



Investing in clean water resources

Semi-Annual Report 2019-2

July 1, 2019 through December 31, 2019

Submitted

February 28, 2020



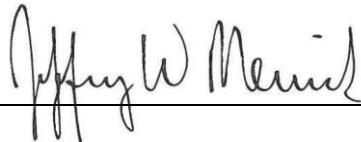
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SUBMITTAL AUTHORIZATION

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February 28, 2020

Date

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

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Acronyms and Abbreviations

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

SECTION 1

Introduction

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

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

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

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

1.1 Reporting Period Overview

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

- Submitted SAR 2019-1 (August 30, 2019)
- Submitted 2019 Combined Sewer Overflow Operation Plan (CSOOP) Update (November 1, 2019)
- 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)
- Continued the design and construction of five Green Infrastructure projects.
- Continued Phase II portion of the North Park Rehabilitation project (the project is 95% complete and final design is pending due to current discussions with the Agencies)
- Completed Pigeon Creek Interceptor Cleaning project (The final cleaning and inspection was completed on October 24, 2017 and the final design for optimization and real time control was ongoing during the reporting period)
- Completed Advanced Facility Planning, Bee Slough Solution (The Utility is currently discussing additional alternative methods for the Bee Slough Solution with the Agencies)
- Continued construction of the West WWTP Storage Facility
- Continued construction for Contract C (Underground Piping Phase 1) of the East WWTP Effluent Pump Station Project
- Continued construction for Contract A (Sunrise Pump Station) of the East WWTP Effluent Pump Station Project
- Continued construction for the West WWTP expansion project
- Achieved Full Operation for the Akin Park partial sewer separation project (November 26, 2019)
- Continued construction for Phase I portion of the East WWTP expansion
- Continued design of Lift Station works in the Lloyd Expressway Basin
- Initiated design of the force main sewer portion of the State Hospital Pumping Station for the Oak Hill sewer separation projects (Appendix G Control Measure 8)
- Awarded contract for Contract B (Sunrise Cascade & Overlook) of the East WWTP Effluent Pump Station Project (November 26, 2019)
- Awarded contract for the Phase II portion of the East WWTP expansion (December 10, 2019)

SECTION 2

Dry Weather Overflows

During the reporting period, there were two dry weather overflows from a CSS overflow structure occurring more than 24 hours after a precipitation event. Table 2-1 lists the details regarding the dry weather overflow events.

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 2019 reporting period are shown in the figure at the end of the report.

3.2 Recurring Overflows

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

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

3.3 Discharges to Water Bodies

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

3.4 Remedial Actions to Mitigate SSOs and CSS Releases

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

SECTION 4

Installation of Overflow Alarms at Pump Stations

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

SECTION 5

Revisions to CSO Operational Plan

The Utility submitted the 2019 CSO Operation Plan update November 1, 2019.

SECTION 6

Maximizing Existing Flow and Storage Capacity of the Sewer Systems

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

6.1 CSO Discharges when WWTP Flow was not Maximized

6.1.1 CSO 123, West System

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

6.1.2 CSO 009, West System

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

6.1.3 CSO 103, East System

There were no discharges during the reporting period from CSO 103 on days when the East WWTP treated flows were less than the current, permitted maximum treatable flow. The Utility physically eliminated CSO 103 in conjunction with the East WWTP Effluent Lining Project (August 15, 2019).

6.2 East WWTP Influent Pump and Bar Screen Update

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

6.3 West WWTP Baffles Update

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

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

SECTION 7

Capacity Management, Operating, and Maintenance Program Activities

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

7.1 Fats, Oil, and Grease Program

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

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

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

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

7.1.1 Status of FOG Program Preparation

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

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

The Utility's FOG Web site includes general information and links regarding best management practices for managing food materials, grease trap design, maintenance, and function, and go-green initiatives. The Utility distributed public outreach materials for mailing to food establishments during the reporting period on an ongoing basis. The FOG staff continued a public outreach program by distributing door hangers to apartment complexes. These materials communicate both the sources of FOG and the need to reduce the introduction of it to the sewer systems. Additionally, during the 2018-2 reporting period, the Utility initiated a FOG awareness campaign that included banners and billboards to educate the public regarding the proper disposal of FOG. The Utility continued the FOG awareness campaign during the reporting period.

7.1.2 Status of Approved FOG Program Implementation

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

7.1.3 The following occurred during the reporting period:

- There were no revisions of regulations and / or ordinances to implement the Grease Control Program during the reporting period.
- The Utility and Vanderburgh County Health Department worked to jointly enforce the Utility's FOG Program. During the reporting period, the Utility and Health Department focused on educating food establishments on best management practices for controlling FOG and reviewing grease trap manifests during site visits. Additionally, they distributed questionnaires to gather information and update their records regarding the number of grease interceptors in the system.
- 87 grease trap inspections (11% of the total) were conducted during the reporting period.
- The Utility issued zero fines and 2 Notice(s) of Violation to establishments during the reporting period.
- The Utility does not issue permits to implement regulations and/or ordinances, as other enforceable mechanisms are used to implement FOG regulations.

