/19/17	6921 MONROE AVE	10495	10496	7613	8	VCP	93
CSS	7/19/17	13 E MISSOURI ST	ATC	ATC	17345	15	VCP	165
CSS	7/19/17	11 E MARYLAND ST	CB	4934	17359	12	VCP	319
CSS	7/19/17	100 E MARYLAND ST	4935	283196	5793	10	VCP	299
CSS	7/19/17	1327 N FULTON AVE	1111	ATC	6295	8	VCP	202
SSS	7/20/17	1915 MCCONNELL AVE	AEP	9879	12686	8	VCP	230
SSS	7/20/17	1914 HAWTHORNE AVE	AEP	9879	12687	8	VCP	42
SSS	7/20/17	1216 N BOEKE RD	AEP	281105	28993	8	RPM	103
SSS	7/20/17	828 S ELLIOTT ST	283437	ATC	29983	12	VCP	30
SSS	7/20/17	759 S ELLIOTT ST	283440	ATC	29986	8	VCP	31
CSS	7/20/17	787 S ELLIOTT ST	283441	ATC	29987	8	VCP	32
CSS	7/20/17	235 E GUM ST	283512	ATC	30043	12	VCP	6
CSS	7/20/17	535 LINCOLN AVE	CO	4141	5706	10	VCP	15
CSS	7/20/17	787 S ELLIOTT ST	AEP	283441	5713	8	VCP	94
CSS	7/20/17	W TENNESSEE ST AND N FOURTH AVE	AEP	1027	17799	15	RCP	86
CSS	7/20/17	1217 N FULTON AVE	283514	ATC	30045	12	VCP	53
CSS	7/21/17	103 E DELAWARE ST	12500	12497	17301	12	VCP	288
CSS	7/21/17	103 E DELAWARE ST	12497	12501	19050	15	VCP	236
CSS	7/21/17	1505 N 3RD AVE	1113	1114	30120	10	VCP	105
CSS	7/21/17	1505 N 3RD AVE	1112	1114	30121	10	VCP	127
CSS	7/21/17	203 E IOWA ST	AEP	283133	5747	10	VCP	270
CSS	7/22/17	10 E DELAWARE ST	AEP	4930	17312	10	VCP	122
CSS	7/22/17	1031 TENNESSEE ST	1192	283293	17796	15	VCP	140
CSS	7/22/17	221 HARRIET ST	1293	ATC	18940	12	VCP	174
CSS	7/22/17	1511 READ ST	1316	1461	22266	15	VCP	285
CSS	7/22/17	104 E DELAWARE ST	283371	ATC	29919	10	VCP	21
CSS	7/22/17	25 E DELAWARE ST	283554	ATC	30081	12	VCP	9
CSS	7/24/17	3129 EDGEWOOD DR	8811	8810	21856	8	VCP	290
CSS	7/24/17	210 W INDIANA ST	AEP	282714	5973	10	RCP	234
CSS	7/25/17	2848 EDGEWOOD DR	AEP	283508	14119	8	PVC	53
CSS	7/25/17	117 W INDIANA ST	5034	283194	5761	10	VCP	642
CSS	7/25/17	300 MILLNER INDUSTRIAL DR	14427	14426	11294	8	RPM	409
CSS	7/25/17	300 MILLNER INDUSTRIAL DR	CO	14427	11295	8	RPM	43
CSS	7/25/17	300 MILLNER INDUSTRIAL DR	14425	14424	13892	8	RPM	99
CSS	7/25/17	1511 N FIFTH AVE	4484	4481	19464	12	VCP	374
CSS	7/25/17	1708 N FOURTH AVE	5063	4537	19586	12	VCP	283

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	7/25/17	2912 W FRANKLIN ST	8899	283718	30263	8	RPM	97
CSS	7/25/17	300 MILLNER INDUSTRIAL DR	14426	14425	5291	8	RPM	95
CSS	7/25/17	403 E FLORIDA ST	AEP	4957	5797	8	PVC	18
CSS	7/25/17	1109 HARRIET ST	AEP	283706	6155	10	VCP	121
CSS	7/26/17	28 SE THIRD ST	7985	ATC	17527	15	VCP	135
CSS	7/26/17	1812 N FOURTH AVE	4535	4537	17789	12	VCP	299
CSS	7/26/17	910 N LAFAYETTE AVE	4936	ATC	29927	10	VCP	16
CSS	7/26/17	308E OREGON AVE	283445	ATC	29991	12	VCP	37
CSS	7/26/17	21 E MISSOURI ST	AEP	282962	5775	8	VCP	58
CSS	7/27/17	100 SE SECOND ST	284048	7983	17524	15	VCP	256
SSS	7/27/17	7900 E MORGAN AVE	AEP	280103	24856	8	RPM	6
CSS	7/27/17	111 LOCUST ST	7933	ATC	6021	8	VCP	80
CSS	7/27/17	105 SE THIRD ST	4878	ATC	6023	10	RPM	24
SSS	7/27/17	515 S CONGRESS AVE	AWW	6356	6730	10	PVC	21
SSS	7/27/17	3622 YANKEE DR	282663	282664	29218	8	PVC	71
SSS	7/27/17	3648 YANKEE DR	282664	282662	29219	8	PVC	179
CSS	7/27/17	919 N GOVERNOR ST	283382	ATC	29930	12	VCP	23
CSS	7/28/17	401 NW SECOND ST	4883	ATC	6075	10	RPM	160
SSS	7/28/17	6211 MAXWELL AVE	AEP	81196	8016	8	PVC	261
CSS	7/28/17	509 MARY ST	283700	1144	16237	12	VCP	502
CSS	7/28/17	515 W TENNESSEE ST	AEP	1144	19611	12	VCP	35
CSS	7/28/17	1209 EDGAR ST	1147	283700	30239	12	VCP	140
CSS	7/29/17	101 NW RIVERSIDE DR	42227	7970	16724	12	RCP	409
CSS	7/29/17	9 NW RIVERSIDE DR	7970	8049	16727	12	RCP	309
CSS	7/31/17	101 SE SECOND ST	7950	ATC	17523	15	VCP	300
CSS	7/31/17	513 HESS AVE	283566	ATC	30089	12	PVC	22
CSS	7/31/17	101 SE SECOND ST	7950	ATC	30506	15	VCP	24
CSS	7/31/17	1116 CEDAR ST	283722	4555	13893	8	VCP	144
CSS	7/31/17	1112 KELLER ST	283895	4541	15951	10	VCP	170
CSS	7/31/17	301 SEVENTH AVE	2038	2040	17975	12	VCP	352
SSS	7/31/17	2105 N FULTON AVE	AEP	283722	30271	8	VCP	147
CSS	7/31/17	1112 KELLER ST	4539	283895	5296	10	VCP	113
CSS	8/1/17	301 MARKET ST	AEP	283643	6062	8	VCP	67
CSS	8/1/17	1507 W FLORIDA ST	AEP	4526	17941	12	VCP	118
CSS	8/1/17	1314 KELLER ST	4545	4590	17962	12	VCP	307
CSS	8/1/17	1613 W FLORIDA ST	4496	4495	19456	12	VCP	170

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	8/1/17	1529 W FLORIDA ST	4526	4496	19597	12	VCP	286
CSS	8/1/17	1314 KELLER ST	4544	4545	6300	10	VCP	138
CSS	8/1/17	1315 UHLHORN ST	4649	4545	6301	10	VCP	139
CSS	8/2/17	1616 W FLORIDA ST	4501	4500	17936	12	VCP	247
CSS	8/2/17	1629 DRESDEN ST	4644	283727	30275	10	VCP	51
SSS	8/2/17	1701 N FULTON AVE	AEP	4716	30276	10	VCP	25
CSS	8/2/17	1528 W FLORIDA ST	4527	4501	6293	10	VCP	385
CSS	8/3/17	420 SE FIRST ST	283800	ATC	19073	12	VCP	29
CSS	8/3/17	3201 CORBIERRE AVE	8827	8828	21841	8	VCP	380
CSS	8/3/17	420 SE FIRST ST	282390	ATC	30344	12	VCP	5
CSS	8/3/17	202 S.E. 1ST STREET	AEP	283353	30345	10	VCP	216
CSS	8/3/17	407 SE SECOND ST	AEP	283800	30363	12	VCP	166
CSS	8/3/17	550 SE EIGHTH ST	9408	283351	5702	8	VCP	39
CSS	8/3/17	202 SE FIRST ST	283782	283353	5959	10	VCP	97
CSS	8/3/17	825 CHESNUT ST	283169	ATC	6011	10	VCP	158
SSS	8/3/17	3909 W MARYLAND ST	128006	283746	30295	8	VCP	203
CSS	8/4/17	511 HELFRICH LN	281090	8087	19627	12	VCP	309
SSS	8/4/17	4101 W MARYLAND ST	128006	128007	30294	8	VCP	208
CSS	8/4/17	W MORGAN AVE	1176	1175	17662	12	VCP	312
SSS	8/4/17	1400 N LAFAYETTE AVE	282549	ATC	29108	8	VCP	11
CSS	8/4/17	1400 N LAFAYETTE AVE	AEP	282549	5779	8	VCP	219
CSS	8/5/17	103 SYCAMORE ST	AEP	4262	6010	10	VCP	265
SSS	8/5/17	3909 W MARYLAND ST	283746	283745	30296	8	VCP	16
CSS	8/7/17	401 NW FIFTH ST	AEP	15923	17565	12	VCP	2
CSS	8/7/17	210 N FIRST AVE	281030	283763	26707	8	VCP	433
CSS	8/7/17	2311 N SIXTH AVE	283894	ATC	30458	8	VCP	10
CSS	8/7/17	532 LEMCKE AVE	8086	8085	5535	8	VCP	189
CSS	8/7/17	1109 N HEIDELBACH AVE	283766	4946	12876	10	VCP	160
CSS	8/7/17	2402 N FIFTH AVE	4565	4568	14504	12	VCP	121
CSS	8/7/17	2311 N SIXTH AVE	154630	ATC	24053	8	VCP	271
SSS	8/7/17	1333 KELLER ST	4592	4594	29707	15	VCP	138
CSS	8/7/17	210 N FIRST AVE	283763	ATC	30316	8	VCP	66
CSS	8/7/17	1701 N FULTON AVE	283765	4714	30318	10	VCP	116
CSS	8/7/17	1109 N HEIDELBACH AVE	AEP	283766	30319	10	VCP	385
CSS	8/7/17	1701 N FULTON AVE	4716	283765	6214	10	VCP	135
CSS	8/8/17	2431 W ILLINOIS ST	8710	8497	19339	15	VCP	421

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	8/8/17	514 LEMCKE AVE	8085	8084	5543	10	VCP	236
CSS	8/8/17	605 W EICHEL ST	CO	1176	17651	12	VCP	43
CSS	8/8/17	1610 W LOUISIANA ST	4522	283606	19457	12	VCP	126
CSS	8/8/17	1620 W LOUISIANA ST	283606	283607	30134	12	VCP	164
CSS	8/8/17	1620 W LOUISIANA ST	283607	ATC	30135	12	VCP	37
SSS	8/9/17	6849 LAURA DR	CO	14545	10779	8	VCP	4
SSS	8/9/17	12312 OAK GATE RD	13106	AWW	12093	8	RPM	19
CSS	8/9/17	1116 E DIAMOND AVE	12407	12402	16745	15	VCP	346
SSS	8/9/17	15140 READING DR	AEP	282531	29079	8	PVC	2
SSS	8/9/17	15140 READING DR	AEP	282531	29080	8	PVC	5
SSS	8/9/17	901 HUSKY WAY	AEP	283635	30178	8	PVC	2
SSS	8/9/17	901 HUSKY WAY	AEP	283635	30179	8	PVC	2
CSS	8/9/17	1313 N FIRST AVE	1019	ATC	6163	10	VCP	171
CSS	8/9/17	400 S THIRD AVE	7902	ATC	6276	8	VCP	22
SSS	8/10/17	2550 STANLEY PLACE	283948	5061	29971	8	PVC	20
CSS	8/10/17	1126 E DIAMOND AVE	12406	12407	16746	15	VCP	344
CSS	8/10/17	908 W TENNESSEE ST	1170	1168	17811	12	VCP	160
SSS	8/10/17	1318 OAKLEY ST	AEP	1019	30336	10	PVC	7
CSS	8/10/17	1410 E TENNESSEE ST	52651	52650	5233	12	VCP	276
CSS	8/10/17	1702 GROVE ST	AEP	4644	6306	8	VCP	72
CSS	8/11/17	410 N LAFAYETTE AVE	283186	ATC	29787	12	VCP	12
CSS	8/11/17	1614 SHANKLIN AVE	4488	98957	11285	8	VCP	220
CSS	8/11/17	1614 SHANKLIN AVE	98957	98955	11286	8	VCP	222
CSS	8/11/17	910 W TENNESSE	AEP	1170	6228	12	VCP	155
CSS	8/14/17	2013 W FRANKLIN ST	8469	283772	10031	10	VCP	711
SSS	8/14/17	5100 UPPER MT VERNON RD	138038	138039	15636	12	PVC	40
CSS	8/14/17	611 W LOUISIANA ST	AEP	1190	18943	12	VCP	60
SSS	8/14/17	28 W BUJEY DR	CO	10268	28483	8	PVC	24
CSS	8/14/17	2501 W ILLIOS ST	281937	283785	28521	12	VCP	62
CSS	8/14/17	220 E DELAWARE ST	283369	ATC	29917	12	PVC	15
CSS	8/14/17	301 N LAFAYETTE AVE	283370	ATC	29918	12	VCP	40
CSS	8/14/17	400 N SAINT JOSEPH AVE	AEP	8721	5526	8	VCP	128
CSS	8/14/17	1324 N FIFTH AVE	AEP	4484	30340	8	VCP	455
SSS	8/14/17	1502 W LOUISIANA ST	283781	282775	29364	12	RCP	157
CSS	8/14/17	621 N THIRD AVE	283774	283769	6234	10	VCP	139
CSS	8/14/17	1101 N FULTON AVE	1107	1108	6296	10	VCP	391