7.2 Approved CMOM Program Activities

Per the requirements of the Consent Decree, CMOM 2.0 was submitted May 1, 2011, CMOM 2.1 was submitted February 29, 2012, and CMOM 3.0 was submitted November 30, 2012. The Utility began operating under CMOM 3.0 on November 30, 2012. Comments from USEPA regarding CMOM 3.0 were received on October 31, 2013, and a written response was provided to USEPA on December 6, 2013. An updated CMOM 3.1 was submitted to regulators on February 14, 2014, and the Utility is now operating under the new CMOM version. Activities undertaken by the Utility between July 1 and December 31, 2019, pursuant to CMOM 3.1, are described in the following subsections.

7.2.1 Root Intrusion Treatments for Sewer Segments

During the reporting period, 8,614 linear feet of sewer segments in the SSS and CSS were mechanically treated for root intrusion, as listed in Table 7-2. Chemical root treatments were not completed during this reporting period. The figure at the end of the report shows the location of the sewer segments treated for root intrusion.

7.2.2 Pump Station Inspections

The Utility conducts two types of pump station inspections:

- Routine inspections
- Ten State Standard Inspections

7.2.2.1 *Routine Inspections*

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

7.2.2.2 *Ten State Standard Inspections*

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

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

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

7.2.3 Cleaning and Routine Inspection of Sewer Pipes

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

During the reporting period, 6.0 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	0	0	0
SSS	2,411,106	199,627	37.8	7.8
Total	3,333,023	199,627	37.8	6.0

Table 7-4 provides details regarding the cleaning of pipe segments, and the figure at the end of the report shows the location of the segments. In 2019, the Utility cleaned 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, Evansville requested a modification to the decree to extend the deadline for completion of the cleaning and inspection program to January 31, 2018. The Utility completed the cleaning schedule during the 2018-1 reporting period to meet the deadline for the decree extension period. Therefore, with the completion of the first cycle cleaning schedule, the Utility has cleaned all pipe segments within the 8 years prior to the end of the reporting period.

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

The Utility inspected 199,627 linear feet of 8-inch to 15-inch diameter sewer segments using CCTV during the reporting period. Table 7-5 identify the segments inspected, and the figure at the end of the report shows the locations of the pipe segments. In 2019, the Utility inspected 77 miles of 8-inch to 15-inch diameter sewer segments, meeting the annual 75 mile CMOM inspection provision in the decree.

Additionally, the Utility received an extension for the cleaning and inspection schedule to January 31, 2018. The Utility completed the inspection schedule during the 2018-1 reporting period to meet the deadline for the decree extension period. Therefore, with the completion of the first cycle inspection schedule, the Utility has inspected all pipe segments within the 8 years prior to the end of the reporting period.

7.2.3.3 CCTV inspections where SSO or CSO Release Occurred

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

7.2.4 Manhole Inspections

During the reporting period, 1,220 manhole inspections were completed. A list of the manholes inspected, the dates, and the results of the inspections are provided in Table 7-7 and the locations of the inspections are illustrated in the figure at the end of the report.

7.2.5 Pump Station Assessment Update

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

7.2.6 Pump Station Ten State Standards Compliance Update

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

Since 2012, the Utility has completed rehabilitation of 32 pump stations identified in CMOM 3.0 as pump stations in need of capital improvements to comply with Ten States Standards criteria. In addition, the Utility awarded contracts to eliminate three (3) pump stations during the previous reporting period and a contract to eliminate one pump station during the reporting period.

7.2.7 Additional Information Regarding CMOM Adherence

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

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

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

During the reporting period, the Utility continued the 2018 annual CIPP lining project and completed the East WWTP Effluent sewer rehabilitation project. These projects will result in 1.16 miles of large diameter sewers and 1.33 miles of small diameter sewers receiving lining rehabilitation. Additionally, the Utility initiated the design of the 2019 annual CIPP lining project during the reporting period.

During the reporting period, the common council of the City of Evansville upon recommendation by the Utility, passed Ordinance G-2019-09 to amend and restate Chapter 13.20 Wastewater Discharge Regulations.

On May 22, 2017, the United States Environmental Protection Agency (USEPA) transmitted a letter to the Utility Pretreatment Coordinator which included a detailed review and request for revisions to the existing Municipal Code Chapter 13.20 Wastewater Discharge Regulations (referred to as the Sewer Use Ordinance or “SUO”).

The revisions requested by USEPA focused on modifying the SUO to mirror the structure and language of Title 40 of the Code of Federal Regulations Part 403 for General Pretreatment Standards (40 CFR 403) as well as incorporating provisions of the 2005 Streamlining Rule.

Within the 2005 Streamlining Rule, thirteen (13) changes were identified as more stringent than previous federal provisions in 40 CFR Part 403, and required SUO changes. The more stringent provisions incorporated into the Utility SUO include:

1. Updated removal credits provisions relating to Overflows [§ 403.7(h)]
2. Slug control requirements must be included in SIU control mechanisms {[§ 403.8(f)(1)(iii)(B)(6)]}
3. SIUs must be evaluated for the need for a plan or other action to control slug discharges within a year from the final rule's effective date or from becoming a SIU [§ 403.8(f)(2)(vi)]
4. SIUs are required to notify the POTW immediately of any changes at its facility affecting the potential for a slug discharge [§ 403.8(f)(2)(vi)]
5. Significant Noncompliance (SNC) definition is expanded to include additional types of Pretreatment Standards and Requirements [§403.8(f)(2)(viii)(AC)]
6. SIU reports must include BMP compliance information
[§403.12(b),(e),(h)]
7. SIU control mechanisms must contain any BMPs required by a Pretreatment Standard, local limits, state, or local law [§ 403.8(f)(1)(iii)(B)(3)]
8. Documentation of compliance with BMP requirements must be maintained as part of the SIU's and POTW's record-keeping requirements [§ 403.12(o)]
9. Control Authorities which perform sampling for SIUs must perform any required repeat sampling and analysis within 30 days of becoming aware of a violation [§ 403.12(g)(2)]
10. Require periodic compliance reports to comply with sampling requirements, require Control Authority to specify the number of grab samples necessary in periodic and noncategorical SIU reports, and require noncategorical SIUs to report all monitoring results [§ 403.12(g)(3),(4),6]
11. Non-Categorical SIUs are required to provide representative samples in their periodic monitoring reports [§ 403.12(g)(3)]
12. Require notifications of changed discharge to go to the Control Authority and the POTW, where the POTW is not the Control Authority [§ 403.12(j)]

13. How and when the POTW can designate a “duly authorized employee” to sign POTW reports [§403.12(m)]

The latest draft of the SUO was sent to USEPA on September 14, 2018. The revision and review process between the Utility and USEPA was deemed complete on January 4, 2019 when no further changes were requested by USEPA. Overall, the EWSU believes the changes requested by USEPA reflect administrative amendments and are not considered material changes to the way in which the Utility operates and manages the Pretreatment Program.

Other SUO revisions outside the scope of USEPA’s streamlining review include the following:

1. Inclusion of definition and prohibition of discharges from open loop geothermal heat pump systems; previously approved on October 23, 2017 (G-2017-31), but erroneously excluded from subsequent revisions during USEPA streamlining
2. Clarification on BOD and TSS local limitations implemented as a monthly maximum statistic, rather than a daily maximum; previously approved on January 1, 2018 (G-2017-37), but erroneously excluded from subsequent revisions during USEPA streamlining

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 conducted in December 2019.

8.2.2 Development or Revisions of Standard Operating Procedures

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

8.2.3 Data Management and Tracking

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

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

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

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

- Completed AFP – Bee Slough Solution: The Utility is currently discussing additional alternative methods for the Bee Slough Solution with the Agencies
- Continued construction of the West WWTP expansion
- Continued construction of the West WWTP Storage Facility
- Continued construction of Contracts A and C of the East WWTP Effluent Pump Station
- Achieved Full Operation for the Akin Park partial sewer separation
- Continued construction for the Phase I portion of the East WWTP expansion

SECTION 9

- Awarded Contract B of the East WWTP Effluent Pump Station
- Awarded contract for the Phase II portion of the East WTP expansion
- Continued design of Lift Station works in the Lloyd Expressway Basin
- Initiated design of the force main sewer portion of the State Hospital Pumping Station for the Oak Hill sewer separation projects

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 the Phase II portion of the project during the reporting period (the project is 95% complete and final design is pending due to current discussions with the Agencies).
- Lloyd Expressway Basin: Continued design for the Bonnieview and Oak project.
- Oak Hill Sewer Separation Projects: Initiated design for the force main sewer portion of the State Hospital Pumping Station.

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

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

SECTION 12

General IOCP Development and Implementation

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

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

12.1 Status of Consent Decree Appendix C Submittals

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

12.1.1 Public and Regulatory Agency Participation

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

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

12.1.2 SRCER Update

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

12.1.3 System Characterization

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

12.1.4 SSEs and Work Plan

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

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

12.1.5 Update to Modeling Program

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

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

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

12.1.6 Capacity Assessment

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

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

12.1.7 SSA Report

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

12.1.8 SSRM Plan

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

12.1.9 Update of LTCP Portion of IOCP

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

12.2 Status of IOCP Improvements

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

Prior to the agencies disapproval of the plan, Evansville sought and received approval of several early action projects set forth in the IOCP. Details regarding the early action 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 three and a half year period.