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	8/15/17	1930 W INDIANA ST	8500	283644	18021	15	VCP	467
SSS	8/15/17	1301 S HELFRICH AVE	100650	100649	23601	8	RPM	404
CSS	8/15/17	2739 CLAREMONT AVE	8579	283806	6427	10	VCP	318
CSS	8/15/17	2814 AUSTIN AVE	283806	ATC	6443	10	LINED VCP	10
CSS	8/15/17	225 W MORGAN AVE	283780	7662	17407	15	VCP	38
CSS	8/15/17	621 N THIRD AVE	283769	ATC	30325	10	VCP	35
CSS	8/15/17	611 N THIRD AVE	CO	283774	30330	10	VCP	61
CSS	8/16/17	424 E VIRGINIA ST	AEP	11708	10682	12	VCP	3
SSS	8/16/17	1601 ROLLETT LN	124430	124431	13485	8	VCP	320
CSS	8/16/17	417 DREIER BLVD	AEP	283564	13924	8	VCP	97
SSS	8/16/17	1613 REITER DR	14902	14891	14059	8	RPM	51
SSS	8/16/17	1907 ROLLETT LN	AEP	15444	14080	8	PVC	84
SSS	8/16/17	1325 DESHIELDS DR	AEP	14896	14146	8	RPM	163
SSS	8/16/17	5201 BRIDGEVIEW DR	AEP	14898	14147	8	RPM	118
CSS	8/16/17	3412 AUSTIN AVE	8854	8855	21817	8	VCP	216
CSS	8/16/17	101 MARY ST	1093	ATC	6054	8	VCP	35
CSS	8/16/17	221 E DELAWARE ST	283374	ATC	29922	15	VCP	17
CSS	8/16/17	301 N FIRST AVE	AEP	1447	30108	8	VCP	131
CSS	8/16/17	24 W MORGAN AVE	283641	4902	30174	15	VCP	213
SSS	8/16/17	116 CODY ST	AEP	4563	30343	8	VCP	57
SSS	8/17/17	2817 B ST	8365	283865	12417	8	VCP	116
CSS	8/17/17	623 TAYLOR AVE	2517	2519	11020	10	VCP	277
CSS	8/17/17	1500 AKIN DR	CO	1917	12615	10	VCP	300
CSS	8/17/17	532 S LINWOOD AVE	4213	4212	5643	10	VCP	160
CSS	8/18/17	2300 N TWELFTH AVE	283819	8044	5520	10	VCP	247
CSS	8/18/17	608 E RIVERSIDE DR	AEP	2472	10007	8	VCP	61
CSS	8/18/17	608 E RIVERSIDE DR	AEP	2472	10014	8	VCP	101
CSS	8/18/17	701 E RIVERSIDE DR	2492	280980	18444	8	VCP	394
CSS	8/19/17	309 N WILLOW RD	AEP	11716	6621	8	VCP	143
CSS	8/19/17	1612 DRESDEN ST	283784	283783	30346	10	VCP	56
CSS	8/19/17	801 E CHANDLER AVE	15765	15761	5659	10	VCP	627
CSS	8/19/17	1608 DRESDEN ST	283783	4636	6308	10	VCP	204
CSS	8/21/17	1920 W VIRGINIA ST	AEP	99267	13922	10	VCP	271
CSS	8/21/17	519 BELLMEADE AVE	AEP	15775	17213	12	VCP	30
CSS	8/21/17	1300 HARLAN AVE	280971	11686	26602	10	VCP	208
CSS	8/21/17	804 E WALNUT ST	283450	ATC	29995	15	VCP	20

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	8/21/17	2200 W LLOYD EXPY	AEP	283578	30100	8	PVC	20
CSS	8/21/17	100 N NINTH AVE	283644	ATC	30183	15	VCP	40
CSS	8/21/17	W MORGAN AVE	1175	1177	17672	15	VCP	227
CSS	8/21/17	1214 N HEIDELBACH AVE	AEP	4951	5800	10	VCP	298
SSS	8/22/17	8104 LARCH LN	127203	127202	12309	8	VCP	160
SSS	8/22/17	1121 S DEXTER AVE	283315	283313	29853	8	PVC	22
CSS	8/22/17	509 E OLMSTEAD AVE	283787	283788	11254	8	VCP	45
CSS	8/22/17	1121 W DELAWARE ST	AEP	283771	17982	10	VCP	222
CSS	8/22/17	1121 W DELAWARE ST	283771	ATC	30327	12	VCP	28
CSS	8/22/17	100 E MISSOURI ST	4945	4946	5803	10	VCP	301
CSS	8/22/17	201 W DELAWARE ST	1387	1005	6197	10	VCP	44
SSS	8/23/17	1321 LAUBSHER RD	AEP	10239	22161	8	VCP	43
CSS	8/23/17	423 ADAMS AVE	282543	1538	29098	12	VCP	391
SSS	8/23/17	4650 N FIRST AVE	283620	283085	29675	8	VCP	63
CSS	8/23/17	660 S EVANS AVE	283492	ATC	30102	10	VCP	13
SSS	8/23/17	213 REIS AVE	AEP	281003	29446	8	VCP	501
SSS	8/24/17	4301 N FIRST AVE	121064	ATC	11537	8	VCP	290
SSS	8/24/17	3416 KENSINGTON	8958	8962	15389	12	VCP	362
CSS	8/24/17	435 S MORTON AVE	4253	ATC	17122	10	VCP	35
CSS	8/24/17	3020 CLAREMONT AVE	65499	65498	17783	12	VCP	258
SSS	8/24/17	3201 WASHINGTON AVE	AEP	6598	28837	8	PVC	30
CSS	8/24/17	1301 E CHANDLER AVE	283570	AEP	30094	8	VCP	30
CSS	8/24/17	514 E OLMSTEAD AVE	AEP	283787	14682	8	VCP	150
CSS	8/24/17	401 REIS AVE	AEP	283786	26659	8	VCP	498
CSS	8/24/17	800 SUNSET AVE	283657	283656	30193	15	VCP	380
SSS	8/24/17	401 REIS AVE	283786	281003	30351	8	PVC	7
CSS	8/25/17	418 W MICHINGAN ST	99269	8467	18014	15	VCP	23
CSS	8/25/17	1324 N FIFTH AVE	7676	4484	10021	8	VCP	37
CSS	8/25/17	1322 N FIFTH AVE	AEP	7676	30368	8	VCP	109
CSS	8/26/17	1112 W VIRIGIAN ST	AEP	98737	12395	8	VCP	90
SSS	8/26/17	6601 BAYARD PARK DR	283804	282500	30367	8	RPM	15
CSS	8/28/17	1121 W MICHIGAN ST	98737	283658	19409	12	VCP	151
CSS	8/28/17	2935 MOUNT VERNON AVE	8906	8905	21747	8	VCP	116
SSS	8/28/17	1311 MCDOWELL RD	CO	126702	12239	8	RPM	57
SSS	8/28/17	5400 N HARLAN AVE	9801	9803	13042	8	VCP	404
CSS	8/28/17	1816 N BEDFORD AVE	AEP	283798	17020	12	RCP	205

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	8/28/17	1816 N BEDFORD AVE	283798	ATC	30360	12	RCP	10
CSS	8/30/17	401 E MICHIGAN ST	68943	AWW	6631	8	RPM	115
SSS	8/30/17	5617 NEWBURGH RD	6584	6585	7298	8	RPM	149
SSS	8/30/17	5613 WINTHROP CT	6582	6584	7299	8	RPM	220
CSS	8/30/17	513 HESS AVE	AEP	283566	19639	12	VCP	125
CSS	8/30/17	2200 HAVEN DR	7770	7761	19911	12	VCP	339
CSS	8/30/17	338 LESLIE AVE	AEP	283597	30125	10	VCP	618
SSS	8/31/17	113 MONTCLAIR CT	6020	282742	23542	8	VCP	356
SSS	8/31/17	3101 GRAHAM AVE	9919	2692	6124	8	VCP	403
SSS	8/31/17	2900 POLLACK AVE	2692	9917	7921	8	VCP	13
SSS	8/31/17	515 HILTON CT	13536	13535	13347	8	RPM	355
SSS	8/31/17	17 POLSTER DR	283814	6313	30371	8	VCP	64
SSS	8/31/17	5940 KNIGHT DR	283815	5908	30372	8	RPM	102
SSS	8/31/17	103 POLSTER DR	6315	283814	6739	8	VCP	281
SSS	8/31/17	444 LANT LN	5908	5907	6926	8	RPM	165
SSS	9/5/17	5534 NUNNING RD	AEP	124643	13666	8	UNK	3
SSS	9/5/17	211 NUNNING RD	AEP	124643	13667	8	RPM	14
SSS	9/5/17	1113 N WERNER AVE	AEP	11434	13728	8	VCP	33
CSS	9/5/17	2918 LAKE VIEW BLVD	8242	8230	21534	8	VCP	308
CSS	9/5/17	319 N BELL AVE	283289	ATC	30003	10	VCP	35
CSS	9/5/17	1700 N WELWORTH AVE	4342	4341	9049	8	PVC	354
CSS	9/6/17	420 SE TENTH ST	284047	283898	17271	12	VCP	130
SSS	9/6/17	6301 NEWBURGH RD	6540	6539	24279	8	VCP	133
SSS	9/6/17	3432 HECKEL RD	283451	283452	29999	8	PVC	116
SSS	9/6/17	3434 HECKEL RD	283452	283453	30000	8	PVC	249
CSS	9/6/17	500 SE TENTH ST	283898	282508	30462	12	VCP	184
SSS	9/6/17	1324 S ROYAL AVE	3497	3093	22621	15	RCP	259
SSS	9/6/17	5800 JEFFERSON AVE	AEP	3493	22812	8	VCP	126
SSS	9/6/17	5940 KNIGHT DR	AEP	5908	30373	8	RPM	116
SSS	9/7/17	2023 N WEINBACH AVE	CO	5294	29300	8	PVC	145
CSS	9/7/17	509 E OLMSTEAD AVE	12490	283817	11256	12	VCP	34
CSS	9/7/17	2100 W ILLINOIS ST	AEP	8493	15963	12	VCP	23
CSS	9/7/17	2300 INDIANA ST	281077	283767	26478	10	VCP	405
CSS	9/7/17	509 E OLMSTEAD AVE	283788	12490	30374	8	VCP	34
CSS	9/7/17	7 ADAMS AVE	AEP	282700	5915	8	VCP	94
CSS	9/8/17	2740 W VIRGINIA ST	284034	8184	6394	8	PVC	20