Figure

Evansville Water and Sewer Utility

SSO_CSS_Releases_July_December_2019

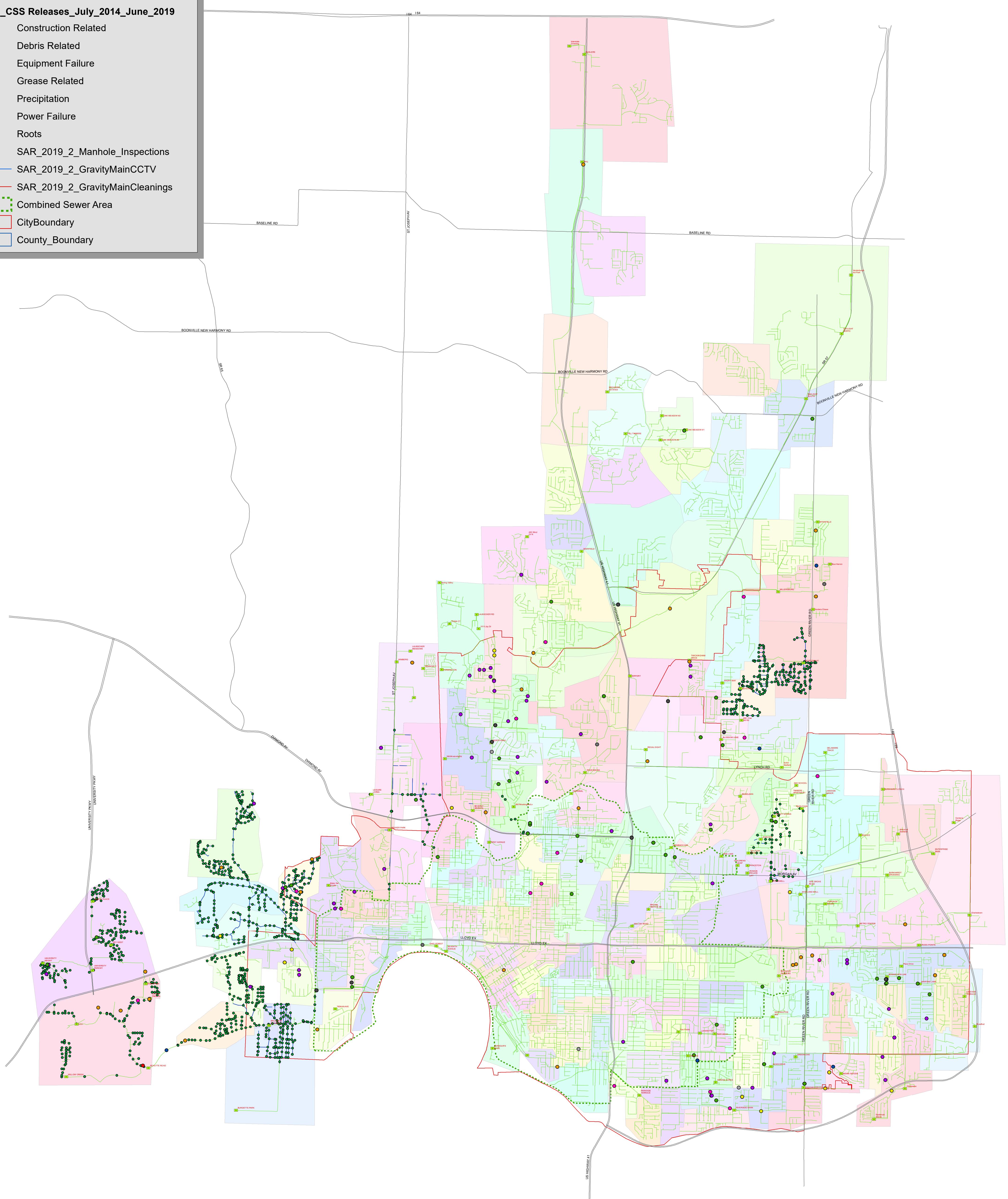
- Construction Related
- Debris
- Equipment Failure
- Grease
- Hydraulically Maximized
- Power Failure
- Rags
- Roots

SSO_CSS Releases_July_2014_June_2019

- Construction Related
 - Debris Related
 - Equipment Failure
 - Grease Related
 - Precipitation
 - Power Failure
 - Roots
 - SAR_2019_2_Manhole_Inspections
 - SAR_2019_2_GravityMainCCTV
 - SAR_2019_2_GravityMainCleanings
- Combined Sewer Area
CityBoundary
County_Boundary



Evansville
WATER AND SEWER UTILITY



Tables

TABLE 2-1

Dry Weather Overflows

July 1, 2019 through December 31, 2019 Reporting Period

Date	Location	Duration (Hours)	Volume (Gallons)	Beginning Time	End Time	Cause	Remedial Action
9/10/2019	CSO 020 Ninth Avenue	2.58	51,000	1:40 PM	4:15 PM	During 72 hour monitoring period, the permitted CSO overflowed due to water from an 8" water main repair that inundated the combined collection system upstream of the diversion structure.	The Utility construction department shut down and repaired broken water main.
9/9/2019	CSO 020 Ninth Avenue	6.5	181,000	2:20 PM	8:50 PM	The permitted CSO overflowed due to a 8" water main break upstream of the diversion structure.	The Utility construction department shut down and repaired broken water main.