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	9/8/17	911 W MICHIGAN ST	283276	283511	30042	15	VCP	140
CSS	9/8/17	132 HERNDON DR	AEP	283820	30378	8	VCP	61
CSS	9/8/17	213 HERNDON DR	283820	12048	5825	8	VCP	237
CSS	9/9/17	2000 N US HWY 41	12206	12207	19946	12	VCP	337
SSS	9/9/17	4017 E MORGAN AVE	5618	5619	22152	8	VCP	238
SSS	9/9/17	4001 E MORGAN AVE	5619	5620	22153	8	VCP	163
SSS	9/11/17	800 BOEHNE CAMP RD	283923	11477	22284	8	VCP	535
CSS	9/11/17	1100 DIXEY FLYER RD	8320	8321	14693	10	VCP	412
CSS	9/11/17	2785 BROADWAY AVE	8321	8322	14696	8	UNK	155
CSS	9/11/17	1119 MAXWELL AVE	12095	12093	19707	15	VCP	291
CSS	9/11/17	1119 MAWELL AVE	7617	12095	19717	12	VCP	204
SSS	9/12/17	3700 THEATER DR	AEP	5671	24092	10	UNK	7
SSS	9/12/17	20100 N US 41	AEP	125678	29813	10	VCP	2
CSS	9/12/17	630 SUNSET AVE	4877	283657	30194	15	VCP	224
SSS	9/13/17	5610 KRATZVILLE RD	AEP	283922	11891	8	RPM	137
SSS	9/13/17	4112 CORT	11555	11553	13389	8	VCP	171
CSS	9/13/17	2300 N SAINT JOE AVE	8511	ATC	19620	15	UNK	10
CSS	9/13/17	118 N NINTH AVE	282820	ATC	29406	15	VCP	7
SSS	9/13/17	8405 MILLERSBURG RD	AEP	283714	30252	12	PVC	1
SSS	9/13/17	8405 MILLERSBURG RD	AEP	283716	30253	8	PVC	2
SSS	9/13/17	2025 CHICKASAW DR	CO	10602	7775	8	RPM	124
CSS	9/13/17	1618 S GARVIN	283848	283836	17207	12	VCP	313
CSS	9/13/17	1214 JUDSON AVE	AEP	282489	5688	8	VCP	281
CSS	9/14/17	725 SE EIGHTH ST	283351	AEP	29893	8	VCP	12
SSS	9/14/17	401 CHERRY ST	283667	283638	30206	8	PVC	10
SSS	9/14/17	401 CHERRY ST	283666	283667	30207	8	PVC	15
CSS	9/14/17	420 LEWIS AVE	283967	283966	30553	8	VCP	430
CSS	9/14/17	528 LEWIS AVE	283966	7845	5124	8	VCP	364
CSS	9/14/17	1120 W VIRGINIA ST	283658	283335	19411	12	VCP	331
SSS	9/15/17	7416 WREN DR	100031	100030	25991	8	RPM	45
SSS	9/15/17	7416 WREN DR	100030	10520	25992	8	VCP	285
SSS	9/15/17	6116 WEAVER RD	10426	10428	22079	8	VCP	224
SSS	9/15/17	6117 PETERSBURG RD	10428	10429	22080	8	VCP	109
SSS	9/15/17	7216 MONROE AVE	10512	10511	23352	8	VCP	303
SSS	9/15/17	3300 MILLERSBURG RD	AEP	283713	30255	8	PVC	2
SSS	9/15/17	3300 MILLERSBURG RD	AEP	283713	30256	12	PVC	2

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	9/15/17	3300 MILLERSBURG RD	AEP	283624	30257	12	PVC	2
SSS	9/15/17	3300 MILLERSBURG RD	AEP	283626	30258	12	PVC	2
SSS	9/15/17	4208 LINCOLN AVE	CO	6353	6764	8	VCP	98
SSS	9/15/17	1200 FUQUAY RD	CO	10523	7849	8	RCP	41
SSS	9/15/17	8101 NEWBURGH RD	AEP	78942	9012	8	RPM	127
CSS	9/15/17	400 NW 4TH ST	AEP	7875	17557	12	VCP	235
SSS	9/16/17	2522 BEMENT AVE	8291	8283	12381	8	VCP	101
SSS	9/16/17	401 S BOSSE AVE	11244	11242	13404	8	VCP	305
CSS	9/16/17	3332 STOCKER DR	8254	14570	6488	10	VCP	268
SSS	9/16/17	10405 OLD PLANTATION RD	12935	12932	8803	8	RPM	356
SSS	9/16/17	10100 N US HWY 41	12925	12924	9407	8	RPM	393
CSS	9/16/17	1336 N FIRST AVE	1163	1166	15941	15	VCP	305
SSS	9/18/17	1101 SUWANNEE DR	12930	12929	9397	8	RPM	390
CSS	9/19/17	825 CHESNUT ST	AEP	283169	29756	10	PVC	76
SSS	9/19/17	11310 PARK RD	CO	10866	9798	8	VCP	78
CSS	9/19/17	307 E NEGLEY AVE	283867	12241	14664	10	VCP	291
CSS	9/19/17	2524 N GOVERNOR ST	AEP	283867	30428	10	VCP	163
SSS	9/20/17	713 COBBLESTONE DR	CO	14254	11192	8	PVC	43
SSS	9/20/17	5024 HOGUE RD	AEP	11502	13661	8	VCP	6
SSS	9/20/17	730 HESMER RD	AEP	9822	27109	8	PVC	10
SSS	9/20/17	2910 W FRANKLIN ST	283718	283717	30265	8	PVC	15
SSS	9/20/17	2519 N FIRST AVE	283801	283802	30364	8	PVC	79
CSS	9/20/17	923 W OREGON ST	1038	283868	30429	10	VCP	159
CSS	9/20/17	920 W MISSOURI ST	283868	1037	6226	10	VCP	163
SSS	9/21/17	7408 WREN DR	10514	100030	23351	8	VCP	88
CSS	9/21/17	714 N THENTH AVE	283796	ATC	30358	12	VCP	10
CSS	9/21/17	1100 E LOUISIANNA ST	11761	283157	5219	8	VCP	153
CSS	9/21/17	515 E MULBERRY ST	AEP	15899	5717	10	VCP	60
CSS	9/21/17	221 N FULTON AVE	283874	283773	6325	10	VCP	225
CSS	9/22/17	3016 CLAREMONT AVE	65498	8408	18197	12	VCP	222
SSS	9/22/17	10900 BROWNING RD	CO	12942	29106	8	RPM	145
CSS	9/22/17	2329 N ST JOE AVE	283767	ATC	30324	10	UNK	25
SSS	9/22/17	10300 WILMINGTON DR	12952	12954	8809	8	RPM	138
SSS	9/22/17	4008 WESTERN AVE	11426	ATC	30455	8	VCP	14
CSS	9/22/17	815 S ROTHERWOOD AVE	AEP	15628	6561	8	VCP	87
CSS	9/23/17	1613 HERCULES AVE	5312	5313	24379	12	VCP	282

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	9/25/17	300 S WERNER AVE	AEP	11260	13421	8	VCP	142
SSS	9/25/17	607 S WERNER AVE	CO	11188	13442	8	VCP	185
CSS	9/25/17	1206 MACARTHUR DR	AEP	283897	14560	8	VCP	66
SSS	9/25/17	8128 ALDER RDG	14859	14857	15352	8	RPM	382
SSS	9/25/17	903 S BOSSE AVE	11163	11159	23571	10	RPM	148
CSS	9/25/17	319 E FRANKLIN ST	283912	4294	30476	12	VCP	342
CSS	9/25/17	319 E FRANKLIN ST	AEP	283912	17296	12	VCP	271
CSS	9/25/17	201 N FULTON AVE	1227	283874	30434	8	VCP	187
CSS	9/25/17	107 N FULTON AVE	AEP	1227	6323	8	VCP	162
SSS	9/26/17	3022 WIMBERG AVE	8261	8262	11401	8	VCP	73
SSS	9/26/17	3019 HARTIG AVE	14590	14594	22447	8	VCP	258
SSS	9/26/17	3723 STRINGTOWN RD	CO	281143	28915	8	VCP	129
CSS	9/26/17	3021 W FRANKLIN ST	AEP	64433	21742	8	VCP	277
SSS	9/27/17	1838 COLONNADE CT	CO	77918	12811	8	PVC	81
SSS	9/27/17	1657 GLENMOOR RD	2980	283917	21647	8	VCP	245
SSS	9/27/17	1657 GLENMOOR RD	283917	283918	30480	8	PVC	50
SSS	9/27/17	6500 COVERT AVE	283918	ATC	30481	8	PVC	33
SSS	9/27/17	3700 HOGUE RD	11276	11275	13359	8	VCP	445
SSS	9/27/17	3701 HOGUE RD	11284	11276	13360	8	VCP	268
SSS	9/27/17	22 N ELM AVE	11279	11235	21497	8	VCP	403
SSS	9/28/17	8407 LARCH LN	122177	127178	12291	8	VCP	577
SSS	9/28/17	11001 SEIB RD	AEP	283740	30286	8	PVC	2
CSS	9/28/17	512 S GRAND AVE	7614	283896	12870	8	VCP	16
CSS	9/28/17	1101 W ILLINOIS ST	AEP	1234	12886	8	VCP	271
CSS	9/28/17	311 MADISON AVE	282489	ATC	29051	8	VCP	110
CSS	9/28/17	535 S KENTUCKY AVE	AEP	7614	30460	8	VCP	222
SSS	9/29/17	1325 BRIDGEVIEW DR	AEP	14903	14050	8	RPM	245
CSS	9/29/17	2505 ADAMS AVE	AEP	283897	14557	8	VCP	368
SSS	9/29/17	5550 E VIRGINIA ST	283052	6048	29633	8	RPM	287
CSS	9/29/17	701 E CHANDLER AVE	15762	15761	5722	10	VCP	689
CSS	9/30/17	300 COURT ST	283643	ATC	30182	8	VCP	32
SSS	10/3/17	1209 E BASLINE RD	13277	13276	10256	8	RPM	405
SSS	10/3/17	1209 BASELINE RD	13278	13277	10257	8	RPM	404
SSS	10/3/17	1209 E BASELINE RD	13279	13278	10258	8	RPM	402
SSS	10/3/17	15511 AJ DR	13281	13280	10260	8	PVC	61
SSS	10/3/17	6405 LINCOLN AVE	5862	5861	7368	8	RPM	60

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	10/4/17	5800 WHITETHORNE DR	9323	10625	10056	8	VCP	499
SSS	10/4/17	5901 PETERSBURG RD	AEP	10421	22084	8	VCP	181
CSS	10/4/17	210 N MORTON AVE	AEP	15810	17097	12	VCP	32
CSS	10/4/17	102 LESLIE AVE	8799	8798	21838	8	VCP	238
SSS	10/4/17	3001 W FRANKLIN ST	282513	4037	29068	8	VCP	39
CSS	10/5/17	101 N GARVIN ST	11607	11611	17087	12	VCP	313
SSS	10/5/17	1512 MACARTHUR DR	99598	3440	23817	8	VCP	48
SSS	10/5/17	205 S BOSSE AVE	CO	11265	29838	8	RPM	125
CSS	10/6/17	225 OAK ST	AEP	283955	12365	10	VCP	104
CSS	10/6/17	515 SYCAMORE ST	AEP	283198	17552	12	VCP	202
CSS	10/6/17	225 OAK ST	283955	ATC	30536	10	VCP	20
SSS	10/6/17	815 N BOEHNE CAMP RD	133658	133661	13799	8	VCP	94
SSS	10/6/17	800 N BOEHNE CAMP RD	133659	283837	13800	8	VCP	73
SSS	10/6/17	800 N BOEHNE CAMP RD	AEP	133659	13801	8	VCP	34
SSS	10/6/17	800 BOEHNE CAMP RD	283837	133658	22278	8	VCP	124
CSS	10/6/17	221 WEDEKING AVE	283951	283952	30531	15	VCP	94
SSS	10/9/17	2413 MACARTHUR DR	3430	283928	23896	10	VCP	114
CSS	10/10/17	601 SE MARTIN LUTHER KING JR BLVD	9402	283954	17479	12	VCP	180
CSS	10/10/17	614 SE SIXTH ST	283954	284018	30534	12	VCP	184
CSS	10/10/17	614 SE SIXTH ST	284018	ATC	30621	12	VCP	12
CSS	10/10/17	1660 SOUTHEAST BLVD	AEP	15628	6560	10	VCP	136
SSS	10/10/17	6801 PETERSBURG RD	AEP	10904	13137	10	VCP	274
SSS	10/10/17	1116 N WERNER AVE	283927	127989	30502	8	PVC	150
CSS	10/10/17	817 E VIRGINA ST	AEP	15824	5625	8	VCP	29
CSS	10/11/17	109 NW RIVERSIDE DR	7971	7972	17535	15	VCP	306
SSS	10/11/17	3212 S NORMAN AVE	2347	283957	21579	8	VCP	129
SSS	10/11/17	7600 TAYLOR AVE	10594	10593	23348	8	VCP	124
SSS	10/11/17	1545 N BARKER AVE	283959	281131	26762	8	VCP	151
SSS	10/11/17	7600 TAYLOR AVE	AEP	10594	30540	8	VCP	73
CSS	10/12/17	1925 OHIO ST	8436	8434	16777	15	RCP	241
CSS	10/12/17	3304 MOUNT VERNON AVE	8912	8910	21591	8	VCP	123
CSS	10/12/17	101 E INDIANA ST	CO	5029	5627	8	VCP	88
SSS	10/12/17	2407 JACKSON AVE	283928	3443	23898	10	VCP	93
CSS	10/13/17	21 S E THIRD ST	283929	ATC	22871	12	RCP	54
CSS	10/13/17	21 S E THIRD ST	7936	283929	30505	12	RCP	120
CSS	10/13/17	21 S E THIRD ST	283929	ATC	30518	8	CAS	55

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	10/13/17	25550 STANLEY PL	AEP	283948	30529	8	VCP	60
CSS	10/13/17	21 S E THIRD ST	7936	283929	6026	8	CAS	109
SSS	10/16/17	800 BOEHNE CAMP RD	11476	283923	30489	8	VCP	161
SSS	10/16/17	2626 MEADOW LARK LN	281901	129352	30503	8	VCP	183
SSS	10/16/17	2618 CAREN DR	128323	11331	30517	8	RPM	295
CSS	10/17/17	2ND AND OAK ST	283250	283940	11652	10	VCP	138
CSS	10/17/17	SE 2ND AND OAK ST	283940	ATC	30516	10	VCP	43
CSS	10/17/17	2128 STRINGTOWN RD	283887	12061	30448	10	VCP	45
SSS	10/17/17	30001 W VIRGINIA ST	AEP	64437	30546	8	VCP	39
SSS	10/18/17	1941 ALLISON DR	14997	14996	13267	8	PVC	332
CSS	10/18/17	2567-71 STANLEY PL	283947	15730	14655	8	VCP	203
CSS	10/18/17	2128 STRINGTOWN RD	AEP	283887	5425	10	VCP	108
SSS	10/18/17	1602 S MORTON AVE	AEP	283848	30405	10	VCP	132
CSS	10/19/17	711 STANLEY AVE	AEP	12283	19816	10	VCP	98
CSS	10/19/17	711 STANLEY AVE	AEP	12283	19817	10	VCP	131
CSS	10/20/17	724 WESSEL LN	283950	8074	14691	8	VCP	332
SSS	10/20/17	106 W LLOYD EXPY	11210	11209	23766	15	VCP	260
CSS	10/20/17	1110 E NEGLEY AVE	12389	12390	5489	12	VCP	210
CSS	10/21/17	514 OAKLEY ST	1212	1214	12894	10	VCP	336
CSS	10/21/17	511 OAKLEY ST	283299	ATC	29844	10	VCP	23
CSS	10/23/17	N US HWY 41	12209	12208	14881	10	VCP	265
CSS	10/23/17	2330 N US HWY 41	12210	12209	14882	10	VCP	305
SSS	10/23/17	3900 S SCHAEFFER AVE	11150	11292	23559	8	VCP	326
SSS	10/23/17	2505 TAYLOR AVE	3435	3436	23907	8	VCP	251
CSS	10/23/17	550 SCHRADER DR	283618	65501	6445	8	VCP	128
CSS	10/23/17	3 RICHARDT AVE	CO	281964	30137	8	VCP	81
CSS	10/24/17	1711 EWING AVE	2208	2209	12422	8	VCP	330
CSS	10/24/17	1834 GLENDALE AVE	AEP	2387	12466	8	VCP	46
CSS	10/24/17	1618 S GARVIN ST	283563	ATC	30396	12	VCP	23
SSS	10/24/17	1609 S MORTON AVE	AEP	283848	30406	10	VCP	356
SSS	10/25/17	4005 W COLUMBIA ST	11602	281182	23776	8	VCP	349
CSS	10/25/17	1508 MARSHALL AVE	AEP	282328	5092	8	VCP	63
SSS	10/25/17	2501 SWINGINGWAY CT	12561	12564	8662	8	RPM	113
SSS	10/26/17	2626 MEADOW LARK LN	129351	129352	13855	8	VCP	224
CSS	10/26/17	913 SE THIRD ST	AEP	282699	18984	8	VCP	345
SSS	10/26/17	5001 SHADY COURT	AEP	11304	29344	8	VCP	306

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	10/26/17	11 N W FIFTH ST	284020	283961	5997	8	VCP	205
SSS	10/27/17	2404 POLLACK AVE	3987	3986	14739	8	VCP	318
CSS	10/27/17	7 ADAMS AVE	AEP	282700	30433	8	VCP	32
SSS	10/27/17	4709 SHADY CT	14657	14658	13489	8	RPM	222
CSS	10/27/17	326 TAYLOR AVE	283099	ATC	29691	10	VCP	21
CSS	10/28/17	537 S ROTHERWOOD AVE	283965	15654	30551	15	VCP	150
CSS	10/28/17	537 S ROTHERWOOD AVE	7857	283965	18179	15	VCP	242
SSS	10/30/17	2820 SOUTHEAST BLVD	283993	9874	30587	10	VCP	199
SSS	10/30/17	2017 S BOEKE RD	AEP	67495	6529	8	VCP	35
SSS	10/30/17	2814 SOUTHEAST BLVD	4030	283993	6648	10	VCP	61
CSS	10/30/17	2822 W VIRGINIA ST	AEP	8186	6395	10	VCP	167
SSS	10/31/17	1202 S ROOSEVELT DR	3289	283974	14558	8	VCP	423
CSS	10/31/17	2537 2539 ADAMS AVE	283974	283108	14570	8	VCP	400
CSS	10/31/17	WEDEKING AVE BETWEEN HAVEN AND H	7760	7761	19925	12	VCP	331
CSS	10/31/17	636 MONROE AVE	AEP	15974	11023	10	VCP	147
CSS	11/1/17	411 MAIN ST	7942	AEP	6031	8	VCP	92
CSS	11/1/17	22 LOCUST ST	AEP	283850	6052	8	VCP	147
CSS	11/2/17	1300 WASHINGTON AVE	280958	283956	19535	12	VCP	279
CSS	11/2/17	9001 S HARLAN AVE	283956	ATC	30537	12	VCP	8
CSS	11/3/17	763 WASHINGTON AVE	AEP	1850	11009	10	VCP	147
CSS	11/3/17	4982 TIPPECANOE DR	283978	6271	30568	8	VCP	85
SSS	11/4/17	410 CHERRY ST	283968	283969	30555	12	PVC	80
SSS	11/4/17	410 CHERRY ST	283969	283970	30556	12	PVC	78
SSS	11/4/17	410 CHERRY ST	283970	12555	30557	12	PVC	112
SSS	11/6/17	424 MAIN ST	AEP	8000	30569	15	RCP	52
SSS	11/7/17	7426 WREN DR	10519	10520	14733	8	VCP	109
SSS	11/7/17	4201 HOGUE RD	11553	11554	15590	15	VCP	140
SSS	11/7/17	1501 N BURKHARDT RD	AEP	283760	30314	8	PVC	10
CSS	11/7/17	320 SE RIVERSIDE DR	8011	7998	5949	8	VCP	289
SSS	11/7/17	1302 SE FIRST ST	283962	1552	30548	8	PVC	12
SSS	11/7/17	1302 SE FIRST ST	283963	283962	30549	8	PVC	248
SSS	11/8/17	806 HARMONY WAY	AEP	8924	24501	8	VCP	205
CSS	11/8/17	1202 E TENNESSEE ST	283476	ATC	30027	10	VCP	26
SSS	11/8/17	4920 LINCOLN AVE	AEP	283821	30381	8	PVC	2
SSS	11/8/17	5801 POLO RUN S	14248	14239	8975	8	PVC	216
CSS	11/9/17	119 N MORTON AVE	15813	283971	19268	15	VCP	288

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	11/9/17	2601 ADAMS AVE	283162	ATC	29752	8	VCP	3
SSS	11/9/17	5200 E VIRGINIA ST	AEP	283876	30437	8	PVC	2
CSS	11/9/17	1019 N VILLA DR	2080	2079	6311	8	VCP	254
SSS	11/9/17	704 S CULLEN AVE	AEP	6454	7285	8	VCP	68
SSS	11/10/17	300 310 MAIN ST	283816	7960	30376	8	PVC	13
SSS	11/10/17	300 310 MAIN ST	7960	ATC	30377	8	PVC	15
CSS	11/15/17	318 WEDEKING AVE	283321	283591	17418	15	VCP	357
CSS	11/16/17	2027 VOGEL RD	5673	AEP	19502	15	VCP	236
SSS	11/16/17	1515 TAYLOR AVE	AEP	3434	23826	10	VCP	90
CSS	11/16/17	2151 VOGEL RD	5673	284010	26529	15	VCP	554
CSS	11/16/17	2117 VOGEL RD	284010	283180	30609	15	VCP	23
CSS	11/16/17	21 NW SECOND ST	8033	ATC	6040	8	DIP	20
CSS	11/17/17	310 N SAINT JOSEPH AVE	AEP	283979	30140	10	VCP	89
SSS	11/17/17	1613 SHELBY AVE	AEP	284066	30677	8	VCP	12
CSS	11/17/17	959 TAYLOR AVE	284012	15984	30613	8	VCP	6
CSS	11/17/17	959 TAYLOR AVE	AEP	284012	5665	8	VCP	106
CSS	11/20/17	2601 N KENTUCKY AVE	AEP	12421	19796	8	VCP	120
CSS	11/20/17	701 OAKLEY ST	AEP	1215	6268	8	VCP	73
CSS	11/20/17	423 SE THIRD ST	284013	ATC	30614	8	VCP	10
CSS	11/20/17	423 SE THIRD ST	AEP	284013	5952	8	VCP	230
CSS	11/21/17	409 GARFIELD AVE	283851	ATC	30410	8	PVC	2
CSS	11/22/17	1810 W PENNSYLVANIA	8432	8430	14768	10	RCP	528
SSS	11/27/17	300 BASELINE RD	90157	37624	10501	10	VCP	60
SSS	11/27/17	1119 SCHOENFIELD AVE	AEP	8236	21529	8	VCP	26
SSS	11/27/17	5131 MUSTANG DR	283611	283612	30147	8	PVC	135
SSS	11/27/17	5121 MUSTANG DR	283612	283614	30148	8	PVC	308
SSS	11/27/17	4915 MUSTANG DR	283614	283615	30149	8	PVC	408
SSS	11/27/17	4915 MUSTANG DR	283615	283469	30150	8	PVC	211
CSS	11/29/17	1102 W TENNESSEE ST	284025	283505	12761	8	VCP	204
SSS	11/29/17	1400 BREEZY GREEK DR	283223	280578	26044	8	PVC	148
CSS	11/29/17	700 N BARKER AVE	284014	8170	22221	8	VCP	78
SSS	11/29/17	6651 KRATZVILLE RD	124550	281058	26741	8	RPM	216
SSS	11/29/17	3801 WILLOW BEND DR	CO	14405	26787	8	RPM	19
SSS	11/29/17	7522 BLACKBERRY HL	283941	280576	30519	8	PVC	92
CSS	11/29/17	700 N BARKER AVE	8175	284014	30618	8	VCP	308
CSS	11/30/17	1550 W MORGAN AVE	1184	283972	17701	15	VCP	262