TABLE 3-1
SSO and CSS Releases
July 1, 2019 through December 31, 2019 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	CCTV Completed	
W	SSS	12/8/2019 6:45 AM	12/8/2019 10:30 AM	4140 N First Avenue	28410	284408	31131	3.75	125	Ground	Hydraulically Maximized	Commercial grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	No	
E	SSS	11/30/2019 1:00 PM	11/30/2019 4:45 PM	5317 Hitch Peters Road	7480	7479	23717	3.75	11,250	Ground	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No		
E	CSS	11/30/2019 12:45 PM	11/30/2019 4:45 PM	1475 E Diamond Avenue	12210	12209	14882	4	6,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	11/30/2019 11:00 AM	11/30/2019 1:00 PM	4721 Leah Drive	281517	281183	27212	2	200	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	11/30/2019 10:30 AM	11/30/2019 2:00 PM	4320 N First Avenue	283044	121061	15426	3.5	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	11/30/2019 9:15 AM	12/1/2019 4:00 AM	6601 E Oak Street	5840	5841	22948	18.75	28,125	Ground / Storm Sewer	Ground/Howell	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	CSS	11/30/2019 9:00 AM	11/30/2019 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	4.5	27,000	Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	11/30/2019 8:30 AM	11/30/2019 5:00 PM	711 W Mill Road	280751	3786	27329	8.5	25,500	Ground / Storm Sewer	Ground/Little Pigeon	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/30/2019 8:30 AM	11/30/2019 5:00 PM	1187 Burch Drive	10918	10923	24226	8.5	12,750	Creek Tributary	Ground/Howell	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	11/7/2019 9:45 AM	11/7/2019 8:00 AM	717 S Barker Avenue	283553	8369	30079	10.25	3,075	Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	CSS	10/21/2019 9:30 AM	10/21/2019 10:30 AM	1830 Ohio Street	NA	NA	1	3,000	Pigeon Creek	Equipment Failure	Air relief valve failed	Replaced valve	Yes	No	NA		
E	CSS	10/21/2019 8:00 AM	10/21/2019 10:00 AM	854 Covert Avenue	2527	2528	18406	2	100	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes	
E	SSS	9/3/2019 12:00 PM	9/3/2019 2:15 PM	3305 Pollack Avenue	3587	3588	7103	2.25	2,025	Ground/Raccoon Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	No	
W	SSS	8/18/2019 12:20 PM	8/19/2019 8:30 AM	8008 Pelican Pointe Drive	1209	NA	24715	20.17	10	Ground	Equipment Failure	Air relief valve failed	Replaced valve	Yes	No	NA	
W	SSS	8/5/2019 3:20 PM	8/5/2019 5:40 PM	4200 N Kentucky Avenue	9854	9760	15495	2.33	2,800	Ground	Equipment Failure	Partially closed bypass valve prevented bypass pump operation	Utility exercised valve to restore bypass pump operation	Yes	No	NA	
W	SSS	6/30/2019 7:45 PM	6/30/2019 11:45 PM	5900 Wickhamming Drive	7568	11083	8094	4	200	Basement Floor	Root infiltration	Sewer cleaned to remove roots	Precipitation event ended and collection system	Yes	No	Yes	
E	SSS	6/22/2019 8:45 AM	6/22/2019 9:15 AM	2720 Frisse Avenue	NA	NA	NA	0.5	150	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	6/22/2019 8:15 AM	6/22/2019 10:00 AM	5317 Hitch Peters Road	7480	7479	23717	1.75	5,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	6/22/2019 8:00 AM	6/22/2019 7:45 PM	6601 E Oak Street	5840	5841	22948	11.75	9,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	6/22/2019 7:15 AM	6/22/2019 8:30 AM	711 W Mill Road	280751	3786	27329	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	CSS	6/22/2019 6:45 AM	6/22/2019 8:00 AM	1475 E Diamond Avenue	12210	12209	14882	1.25	3,750	Ground/Storm Sewer	Ground/Little Pigeon	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/16/2019 8:45 PM	6/17/2019 12:30 AM	1187 Burch Drive	10918	10923	24226	2.75	8,250	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	6/16/2019 9:30 PM	6/17/2019 1:00 AM	711 W Mill Road	280751	3786	27329	3.5	10,500	Ground / Storm Sewer	Ground / Pigeon Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/11/2019 3:00 PM	6/12/2019 2:30 PM	4841 Millersburg Road	6073	NA	26847	23.5	1,440	Tributary	Equipment Failure	Air relief valve failed	Replaced valve	Yes	No	NA	
E	SSS	5/3/2019 7:30 AM	5/3/2019 10:45 PM	6601 E Oak Street	5840	5841	22948	15.25	29,625	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	4/20/2019 12:30 AM	4/20/2019 7:00 PM	6601 E Oak Street	5840	5841	22948	14.5	27,750	Ground / Storm Sewer	Ground / Pigeon Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/8/2019 8:05 AM	4/8/2019 9:00 AM	123 Fernwood Place	58407	58408	22052	0.92	110	Tributary	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes	
E	SSS	3/30/2019 3:30 PM	3/30/2019 11:00 PM	6601 E Oak Street	5840	5841	22948	7.5	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	3/30/2019 3:15 PM	3/30/2019 6:00 PM	5317 Hitch Peters Road	7480	7479	23717	2.75	8,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	3/30/2019 3:15 PM	3/30/2019 6:15 PM	711 W Mill Road	280751	3786	27329	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	SSS	3/21/2019 9:45 PM	3/26/2019 3:45 PM	1500 Russell Avenue	8146	8147	6455	5.5	660	Ground	Root Infiltration	Utility replaced sections of main sewer	Precipitation event ended and collection system	Yes	No	Yes	