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	11/30/17	1710 W MARYLAND ST	4516	4511	19932	15	VCP	33
CSS	11/30/17	1710 W MARYLAND ST	4511	4517	19933	15	VCP	137
CSS	11/30/17	1550 W MORGAN AVE	283972	ATC	30559	15	VCP	22
CSS	11/30/17	2706 W VIRGINIA ST	AEP	CB	19479	15	VCP	230
CSS	12/1/17	909 N ST JOSEPH AVE	8131	ATC	18198	12	VCP	220
CSS	12/2/17	2760 W FRANKLIN ST	64434	284016	30619	15	VCP	239
CSS	12/2/17	2760 W FRANKLIN ST	284016	8696	18963	15	VCP	350
CSS	12/2/17	1113 CEDAR ST	AEP	4555	5298	8	VCP	308
CSS	12/4/17	216 SYCAMORE ST	7932	ATC	17498	12	VCP	135
CSS	12/4/17	509 N BARKER AVE	8187	283568	16253	10	VCP	317
CSS	12/5/17	411 LOCUST ST	283850	ATC	30409	8	VCP	38
SSS	12/5/17	1145 E POWELL AVE	283977	284030	30567	12	PVC	162
SSS	12/5/17	1144 E BLACKFORD AVE	284030	280958	30631	8	PVC	87
CSS	12/5/17	600 HESS AVE	AEP	8079	6339	12	VCP	299
CSS	12/6/17	1920 W VIRGINIA ST	AEP	99267	10028	8	VCP	120
CSS	12/7/17	209 CHESTNUT ST	284036	ATC	20346	10	VCP	87
CSS	12/7/17	917 N SAINT JOE AVE	99125	8131	18199	10	VCP	367
CSS	12/7/17	E VIRGINIA ST & N KENTUCKY AVE	283142	15830	29730	12	VCP	258
SSS	12/8/17	917 N SAINT JOSEPH AVE	AEP	284021	30625	8	VCP	67
CSS	12/8/17	2430 W FRANKLIN ST	283811	99237	10025	10	VCP	232
SSS	12/11/17	1222 E RIVERSIDE DR	AEP	50135	12638	8	RCP	126
SSS	12/11/17	2451 TAYLOR AVE	AEP	3435	23908	8	VCP	92
SSS	12/11/17	2910 W FRANKLIN ST	AEP	283717	30264	8	VCP	99
CSS	12/12/17	300 N BARKER AVE	284026	8156	30630	12	VCP	611
SSS	12/14/17	2907 SPRING VALLEY AVE	AEP	8268	11394	8	VCP	57
SSS	12/14/17	2716 RAY BECKER PKWY	8733	8386	14877	8	VCP	372
CSS	12/18/17	2209 BELLEMEADE AVE	284039	284038	19498	15	VCP	42
SSS	12/19/17	200 SE SECOND ST	AEP	284048	30647	8	VCP	35
CSS	12/19/17	2209 BELLEMEADE AVE	284038	ATC	11075	12	VCP	298
CSS	12/20/17	1908 E VIRGINIA ST	5497	5496	24178	10	RPM	249
CSS	12/21/17	1032 E MULBERRY ST	AEP	15711	5115	8	VCP	118
SSS	1/8/18	7101 E REDWING DR	284058	CO	7621	8	VCP	218
SSS	1/9/18	7005 E REDWING DR	CO	CO	7620	8	VCP	84
CSS	1/9/18	2806 MOUNT VERNON AVE	283568	ATC	30091	10	VCP	25
CSS	1/9/18	810 W FRANKLIN ST	284055	ATC	30658	10	VCP	56
SSS	1/10/18	7005 RED WING DR	CO	10500	7619	8	VCP	107

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	1/10/18	1461 AUDUBON DR	AEP	10503	7622	8	VCP	65
CSS	1/10/18	401 N GOVERNOR ST	AEP	4296	5758	10	VCP	95
SSS	1/11/18	6651 KRATZVILLE RD	CO	124550	30259	8	RPM	128
CSS	1/11/18	2751 W FRANKLIN ST	284056	63892	19329	12	VCP	605
CSS	1/11/18	2502 W FRANKLIN ST	283785	99237	30350	10	VCP	421
SSS	1/11/18	415 N BARKER AVE	AEP	284056	30660	10	VCP	160
SSS	1/18/18	2007 MCLEOD CT	AEP	9882	6126	8	VCP	72
SSS	1/19/18	5020 UPPER MOUNT VERNON	11383	138991	15666	12	RCP	282
CSS	1/19/18	101 COURT ST	284063	ATC	5994	10	VCP	227
CSS	1/19/18	19 NW FOURTH ST	7956	ATC	6004	10	VCP	173
SSS	1/22/18	1817 VAN BIBBER AVE	284065	2350	30676	8	VCP	49
SSS	1/22/18	1609 SHELBY AVE	284066	2358	20430	8	VCP	169
SSS	1/22/18	1809 VAN BIBBER AVE	2349	284065	20437	8	VCP	366
CSS	1/23/18	2301 VOGEL RD	5675	284060	16260	15	VCP	433
CSS	1/23/18	2315 VOGEL RD	284606	2095	30667	15	VCP	13
CSS	1/25/18	517 HELFRICH LN	284067	281089	26503	8	VCP	566
CSS	1/26/18	2300 VOGEL RD	170848	284059	23508	10	VCP	382
CSS	1/26/18	2300 VOGEL RD	284059	2095	30668	10	VCP	18
CSS Total Inspected (ft)								78,634
SSS Total Inspected (ft)								49,344
Total 8" to 15" Diameter Pipes Inspected (ft) *								127,978

* Total includes 4544 ft of CSS 3239 ft of SSS inspections that were not submitted in previous SARs

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	5/21/16	6606 WHETSTONE	12738	12737	8814	8	PVC	308
SSS	5/21/16	6433 PINE VIEW CT	12737	12736	8813	8	PVC	408
SSS	5/23/16	8610 TALBOT DR	CO	15369	8510	8	PVC	211
SSS	5/25/16	11940 BRIDLEWOOD DR	15261	13245	10131	8	PVC	176
SSS	5/25/16	12040 BRIDLEWOOD DR	13245	13244	10130	8	PVC	402
SSS	5/25/16	3700 HARTFORD PL	CO	15487	9290	8	PVC	148
CSS	8/25/16	422 S GARVIN ST	9418	283853	30412	15	VCP	12
CSS	8/25/16	422 S GARVIN ST	283853	15834	19013	15	VCP	101
CSS	3/13/17	1552 ENLOW AVE	7749	7785	18353	12	VCP	353
CSS	3/15/17	2711 NEW YORK AVE	12380	12378	14588	10	VCP	433
CSS	3/29/17	500 STANLEY AVE	AEP	12347	16999	10	VCP	365
CSS	4/17/17	606 OAKLEY ST	283299	1216	17861	15	VCP	304
CSS	6/19/17	1000 READ ST	1158	1118	15937	15	VCP	340
CSS	6/26/17	1301 N SECOND AVE	1160	283797	16239	12	VCP	346
CSS	6/28/17	1710 W LOUISIANA ST	284024	4498	30629	10	VCP	190
CSS	6/28/17	1710 W LOUISIANA ST	4497	284024	6291	10	VCP	170
CSS	7/11/17	920 N GOVERNOR ST	4974	283445	17338	12	VCP	334
CSS	7/11/17	820 E MARYLAND ST	4976	4974	17350	12	VCP	163
CSS	7/11/17	821 E MARYLAND ST	4984	4979	17351	12	VCP	297
CSS	7/11/17	919 N GOVERNOR ST	4979	283382	17352	12	VCP	333
CSS	7/11/17	401 STRINGTOWN RD	4957	4964	17353	12	VCP	540
CSS	7/11/17	220 E OREGON ST	4987	4940	17354	12	VCP	243
CSS	7/11/17	1125 W FLORIDA ST	1106	283514	17795	12	VCP	347
CSS	7/11/17	217 E OREGON ST	4936	283379	5795	10	VCP	293
CSS	7/11/17	816 N GOVERNOR ST	4977	4976	5798	10	VCP	122
CSS	7/11/17	813 N LAFAYETTE AVE	4975	4976	5805	10	VCP	132
CSS	7/12/17	26 N ELSAS AVE	280998	283196	26653	15	VCP	120
CSS	7/12/17	117 E COLUMBIA ST	7730	283371	5766	10	PVC	273
CSS	7/14/17	922 N GARVIN ST	281707	4983	17032	12	VCP	634
SSS	7/18/17	6418 N FIRST AVE	124546	10707	10764	8	PVC	143
SSS	7/18/17	5221 SHERBROOKE RD	283536	9223	30067	8	PVC	10
CSS	7/19/17	700 BELLEMEADE AVE	15884	283512	17215	12	VCP	321
SSS	7/19/17	6110 PEBBLESTONE CT	CO	283102	29694	8	RPM	81
SSS	7/19/17	6110 PEBBLESTONE DR	CO	283102	29695	8	RPM	133
SSS	7/20/17	1440 BREEZYCREEK DR	283539	283540	30068	8	PVC	209
SSS	7/20/17	1440 BREEZYCREEK DR	283540	283541	30069	8	PVC	269

TABLE 7-6

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	7/20/17	1450 BREEZTCREEK DR	283541	280577	30070	8	PVC	81
SSS	7/20/17	7532 BREEZCREEK DR	283542	283543	30071	8	PVC	110
SSS	7/20/17	1401 BREEZY CREEK DR	283543	283223	30072	8	PVC	344
SSS	7/20/17	1132BREEZCREEK DR	283544	283223	30073	8	PVC	182
CSS	7/27/17	219 NW NINTH ST	AEP	7915	5974	8	VCP	122
CSS	7/27/17	601 SE SIXTH ST	283307	7930	5976	10	VCP	211
CSS	7/27/17	107 READ ST	AEP	1283	6144	10	VCP	102
SSS	7/28/17	2515 E RIVERSIDE DR	2634	282476	29038	8	VCP	43
CSS	7/28/17	102 SE FIRST ST	4873	7933	5947	8	XXX	102
CSS	7/28/17	213 NW EIGHTH ST	7912	ATC	5990	10	VCP	282
CSS	8/1/17	GROVE AND MARYLAND ST	7689	7872	16695	15	VCP	17
SSS	8/4/17	2511 N FIRST AVE	283802	9135	30365	8	PVC	377
CSS	8/8/17	1704 S ELLIOTT ST	284017	ATC	30620	15	VCP	16
CSS	8/8/17	1421 CULVER DR	2442	2430	11070	10	VCP	223
CSS	8/8/17	1601 S LINWOOD AVE	2479	2478	18471	12	VCP	282
CSS	8/8/17	1704 S ELLIOTT ST	2464	ATC	18480	15	VCP	229
CSS	8/8/17	1722 S ELLIOTT ST	2463	2464	19518	12	VCP	308
CSS	8/8/17	1420 HOWARD ST	2444	2442	5931	10	VCP	141
SSS	8/9/17	2615 N KENTUCKY AVE	170754	12378	23461	10	VCP	18
CSS	8/10/17	601 E CHANDLER AVE	15764	15761	18080	15	VCP	164
CSS	8/12/17	1101 TAYLOR AVE	1914	1920	17169	12	VCP	150
CSS	8/12/17	1100 JEFFERSON AVE	1648	1649	17179	15	VCP	301
SSS	8/12/17	1128 RAVENSWOOD DR	283779	280955	26710	8	VCP	74
CSS	8/12/17	1200 LINCOLN AVE	282096	7840	28650	15	UNK	36
SSS	8/12/17	1155 S DEXTER AVE	283316	283315	29852	8	PVC	78
SSS	8/14/17	1650 KOCH AVE	AEP	283004	12623	8	XXX	165
SSS	8/14/17	2609 RAVENSWOOD DR	3425	3424	23901	8	VCP	150
SSS	8/14/17	1408 S VILLA DR	283318	281733	29857	8	PVC	337
SSS	8/15/17	1223 E RIVERSIDE DR	50135	50134	23157	8	XXX	15
CSS	8/15/17	1223 E RIVERSIDE DR	50133	50134	23158	8	XXX	16
CSS	8/15/17	501 S GARVIN ST	9445	9446	5641	10	VCP	289
SSS	8/16/17	2128 N FIRST AVE	5025	AWW	28428	8	RPM	25
SSS	8/16/17	930 STELLER DR	280697	AWW	26181	8	PVC	8
CSS	8/17/17	1800 W MARYLAND ST	37371	7687	19930	15	XXX	45
CSS	8/17/17	738 W COLUMBIA ST	8177	8174	22149	8	VCP	343
CSS	8/17/17	3000 W DELAWARE ST	8170	8166	22224	8	XXX	337

TABLE 7-6

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	8/17/17	3013 W DELAWARE ST	8166	8163	22228	8	VCP	270
SSS	8/17/17	1212 N SEVENTH AVE	283781	283526	30342	10	PVC	10
CSS	8/17/17	3013 W DELAWARE ST	8166	8163	30636	8	VCP	30
CSS	8/17/17	200 WALNUT ST	9431	9430	5734	10	VCP	205
CSS	8/17/17	23 N ELSAS AVE	4316	283498	5750	10	VCP	253
SSS	8/21/17	28 S BRENTWOOD DR	281975	6000	28559	8	XXX	54
SSS	8/21/17	129 SCONGRESS AVE	6335	6334	6722	8	VCP	372
SSS	8/21/17	240 LANT LN	5932	5933	6939	8	XXX	100
CSS	8/22/17	2605 ADAMS AVE	283163	283162	14563	8	VCP	305
SSS	8/22/17	1543 MACARTHUR DR	53447	3427	23905	8	VCP	270
SSS	8/22/17	3404 LANDER DR	170586	170587	24826	8	PVC	283
SSS	8/22/17	329 EUCLID DR	6325	6324	6744	8	VCP	365
SSS	8/23/17	8419 HOLLY CT	10347	10351	11933	8	VCP	149
SSS	8/23/17	8301 BERRY DR	127160	127157	12170	8	VCP	245
SSS	8/23/17	805 REDBUD LANE	127222	10346	12329	8	VCP	205
SSS	8/23/17	8008 PINE CREEK DR	127230	127229	12549	8	RPM	86
SSS	8/23/17	205 FERNWOOD DR	CO	58394	22042	8	XXX	148
SSS	8/24/17	1225 RICHLAND AVE	9856	9857	10452	12	VCP	141
SSS	8/24/17	4414 STRINGTOWN RD	9591	89047	12935	8	VCP	349
SSS	8/24/17	VILLAGE CT	16277	16278	21656	8	VCP	186
SSS	8/24/17	800 E MILL RD	9649	9650	21680	10	VCP	281
SSS	8/24/17	36 OAKMEADOW	16309	16308	21767	8	XXX	302
SSS	8/24/17	42 OAK MDW	16314	16312	21772	8	XXX	367
SSS	8/24/17	20 OAKMEADOW #3	16317	AWW	21775	8	PVC	149
SSS	8/24/17	6100 WEAVER RD	10427	10426	22075	8	VCP	70
SSS	8/24/17	136 LANT LN	5935	13865	6940	8	XXX	326
CSS	8/26/17	1280 E MORGAN AVE	12164	283523	30053	15	VCP	242
SSS	8/28/17	7514 STRAWBERRY HILL RD	CO	10806	26129	10	RPM	215
SSS	8/28/17	18505 CAMBRIDGE VILLAGE DR	281856	281857	28424	8	PVC	175
SSS	8/29/17	517 WILSON SQUARE	CO	7254	24341	8	VCP	114
SSS	8/29/17	205 THOMSAN AVE	5933	5935	6935	8	UNK	326
SSS	8/30/17	10 LINCOLNWOOD DR	5886	5885	5064	8	VCP	64
SSS	9/6/17	2609 MAGNOLIA DR	137647	129354	13860	8	VCP	57
SSS	9/6/17	1506 HALSEY AVE	14631	14630	14167	8	RPM	180
CSS	9/6/17	651 SCHRADER DR	65502	65504	17778	8	VCP	208
SSS	9/6/17	1100 N HELFRICH AVE	CO	128000	23179	8	VCP	174

TABLE 7-6

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	9/6/17	311 S WOODS AVE	11233	11228	23858	8	VCP	376
SSS	9/6/17	301 ZIEGLER AVE	11232	11231	23861	8	VCP	300
SSS	9/7/17	3900 UPPER MOUNT VERNON RD	11585	11584	13375	8	VCP	310
SSS	9/7/17	3615 HECKEL RD	283453	282651	30001	8	PVC	93
SSS	9/8/17	2518 BEMENT AVE	8282	8281	12379	8	VCP	138
SSS	9/8/17	5100 BELLEMEADE AVE	6439	283942	21695	8	RPM	231
SSS	9/8/17	2828 FOREST AVE	283477	282279	28859	10	VCP	74
CSS	9/11/17	828 SUNSET AVE	283656	1568	17466	15	VCP	374
CSS	9/11/17	3001 W FRANKLIN ST	283717	8304	6388	8	XXX	156
CSS	9/12/17	907 VARNER ST	8927	8918	19698	8	VCP	136
SSS	9/12/17	1717 SAINT JOSEPH AVE	8278	8277	23079	8	VCP	289
CSS	9/13/17	315 REIS AVE	12004	12005	17398	12	VCP	100
CSS	9/13/17	15 NW THIRD ST	AEP	7961	6078	12	VCP	57
SSS	9/15/17	615 W VIRGINIA ST	283854	1348	30413	8	PVC	105
CSS	9/18/17	US HWY 41 NORTH	12205	12206	19947	12	VCP	318
SSS	9/18/17	6406 ALAMEDA DR	90201	281048	26730	8	VCP	109
CSS	9/20/17	609 N NORMAN AVE	11827	5495	18372	12	VCP	325
SSS	9/20/17	115 S HARLAN AVE	11849	283465	30017	8	PVC	323
CSS	9/21/17	400 E MICHIGAN ST	11617	283567	17088	12	PVC	120
CSS	9/21/17	658 E MICHIGAN ST	283567	ATC	30090	12	PVC	16
SSS	9/22/17	601 JOBES LN	14706	14707	14031	8	PVC	143
CSS	9/28/17	1100INDEPENDENCE AVE	99583	1703	11030	8	UNK	92
CSS	9/28/17	3501 E 3701 DIVISION ST	51373	6380	12804	8	PVC	90
CSS	9/28/17	2401 WASHINGTON AVE	279865	283556	30083	8	VCP	15
SSS	9/29/17	925 N HELFRICH AVE	11603	11445	23780	8	VCP	421
SSS	10/6/17	331 S CULLEN AVE	6064	6076	22790	8	VCP	425
CSS	10/6/17	1802 S KENTUCKY AVE	50169	ATC	5086	8	UNK	361
SSS	10/9/17	812 LOHOFF AVE	AEP	9061	14742	8	VCP	280
CSS	10/9/17	1407 S WILLOW RD	15673	15669	16804	15	VCP	535
CSS	10/9/17	200 N HEIDELBACH AVE	4294	4304	17289	12	VCP	325
SSS	10/11/17	1116 N WERNER AVE	AEP	283927	30501	8	VCP	200
CSS	10/16/17	2412 W FRANKLIN ST	283810	283811	30369	10	VCP	90
CSS	10/16/17	2806 W Virginia St	8185	284034	5545	8	VCP	113
SSS	10/18/17	223 LADONNA BLVD	90190	90193	13062	8	VCP	177
SSS	10/18/17	7801 SR 57	282912	11113	29496	10	CAS	340
SSS	10/18/17	2405 COVERT AVE	282998	282997	29584	15	VCP	260

TABLE 7-6

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	10/19/17	5610 SPRING PARK DR	9780	9779	13044	8	RPM	330
CSS	10/19/17	600 NW SIXTH ST	AEP	7922 OFFSET	6057	8	VCP	141
CSS	10/23/17	517 NW RIVERSIDE DR	CB	283127	11258	8	UNK	26
CSS	10/23/17	100 SE RIVERSIDE DR	7978	7611	19738	15	VCP	34
CSS	10/23/17	100 SE RIVERSIDE DR	7611	7976	19739	15	VCP	20
SSS	10/23/17	1301 S HELFRICH AVE	100651	100650	23613	8	RPM	170
SSS	10/23/17	317 S ROYAL AVE	283646	283645	30184	8	PVC	21
SSS	10/24/17	KINGSVALLEY RD	AEP	9843	12930	8	VCP	120
SSS	10/24/17	4309 E CHESTNUT ST	6351	6350	6737	8	VCP	168
SSS	10/25/17	4115 LENAPE LN	283583	283584	30104	8	PVC	93
SSS	10/25/17	4115 LENAPE LN	283584	283585	30105	8	PVC	341
SSS	10/25/17	4115 LENAPE LN	283585	283586	30106	8	PVC	243
SSS	10/25/17	5400 LENAPE LN	283587	170768	30144	8	PVC	230
SSS	10/25/17	316 S ROYAL AVE	283645	6010	30186	8	PVC	90
SSS	10/25/17	3951 N GREENRIVER RD	283752	283751	30297	8	PVC	119
SSS	10/25/17	3951 N GREENRIVER RD	283751	283750	30298	8	PVC	207
SSS	10/25/17	3951 N GREENRIVER RD	283750	283749	30299	8	PVC	127
SSS	10/25/17	3951 N GREENRIVER RD	283749	283748	30300	8	PVC	315
SSS	10/25/17	3951 N GREENRIVER RD	283748	283747	30301	8	PVC	300
SSS	10/25/17	3929 N CULLEN AVE	283747	170776	30302	8	PVC	58
SSS	10/25/17	4040 HEALTHY WAY	283755	283754	30303	8	PVC	320
SSS	10/25/17	4040 HEALTHY WAY	283754	283753	30304	8	PVC	345
SSS	10/25/17	VOGEL RD	283759	283761	30312	8	PVC	397
SSS	10/25/17	VOGEL RD	283760	283759	30313	8	PVC	208
SSS	10/25/17	VOGEL RD	283762	281344	30315	8	PVC	65
SSS	10/25/17	4920 LINCOLN AVE	283821	283822	30379	8	PVC	50
SSS	10/25/17	4910 LINCOLN AVE	283822	282774	30380	8	PVC	15
SSS	10/26/17	2415 SWINGING WAY CT	12560	12561	8114	8	RPM	111
SSS	10/26/17	2535 SWINGING WAY CT	12563	12561	8115	8	RPM	345
SSS	10/26/17	2619 SWINGINGWAY CT	281802	12563	28336	8	VCP	342
SSS	10/26/17	5400 LENAPE LN	283586	283587	30143	8	PVC	164
SSS	10/26/17	5503 CUNNINGHAM CT	12564	7448	8663	8	PVC	260
CSS	10/30/17	801 N 12th St	8104	283724	18203	12	VCP	380
SSS	10/30/17	401 CHERRY ST	283668	283667	30205	12	PVC	75
CSS	10/30/17	SYCAMORE AND NW5TH ST	283961	283960	30542	8	UNK	20
CSS	11/2/17	2719 SHORT MARION AVE E	CO	283257	14135	8	VCP	123

TABLE 7-6

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	11/6/17	1621 HARMONY WAY	14584	14582	11403	8	RPM	74
CSS	11/6/17	206 RUPPER AVE	8870	283983	30575	8	VCP	127
CSS	11/6/17	206 RUPPER AVE	283983	ATC	6385	8	VCP	403
SSS	11/7/17	4041 N CULLEN AVE	283753	170767	30305	8	PVC	37
SSS	11/7/17	4041 N CULLEN AVE	283845	170767	30309	8	PVC	30
SSS	11/7/17	4041 N CULLEN AVE	283844	283845	30310	8	RPM	375
SSS	11/7/17	801 S BOSSE AVE	11161	11160	23562	8	VCP	374
SSS	11/7/17	4041 N CULLEN AVE	283758	170776	30306	8	RPM	50
SSS	11/7/17	3929 N CULLEN AVE	283757	283758	30307	8	RPM	390
CSS	11/7/17	221 N FULTON AVE	283773	ATC	30329	10	VCP	48
CSS	11/7/17	1111 N KERTH AVE	11759	11758	5218	8	VCP	374
SSS	11/9/17	2901 SPRING VALLEY RD	8268	8267	11393	8	VCP	210
SSS	11/9/17	5500 E VIRGINIA ST	283875	283052	30435	8	PVC	12
SSS	11/9/17	5200 E VIRGINIA ST	283876	283875	30436	8	PVC	320
CSS	11/9/17	400 402 MAIN ST	7958	7959	30572	8	VCP	22
CSS	11/9/17	400 402 MAIN ST	7958	7959	5983	8	VCP	57
SSS	11/10/17	2402 N FIFTH AVE	4569	4568	30241	12	PVC	9
CSS	11/10/17	1911 N NINTH AVE	283772	ATC	30328	10	VCP	40
SSS	11/10/17	5200 E VIRGINIA ST	283882	283875	30443	8	PVC	400
SSS	11/10/17	5200 E VIRGINIA ST	283883	283882	30444	8	PVC	395
SSS	11/13/17	2500 MARGYBETH AVE	AEP	3942	28514	8	RPM	10
SSS	11/13/17	1435 LONGMEADOW WAY	283694	279362	30217	8	PVC	209
SSS	11/13/17	1509 LONGMEADOW WAY	283691	283690	30218	8	PVC	54
SSS	11/13/17	1521 LONGMEADOW WAY	283690	283689	30219	8	PVC	268
SSS	11/13/17	1541 LONGMEADOW WAY	283689	283688	30220	8	PVC	156
SSS	11/13/17	1602 LONGMEADOW WAY	283693	283688	30221	8	PVC	160
SSS	11/13/17	18710 WHITFIELD CT	283688	283687	30222	8	PVC	183
SSS	11/13/17	18710 WHITFIELD CT	283692	283687	30223	8	PVC	170
SSS	11/13/17	18630 WHITFIELD CT	283687	283686	30224	8	PVC	276
SSS	11/13/17	18530 WHITFIELD CT	283686	283680	30225	8	PVC	250
SSS	11/13/17	18520 WHITFIELD CT	283680	283679	30226	8	PVC	172
SSS	11/14/17	5300 AGRI CT	CO	282921	29504	8	PVC	255
SSS	11/14/17	5235 AGRI CT	282921	282920	29505	8	PVC	400
SSS	11/14/17	5235 AGRI CT	282920	283823	29506	8	PVC	395
SSS	11/14/17	18438 WHITFIELD CT	283679	283678	30227	8	PVC	163
SSS	11/14/17	18422 WHITFIELD CT	283678	283677	30228	8	PVC	104