W	SSS	3/29/2019 10:30 AM	3/29/2019 12:15 PM	700 Fairway Drive	9032	9029	22433	1.75	10,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	3/14/2019 1:00 PM	3/14/2019 5:00 PM	409 Strawberry Hill Road	10732	283104	15554	4	1,200	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	3/14/2019 8:00 AM	3/14/2019 5:00 PM	5317 Hitch Peters Road	7480	7479	23717	9	27,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	3/14/2019 8:00 AM	3/14/2019 3:00 PM	2020 S Green River Road	10097	10103	25087	7	21,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	3/14/2019 7:30 AM	3/15/2019 4:30 AM	6601 E Oak Street	5840	5841	22948	21	63,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	3/14/2019 7:00 AM	3/14/2019 5:00 PM	2024 Allens Lane	4760	131690	13561	10	30,000	Locust Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	3/14/2019 7:00 AM	3/14/2019 9:00 AM	99 W Diamond Avenue	15683	15677	22438	2	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	3/14/2019 4:00 AM	3/14/2019 5:00 PM	711 W Mill Road	280751	3786	27329	13	39,000	Ground / Storm Sewer	Ground/Howell	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/14/2019 3:15 AM	3/14/2019 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	12.25	24,000	Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	2/20/2019 6:15 PM	2/21/2019 3:15 PM	6007 Locust Drive	NA	NA	NA	21	12,600	Ground/Locust Creek	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes	NA	
W	SSS	2/20/2019 4:45 AM	2/20/2019 6:00 AM	4320 N First Avenue	283044	121061	15426	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	2/20/2019 3:15 AM	2/20/2019 6:45 AM	1187 Burch Drive	10918	10923	24226	3.5	39,000	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	2/20/2019 3:15 AM	2/20/2019 9:45 AM	5317 Hitch Peters Road	7480	7479	23717	6.5	19,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	2/20/2019 2:15 AM	2/20/2019 1:00 PM	6601 E Oak Street	5840	5841	22948	10.75	64,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	CSS	2/20/2019 12:30 AM	2/20/2019 6:45 AM	1475 E Diamond Avenue	12210	12209	14882	6.25	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	SSS	2/20/2019 12:15 AM	2/20/2019 9:45 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	2/11/2019 9:00 AM	2/12/2019 7:30 AM	6601 E Oak Street	5840	5841	22948	22.5	67,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	2/11/2019 8:30 AM	2/12/2019 9:30 AM	1906 Oak Hill Road	5125	5124	22003	25	132,000	Pigeon Creek	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, 2019 through December 31, 2019 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	CCTV Completed
W	SSS	2/11/2019 8:30 AM	2/11/2019 5:00 PM	711 W Mill Road	280751	3786	27329	8.5	1,530	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/8/2019 8:45 AM	2/8/2019 12:30 PM	670 Schutte Road	126052	NA	12254	3.75	60	Ground	Equipment Failure	Air relief valve failed	Replaced valve	Yes	No	NA
W	SSS	2/8/2019 6:00 AM	2/8/2019 6:30 AM	1822 N Denby Avenue	282229	12014	28805	0.5	100	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/7/2019 1:30 PM	2/7/2018 7:00 PM	600 Drexel Drive	126200	280660	12994	5.5	16,500	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/7/2019 12:45 PM	2/8/2018 6:45 PM	6601 E Oak Street	5840	5841	22948	30	108,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/7/2019 12:30 PM	2/7/2018 1:30 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
E	SSS	2/7/2019 12:30 PM	2/7/2018 8:00 PM	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
W	SSS	2/7/2019 12:30 PM	2/7/2018 4:00 PM	4320 N First Avenue	283044	121061	15426	3.5	21,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/7/2019 12:30 PM	2/7/2018 6:00 PM	711 W Mill Road	280751	3786	27329	5.5	33,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/7/2019 12:10 PM	2/7/2018 4:45 PM	2701 Saint George Road	7451	7450	8659	5	27,500	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	CSS	2/7/2019 11:45 AM	2/7/2018 4:00 PM	900 S Tekoppel Avenue	11298	8420	23658	4.25	26,000	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/6/2019 10:30 AM	2/6/2019 11:15 AM	3315 Margybeth Avenue	10197	10198	23932	0.75	675	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	2/2/2019 4:30 PM	2/2/2019 5:00 PM	2618 Glenview Drive	4629	4630	24422	0.5	60	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/23/2019 8:45 AM	1/23/2019 1:30 PM	600 Drexel Drive	126200	280660	12994	4.75	14,250	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	1/14/2019 12:00 PM	1/15/2019 9:00 AM	3700 Eastbrooke Drive	7360	7359	8644	21	200	Ground	Related	Fence installation damaged section of main sewer	Utility replaced section of main sewer	Yes	No	No
W	SSS	1/7/2019 8:00 AM	1/7/2019 2:30 PM	4016 W Maryland Street	11603	11445	23780	6.5	300	Ground	Rags	Utility main obstructed with rags	Sewer cleaned to remove rags	Yes	No	Yes