TABLE 7-6

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	11/14/17	18410 WHITFIELD CT	283677	283676	30229	8	PVC	19
SSS	11/14/17	18422 WHITFIELD CT	283676	13323	30230	8	PVC	136
SSS	11/14/17	18410 WHITFIELD CT	283675	283676	30231	8	PVC	39
SSS	11/14/17	18410 WHITFIELD CT	283674	283675	30232	8	PVC	322
SSS	11/14/17	18432 SOMERVILLE CT	283681	283682	30233	8	PVC	180
SSS	11/14/17	18510 SOMERVILLE CT	283682	283683	30234	8	PVC	149
SSS	11/14/17	18508 WHITFIELD CT	283683	283679	30235	8	PVC	294
SSS	11/14/17	18548 SOMERVILLE CT	283685	283684	30236	8	PVC	185
SSS	11/14/17	18510 SOMERVILLE CT	283684	283683	30237	8	PVC	248
SSS	11/14/17	18510 SOMERVILLE CT	283695	283683	30238	8	PVC	198
SSS	11/14/17	2842 LOCKER CT	283733	283732	30277	8	PVC	175
SSS	11/14/17	2838 LOCKER CT	283732	283731	30278	8	PVC	135
SSS	11/14/17	2816 LOCKER CT	283731	283730	30279	8	PVC	150
SSS	11/14/17	2806 LOCKER CT	283730	283729	30280	8	PVC	135
SSS	11/14/17	2800 LOCKER CT	283729	283728	30281	8	PVC	145
SSS	11/14/17	10849 STABLE RIDGE DR	283734	283735	30283	8	PVC	120
SSS	11/14/17	10848 STABLE RIDGE DR	283735	85621	30284	8	PVC	190
SSS	11/14/17	3122 LOCKER CT	283740	283739	30287	8	PVC	50
SSS	11/14/17	3042 LOCKER CT	283739	283738	30288	8	PVC	270
SSS	11/14/17	3020 LOCKER CT	283738	283737	30289	8	PVC	155
SSS	11/14/17	3019 LOCKER CT	283737	283736	30290	8	PVC	250
SSS	11/14/17	2948 LOCKER CT	283741	283737	30291	8	PVC	173
SSS	11/14/17	11001 STABLE RIDGE DR	283742	283739	30292	8	PVC	325
SSS	11/14/17	5235 AGRI CT	283823	282919	30382	8	PVC	15
SSS	11/15/17	7420 LAUREN DR	283631	283630	30158	8	PVC	200
SSS	11/15/17	3312 JAY LYNN CT	283630	283629	30159	8	PVC	340
SSS	11/15/17	3404 JAY LYNN CT	283628	283629	30160	8	PVC	140
SSS	11/15/17	3434 JAY LYNN CT	283628	283627	30161	8	PVC	312
SSS	11/15/17	3512 JAY LYNN CT	283627	283626	30162	8	PVC	400
SSS	11/15/17	3240 HESEMAN AVE	283712	283711	30246	8	PVC	150
SSS	11/16/17	7515 LAUREN DR	283711	283710	30247	8	PVC	277
SSS	11/16/17	7515 LAUREN DR	283710	283709	30248	8	PVC	350
CSS	11/16/17	2502 W FRANKLIN ST	99237	8710	19338	12	VCP	159
SSS	11/16/17	8405 MILLERSBERG RD	283624	283713	30156	12	PVC	395
SSS	11/16/17	7515 LAUREN DR	283625	283624	30157	12	PVC	120
SSS	11/16/17	7515 LAUREN DR	283626	283625	30163	12	PVC	100

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	11/16/17	7515 LAUREN DR	283709	283625	30249	8	PVC	265
SSS	11/16/17	8405 MILLERSBURG RD	283716	283714	30251	12	PVC	56
SSS	11/16/17	8405 MILLERSBURG	283713	283714	30254	12	PVC	405
SSS	11/16/17	2824 LENOX DR	283728	85646	30282	8	PVC	11
CSS	11/16/17	120 N MARINE AVE	8709	AEP	30610	15	VCP	165
SSS	11/17/17	3019 MUENSTERMAN AVE	14589	14587	13490	8	VCP	220
CSS	11/17/17	8128 ALDERRIDGE	14854	14859	15351	8	RPM	405
CSS	11/17/17	711 N SAINT JOSEPH AVE	AEP	283230	19323	12	VCP	109
CSS	11/17/17	2501 W ILLINOIS ST	284057	8710	19333	15	VCP	505
SSS	11/17/17	3120 WIMBERG AVE	8259	8258	22442	8	VCP	235
CSS	11/17/17	2617 W ILLINOIS ST	AEP	284057	30612	10	VCP	222
CSS	11/20/17	1710 W MARYLAND ST	4517	7689	19931	15	VCP	328
CSS	11/27/17	404 SE SECOND ST	CO	12552	5953	8	VCP	88
CSS	11/28/17	737 E OREGON ST	11771	11770	17072	15	VCP	20
CSS	11/28/17	833 SE RIVERSIDE DR	1584	1573	5938	8	VCP	519
CSS	11/30/17	2771 FOREST AVE	99357	99358	17773	8	VCP	350
CSS	11/30/17	3013 W DELAWARE ST	8173	8174	22146	8	VCP	230
SSS	11/30/17	737 CHAD ST	283635	282764	30169	8	PVC	106
SSS	11/30/17	4512 STRINGTOWN RD	283661	283662	30200	8	PVC	55
SSS	11/30/17	15911 FENWAY DR	283825	88618	30384	8	PVC	130
SSS	11/30/17	901 E BASELINE RD	283826	283825	30385	8	PVC	75
SSS	11/30/17	811 E BASELINE RD	283827	283828	30387	8	PVC	75
SSS	11/30/17	811 E BASELINE RD	283828	283826	30388	8	PVC	182
SSS	11/30/17	12330 N GREEN RIVER RD	283914	13198	30477	8	PVC	150
SSS	11/30/17	12420 N GREEN RIVER RD	283915	283914	30478	8	PVC	100
SSS	11/30/17	421 CHESTNUT ST	283998	283997	30594	10	PVC	300
SSS	11/30/17	421 CHESTNUT ST	283997	283996	30595	10	PVC	80
SSS	11/30/17	421 CHESTNUT ST	283996	283671	30596	10	PVC	15
SSS	11/30/17	1400 HARMONY WAY	8272	14571	6489	8	VCP	258
SSS	12/1/17	16880 N HWY 41	13254	90126	15298	12	VCP	163
SSS	12/1/17	2916 SCHOENFIELD AVE	8237	8238	21533	8	VCP	269
CSS	12/4/17	2200 HARDING AVE	12208	7760	18347	12	VCP	340
CSS	12/5/17	2820 HILLCREST DR	AEP	283456	19353	10	VCP	98
SSS	12/6/17	4949 HEALTHY WAY	283984	283752	30578	8	PVC	160
CSS	12/6/17	109 SYCAMORE ST	7944	ATC	6069	10	VCP	25
CSS	12/7/17	2833 EDGEWOOD DR	CO	283973	19354	10	VCP	416

TABLE 7-6

TABLE 7-6

8" to 15" Diameter Rapid Assessment Tool Pipe Inspections

July 1, 2017 through December 31, 2017 Reporting Period and January 31, 2018 Extension Period

Sewershed	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
CSS	12/7/17	213 DREIER BLVD	CO	CO	19355	8	VCP	150
CSS	12/7/17	805 HARMONY WAY	8178	8173	22144	8	VCP	181
CSS	12/7/17	2853 EDGEWOOD DR	283973	ATC	30560	10	VCP	208
SSS	12/7/17	421 CHESTNUT ST	284000	283999	30592	8	PVC	220
SSS	12/7/17	421 CHESTNUT ST	283999	283998	30593	8	PVC	27
CSS	12/7/17	213 DREIER BLVD	8652	CO	6424	8	VCP	100
SSS	12/8/17	3132 WIMBERG AVE	8258	8257	22443	8	VCP	240
SSS	12/8/17	15 S WILLOW RD	283899	11860	30463	8	PVC	150
CSS	12/11/17	15 SE FOURTH ST	284019	7987	6030	12	VCP	195
CSS	12/12/17	518 520 MARY ST	1199	1091	30132	12	RCP	145
SSS	12/12/17	600 N SEVENTH AVE	284023	2037	30628	8	PVC	80
CSS	12/13/17	422 N BARKER AVE	4039	284026	19331	12	VCP	367
SSS	12/20/17	3006 W VIRGINIA ST	CO	283994	30547	8	PVC	439
SSS	12/26/17	1625 HARMONY WAY	AEP	14582	11402	8	RPM	76
SSS	12/26/17	2823 B STREET	283865	283165	30426	8	VCP	243
SSS	12/26/17	1620 MONROE AVE	CO	280989	30591	10	VCP	38
SSS	12/28/17	1821 STEVENS AVE	CO	4001	14541	8	PVC	73
SSS	1/9/18	1624 N ST JOE AVE.	8277	8155	23081	8	VCP	375
CSS	1/9/18	3004 UPPER MT VERNON RD	8162	8163	6381	8	VCP	23
CSS	1/11/18	1415 W OHIO ST	8430	8752	14766	10	RCP	140
CSS	1/23/18	2660 W MARYLAND ST	CO	283950	30530	8	VCP	274
CSS	1/24/18	2212 E MULBERRY ST	CB	284039	30638	12	VCP	168
CSS Total Inspected (ft)								22,962
SSS Total Inspected (ft)								38,503
Total 8" to 15" Diameter Pipes Inspected (ft) *								61,465

* Total includes 2614 ft of CSS and 1653 ft of SSS inspections that were not submitted in previous SARs

TABLE 7-7

Manhole Inspections

July 1, 2017 through December 31, 2017 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Pre Level 1 Rating
9735	W-10-2	2/2/17	1.00
5376	E-7-3	4/28/17	1.00
11921	W-7-1	4/28/17	1.00
168177	E-11-1	7/7/17	2.00
283611	E-3-7	7/7/17	2.00
283614	E-3-7	7/7/17	1.00
283451	W-16-1	7/10/17	1.00
283452	W-16-1	7/10/17	1.00
283455	W-1-3	7/10/17	1.00
283461	E-3-6	7/10/17	1.00
283476	W-6-1	7/10/17	1.00
283485	W-4-3	7/10/17	2.00
283489	W-3-2	7/10/17	1.00
283495	W-16-9	7/10/17	2.00
283498	W-7-3	7/10/17	1.00
283508	W-2-2	7/10/17	1.00
283509	W-2-1	7/10/17	1.00
283510	W-2-2	7/10/17	1.00
283518	W-3-2	7/10/17	1.00
283523	W-6-1	7/10/17	2.00
283530	W-12-1	7/10/17	1.00
283531	W-4-1	7/10/17	2.00
283545	E-10-1	7/10/17	1.00
283547	W-2-1	7/10/17	1.00
283548	E-10-1	7/10/17	1.00
283556	E-5-3	7/10/17	1.00
283564	W-2-2	7/10/17	1.00
283567	W-7-7	7/10/17	3.00
283569	W-4-4	7/10/17	1.00
283571	W-7-5	7/10/17	1.00
283573	W-4-4	7/10/17	1.00
283577	E-7-6	7/10/17	1.00
283584	E-12-1	7/10/17	1.00
283585	E-12-1	7/10/17	1.00
283586	E-12-1	7/10/17	1.00
283587	E-12-1	7/10/17	1.00
1099	W-4-4	7/11/17	1.00
283446	E-4-4	7/11/17	1.00
283456	W-2-2	7/11/17	1.00
283471	W-5-2	7/11/17	2.00
283472	W-5-3	7/11/17	1.00
283475	W-5-3	7/11/17	1.00
283477	W-2-2	7/11/17	1.00
283483	W-7-7	7/11/17	1.00
283499	W-2-4	7/11/17	1.00
283500	W-2-6	7/11/17	1.00
283505	W-4-9	7/11/17	1.00
283507	W-3-1	7/11/17	1.00
283514	W-4-9	7/11/17	1.00
283535	W-4-1	7/11/17	1.00
283552	W-2-2	7/11/17	2.00
283553	W-2-2	7/11/17	1.00
283561	W-2-3	7/11/17	1.00
283565	W-2-3	7/11/17	1.00
283566	W-5-3	7/11/17	1.00
283568	W-5-3	7/11/17	1.00
283575	W-2-4	7/11/17	1.00
283576	W-2-3	7/11/17	1.00
283580	W-2-6	7/11/17	2.00
283581	W-2-6	7/11/17	1.00

TABLE 7-7

Manhole Inspections

July 1, 2017 through December 31, 2017 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Pre Level 1 Rating
283583	E-12-1	7/11/17	1.00
99497	W-2-5	7/12/17	2.00
131877	W-9-1	7/12/17	1.00
282406	W-2-5	7/12/17	1.00
2200	W-2-1	7/13/17	1.00
8086	W-5-3	7/13/17	3.00
8442	W-2-4	7/13/17	2.00
8860	W-5-1	7/13/17	1.00
11168	W-1-1	7/13/17	1.00
11203	W-1-1	7/13/17	1.00
14648	W-12-2	7/13/17	1.00
14939	W-12-6	7/13/17	3.00
15095	W-10-2	7/13/17	1.00
68736	W-2-1	7/13/17	2.00
3908	E-3-10	7/14/17	2.00
6097	E-9-2	7/14/17	2.00
6663	E-5-4	7/14/17	1.00
3559	E-3-10	7/17/17	1.00
4446	E-10-1	7/17/17	1.00
5093	E-8-1	7/17/17	2.00
5429	E-9-8	7/17/17	2.00
5734	E-10-2	7/17/17	1.00
5895	E-9-5	7/17/17	1.00
6299	E-9-1	7/17/17	2.00
10524	E-6-12	7/17/17	2.00
73818	E-10-3	7/17/17	2.00
4002	E-6-1	7/18/17	1.00
4638	W-4-8	7/18/17	1.00
10427	W-10-5	7/18/17	2.00
10712	W-10-7	7/18/17	1.00
15551	W-16-6	7/18/17	1.00
86999	W-16-6	7/18/17	1.00
127165	W-10-11	7/18/17	2.00
282943	W-10-17	7/18/17	1.00
283407	E-3-8	7/18/17	2.00
283408	E-3-8	7/18/17	1.00
283409	E-3-8	7/18/17	1.00
283410	E-3-8	7/18/17	1.00
2070	E-8-2	7/24/17	2.00
12702	E-11-7	7/24/17	1.00
12719	E-11-8	7/24/17	1.00
12728	W-16-1	7/24/17	1.00
15275	W-16-6	7/24/17	1.00
15362	W-16-4	7/24/17	1.00
16323	W-16-11	7/24/17	1.00
170702	W-16-11	7/24/17	1.00
281105	E-8-2	7/24/17	1.00
2137	E-8-1	7/25/17	1.00
4627	W-9-3	7/25/17	1.00
6841	E-5-6	7/25/17	1.00
7175	E-9-11	7/25/17	1.00
12769	W-16-6	7/25/17	3.00
81081	E-12-1	7/25/17	1.00
83235	E-11-6	7/25/17	1.00
283515	W-3-5	7/25/17	1.00
4867	E-1-3	7/26/17	1.00
14427	W-4-5	7/26/17	1.00
15975	E-4-2	7/26/17	2.00
2114	E-8-2	7/27/17	1.00
5485	W-7-5	7/27/17	1.00

TABLE 7-7

Manhole Inspections

July 1, 2017 through December 31, 2017 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Pre Level 1 Rating
5489	W-7-5	7/27/17	2.00
5492	W-7-5	7/27/17	2.00
5493	W-7-5	7/27/17	2.00
11615	W-7-7	7/27/17	2.00
11617	W-7-7	7/27/17	2.00
15824	W-7-7	7/27/17	1.00
283574	W-7-7	7/27/17	1.00
3279	E-7-1	7/28/17	1.00
3612	E-7-1	7/28/17	1.00
3910	E-3-10	7/28/17	1.00
51468	E-5-6	7/28/17	1.00
80010	E-3-4	7/28/17	2.00
99210	E-8-1	7/28/17	1.00
99752	E-3-5	7/28/17	1.00
2677	E-3-4	8/1/17	1.00
3390	E-6-1	8/1/17	2.00
9397	W-7-3	8/1/17	2.00
281238	E-3-8	8/1/17	1.00
281239	E-3-8	8/1/17	2.00
283522	W-7-3	8/1/17	1.00
11610	W-7-7	8/2/17	2.00
283534	W-4-1	8/3/17	2.00
283549	E-10-1	8/3/17	1.00
9662	W-10-3	8/4/17	1.00
283141	W-7-7	9/7/17	2.00
12095	W-6-2	9/11/17	2.00
283612	E-3-7	9/22/17	2.00
283615	E-3-7	9/22/17	1.00
14707	W-12-3	9/23/17	1.00
14708	W-12-3	9/23/17	1.00
1064	W-3-5	10/4/17	1.00
1098	W-4-4	10/4/17	2.00
52832	W-6-2	10/4/17	1.00
283783	W-4-8	10/4/17	1.00
1192	W-4-9	10/6/17	1.00
2199	W-2-1	10/6/17	1.00
3684	E-5-4	10/6/17	1.00
4517	W-4-6	10/6/17	2.00
8434	W-2-6	10/6/17	1.00
50188	E-3-8	10/6/17	1.00
283645	E-9-5	10/6/17	1.00
283646	E-9-5	10/6/17	1.00
283799	W-2-3	10/6/17	1.00
283802	W-8-1	10/6/17	1.00
283803	W-16-6	10/6/17	1.00
283865	W-2-2	10/6/17	1.00
1297	W-3-2	10/6/17	1.00
6095	E-9-2	10/6/17	1.00
283206	E-1-4	10/6/17	1.00
283811	W-2-4	10/6/17	1.00
283895	W-4-7	10/6/17	1.00
283607	W-4-6	10/9/17	1.00
283647	W-3-5	10/9/17	1.00
283649	W-3-6	10/9/17	1.00
283650	W-3-6	10/9/17	1.00
283651	W-3-6	10/9/17	1.00
283653	W-3-6	10/9/17	1.00
283655	W-3-6	10/9/17	1.00
283763	W-3-3	10/9/17	1.00
283769	W-3-3	10/9/17	1.00

TABLE 7-7

Manhole Inspections

July 1, 2017 through December 31, 2017 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Pre Level 1 Rating
283770	W-3-6	10/9/17	1.00
283772	W-2-6	10/9/17	1.00
283773	W-3-5	10/9/17	1.00
283774	W-3-3	10/9/17	1.00
283648	W-3-5	10/9/17	1.00
283659	W-2-4	10/9/17	1.00
283767	W-2-4	10/9/17	1.00
283836	E-4-1	10/9/17	1.00
283052	E-9-6	10/12/17	1.00
283658	W-3-6	10/12/17	1.00
283866	W-10-5	10/13/17	1.00
4039	W-5-1	10/17/17	1.00
8107	W-5-2	10/17/17	1.00
283541	W-8-8	10/17/17	1.00
1038	W-3-1	10/19/17	1.00
1248	W-3-6	10/19/17	1.00
4037	W-5-1	10/19/17	1.00
4526	W-4-7	10/19/17	1.00
64433	W-5-1	10/19/17	1.00
12283	W-6-4	10/19/17	1.00
12146	W-6-2	10/21/17	1.00
12147	W-6-2	10/21/17	1.00
283867	W-6-5	10/21/17	1.00
1154	W-4-4	10/24/17	1.00
1175	W-4-5	10/24/17	1.00
8467	E-7-6	10/24/17	1.00
283727	W-4-8	10/24/17	1.00
14595	W-5-1	10/25/17	1.00
11607	W-7-7	10/26/17	1.00
281902	W-13-4	10/26/17	1.00
133658	W-13-2	10/26/17	1.00
133660	W-13-2	10/26/17	1.00
11474	W-13-2	10/26/17	1.00
133659	W-13-2	10/26/17	2.00
281131	W-5-1	10/26/17	1.00
12560	E-11-5	10/26/17	1.00
12561	E-11-5	10/26/17	1.00
12563	E-11-5	10/26/17	1.00
12564	E-11-5	10/26/17	1.00
281802	E-11-5	10/26/17	1.00
4877	E-1-1	10/31/17	1.00
283962	E-1-1	10/31/17	1.00
283963	E-1-1	10/31/17	1.00
283971	E-1-6	10/31/17	1.00
283972	W-4-4	10/31/17	1.00
4886	W-4-1	11/4/17	1.00
283633	W-4-4	11/4/17	1.00
283968	E-1-4	11/4/17	1.00
283969	E-1-4	11/4/17	1.00
283970	E-1-4	11/4/17	1.00
12132	W-6-2	11/6/17	1.00
283753	E-12-1	11/7/17	1.00
283757	E-12-1	11/7/17	1.00
283758	E-12-1	11/7/17	1.00
283760	E-12-2	11/7/17	1.00
283844	E-12-1	11/7/17	1.00
283845	E-12-1	11/7/17	1.00
283876	E-9-6	11/9/17	1.00
283982	E-2-3	11/9/17	1.00
283816	E-2-2	11/10/17	1.00

TABLE 7-7

Manhole Inspections

July 1, 2017 through December 31, 2017 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Pre Level 1 Rating
283875	E-9-6	11/10/17	1.00
283882	E-9-2	11/10/17	1.00
283883	E-9-2	11/10/17	1.00
8263	W-5-1	11/11/17	1.00
8267	W-5-1	11/11/17	1.00
8386	W-2-2	11/11/17	1.00
99921	W-5-1	11/11/17	1.00
283991	W-13-3	11/11/17	1.00
282919	W-16-11	11/14/17	1.00
282920	W-16-11	11/14/17	1.00
282921	W-16-11	11/14/17	1.00
283740	W-16-8	11/14/17	1.00
283823	W-16-11	11/14/17	1.00
14234	E-9-5	11/16/17	1.00
8236	W-5-1	11/27/17	1.00
8237	W-5-1	11/27/17	1.00
8235	W-5-1	11/28/17	1.00
8238	W-5-1	11/28/17	1.00
16105	W-12-6	12/15/17	1.00
Total Manholes Inspected *			259

* Total includes 3 manhole inspections that were not submitted in previous SARs

TABLE 11-1
 SSRMP Capacity Related SSO Release Locations
 July 1, 2017 through December 31, 2017 Reporting Period

System	Sewershed	Start Date		End Date		SSO Group	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Precipitaion (in)
W	CSS	7/23/2017	6:45 AM	7/23/2017	7:30 AM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	2.56

TABLE 12-1
Decree Deliverables Listing
July 1, 2017 through December 31, 2017 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 step 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 Treatable 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 Treatable Flow. (Consent Decree paragraph 19.d and 20.d)	31-Jul-2012	31-Jul-2012	No comments received	-	-
22 Implement revised Maximum Treatable Flow operations at the East and West WWTP. (Consent Decree paragraph 19.e, 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 Treatable 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 replacement/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		18-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			

TABLE 12-1
Decree Deliverables Listing
July 1, 2017 through December 31, 2017 Reporting Period

Deliverable	Date Due	Submitted to Agencies	Agency Review Status	Date Comments Received	Date Comment Response Submitted
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	-	-
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		18-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			
Response to EPA IOCP comments letter, including an update to EPA comments on Table 5-1 (the IOCP compliance schedule and requirements)				17-Aug-2015	
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 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			
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, 2017 through December 31, 2017 Reporting Period and Preceding 1.5 Year Period

Investment Number	Service Area	Project Type	Long Description	2012 Planning Level Submitted Capital Costs	Commence Construction	AFO	Actual Total Project Cost (2015)
S0019	All	Lift Station	Annual SCADA upgrades and Project Programming / Integration required	\$300,000	2/3/2016	12/31/2016	211,937.09
S0024	All	Vehicles	Replacement Vehicle #548-2000 - Engineering PM Pool Vehicle SUV	\$24,800	2/16/2016	5/20/2016	22,616.53
S0027	All	Vehicles	Replacement Vehicle #524-2006 4x4 SUV	\$26,200	2/16/2016	5/27/2016	22,616.53
S0028	All	Vehicles	Replacement Vehicle #526-1999 SUV	\$35,000	2/16/2016	4/18/2016	25,684.86
S0029	All	Vehicles	Replacement Vehicle #533-2006 Crew Van	\$36,000	2/16/2016	5/27/2016	22,121.64
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
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	7/5/2016	138,527.99
S0043	All	Lift Station	Air Release Valve Replacement Program	\$300,000	2/11/2016	12/31/2017	25,211.22
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	365,061.52
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	306,065.71
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	445,816.41
S0066	West	West Treatment Plant	1.1.22.2 Fencing	\$125,000	12/2/2016	12/31/2017	36,970.85
Cumulative Actual Total Project Cost (2015 dollars)							1,890,686.94