W	SSS	1/4/2019 1:10 PM	1/4/2019 2:00 PM	600 Drexel Drive	126200	280660	12994	0.83	2,500	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/31/2018 1:15 PM	12/31/2018 4:50 PM	99 W Diamond Avenue	15683	15677	22438	0.5	24,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/27/2018 3:30 PM	12/27/2018 4:30 PM	600 Drexel Drive	126200	280660	12994	1	3,000	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/19/2018 7:30 PM	12/19/2018 11:30 PM	7100 E Virginia Street	279510	279504	24724	4	25	Ground / Storm Sewer	Equipment Failure	Utility crossbore in sewer	Repaired section of damaged sewer	Yes	No	Yes
E	SSS	12/15/2018 9:00 AM	12/15/2018 11:30 PM	6601 E Oak Street	5840	5841	22948	15	87,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 7:45 AM	12/15/2018 12:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 3:05 AM	12/15/2018 6:55 AM	1187 Burch Drive	10918	10923	24226	3.83	46,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/15/2018 2:55 AM	12/15/2018 6:45 AM	5317 Hitch Peters Road	7480	7479	23717	3.83	11,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 2:30 AM	12/15/2018 6:30 AM	711 W Mill Road	280751	3786	27329	6	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	12/15/2018 1:00 AM	12/15/2018 2:00 AM	900 S Tekoppel Avenue	11298	8420	23658	1	12,000	Ground/Howell Welland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	6601 E Oak Street	5840	5841	22948	2	2,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	711 W Mill Road	280751	3786	27329	2.25	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/1/2018 7:45 AM	11/1/2018 8:30 AM	99 W Diamond Avenue	15683	15677	22438	0.75	36,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	10/2/2018 11:30 AM	10/2/2018 2:30 PM	5434 Miami Circle	NA	NA	NA	3	540	Ground	Related	Contractor damaged private force main sewer	Contractor repaired private force main sewer	No	Yes	NA
W	SSS	9/28/2018 9:45 AM	9/28/2018 1:45 PM	2803 Vermont Ct	9080	9079	24049	4	240	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	1187 Burch Drive	10918	10923	24226	2	24,000	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 1:30 PM	9/25/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	1475 E Diamond Avenue	12210	12209	14882	1	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	1	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Welland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 12:15 PM	9/25/2018 2:15 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	9/8/2018 12:30 PM	9/8/2018 1:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/8/2018 12:00 PM	9/8/2018 2:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/8/2018 11:45 AM	9/8/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	2.25	108,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Welland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	8/21/2018 5:25 PM	8/21/2018 6:05 PM	3315 Margybeth Avenue	10197	10198	23932	0.67	800	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	7/9/2018 8:15 AM	7/9/2018 1:45 PM	3800 Western Hills Avenue	11412	283981	27227	5.5	3,300	Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	No
E	SSS	6/25/2018 10:30 AM	6/25/2018 8:30 PM	6601 E Oak Street	5840	5841	22948	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	6/24/2018 9:45 PM	6/24/2018 10:15 PM	900 S Tekoppel Avenue	11298	8420	23658	0.5	6,000	Wetland	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, 2019 through December 31, 2019 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	CCTV Completed
W	SSS	6/12/2018 2:15 AM	6/12/2018 4:15 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/31/2018 12:15 PM	5/31/2018 1:00 PM	41 Oak Meadow	NA	NA	0.75	225		Tributary Ground	Power Failure	Power failure at Station	Generator activated	Yes	No	NA
W	SSS	5/9/2018 4:00 PM	5/10/2018 9:00 AM	1407 Sandalwood Court	11362	11356	13791	17	500	Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	No
W	CSS	4/3/2018 1:15 PM	4/7/2018 10:00 AM	717 S Barker Avenue	283553	8369	30079	44.75	2,800	Ground/Howell	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/2/2018 12:30 AM	4/2/2018 5:00 AM	6601 E Oak Street	5840	5841	22948	5	5,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/30/2018 2:15 PM	3/30/2018 6:30 PM	2727 N Evans Avenue	NA	NA	27041	4.25	748	Ground	Equipment Failure	Defective section of force main	Repaired section of force main	Yes	No	NA
E	SSS	3/29/2018 4:00 PM	3/30/2018 1:00 PM	6601 E Oak Street	5840	5841	22948	21	25,200	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/29/2018 1:20 PM	3/29/2018 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	0.17	1,000	Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/28/2018 8:45 AM	3/29/2018 2:00 PM	2550 N Baker Avenue	15680	15679	22437	29.25	93,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/12/2018 9:00 AM	3/12/2018 2:30 PM	8600 University Boulevard	282153	NA	28722	5.5	6,600	Creek Tributary	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes	No
W	SSS	3/11/2018 4:15 PM	3/11/2018 5:30 PM	7601 Clarke Lane	11303	126074	15557	1.25	750	Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	2/26/2018 9:50 AM	2/26/2018 11:30 AM	1401 Southfield Road	10461	10463	7026	1.67	500	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	2/24/2018 8:45 PM	2/24/2018 10:00 PM	1500 E Walnut Street	11927	11915	20332	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 8:45 PM	2/24/2018 10:15 PM	1757 Jeanette Avenue	69704	10032	23290	1.5	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 8:40 PM	2/24/2018 10:00 PM	1150 S Villa Drive	3689	282688	20021	1.33	16,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	2001 N Wenbach Avenue	5296	5302	22930	2	24,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	4108 Western Avenue	11445	11571	15704	2	14,400	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 8:30 PM	2/25/2018 2:00 AM	2020 S Green River Road	10097	10103	25087	5.5	13,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/24/2018 8:00 PM	2/25/2018 2:00 AM	802 S Barker Avenue	8368	8369	20640	6	72,000	Ground/Howell	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 7:30 PM	2/25/2018 2:00 AM	5317 Hitch Peters Road	7480	7479	23717	6.5	19,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 7:15 PM	2/24/2018 11:00 PM	2401 Cass Avenue	282990	282989	29577	4	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1713 Richardt Avenue	280925	5287	19894	5	15,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1475 E Diamond Avenue	12210	12209	14882	5	22,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/24/2018 5:00 PM	2/25/2018 3:00 PM	900 S Tekoppel Avenue	11298	8420	23658	22	132,000	Ground/Howell	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 5:00 PM	2/25/2018 2:30 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 3:00 PM	2/24/2018 9:00 PM	3531 Kensington Avenue	4117	4114	23495	6	250	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 3:00 PM	2/24/2018 9:00 PM	613 Greenleaf Drive	3757	96919	11415	6	300	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 9:00 AM	2/24/2018 11:00 AM	11802 N Green River Road	15232	15233	9448	2	12,000	Ground/Schlensker	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/23/2018 10:25 AM	2/23/2018 1:00 PM	2612 Kathleen Avenue	2912	2900	7665	2.58	500	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	2/23/2018 10:15 AM	2/23/2018 12:30 PM	2717 N Stockwell Road	73819	5667	15407	2.25	270	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/23/2018 10:15 AM	2/23/2018 1:00 PM	2622 Kathleen Avenue	2912	2900	7665	2.75	500	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	2/22/2018 3:45 PM	2/22/2018 7:00 PM	4516 Grace Court	7398	7396	8372	3.25	10	Basement Floor	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	2/22/2018 11:00 AM	2/24/2018 7:00 PM	6400 E Oak Street	5869	5889	7375	.56	600	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/22/2018 6:00 AM	2/26/2018 10:00 PM	6617 E Oak Street	7253	5839	14394	102	70,875	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6601 E Oak Street	5840	5841	22948	102	141,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/3/2018 9:45 AM	2/3/2018 10:30 AM	1214 N Ruston Avenue	2085	2063	24472	1.25	135	Street	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/24/2018 7:25 PM	1/24/2018 9:45 PM	811 Hartford Court	10655	9314	22413	2.33	5	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/22/2018 1:20 PM	1/22/2018 2:00 PM	726 Hanover Road	9253	9229	15455	0.67	200	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/22/2018 10:00 AM	1/22/2018 11:30 AM	612 Drexel Drive	126178	126177	12989	1.5	2,325	Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/2/2018 11:30 AM	1/2/2018 1:30 AM	5725 N First Avenue	9268	9379	11985	2	2,400	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	1/8/2018 8:30 AM	1/8/2018 9:15 AM	6600 Greencove Avenue	NA	2738	7735	0.75	10	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	1/23/2017 9:00 AM	1/23/2017 1:00 PM	854 Covert Avenue	2527	2528	18406	4	500	Basement Floor	Grease	Residential grease waste	Precipitation event ended and collection system returned to normal capacity	Yes	No	Yes
W	SSS	1/23/2017 1:30 AM	1/23/2017 6:00 AM	600 Drexel Drive	126200	280660	12994	4.5	13,500	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	1/1/2017 11:00 AM	1/1/2017 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 Schute Road	15002	15001	15575	0.50	3,000	Tributary	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	Creek	Roots	Root infiltration	Sewer cleaned to remove roots	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	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 PM	5317 Hitch Peters Road	7480	7479	23717	1.25	7,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	7/23/2017 6:45 AM	7/23/2017 7:30 AM	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/23/2017 6:45 AM	7/23/2017 8:00 PM	5801 Berry Lane	9324	10629	10358	1.25	5	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	6/3/2017 11:00 AM	6/23/2017 2:00 PM	7107 Locust Tree Lane	126053	LS	12250	3	360	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/11/2017 11:40 AM	5/11/2017 12:00 PM	2207 S Ruston Avenue	NA	2911	7671	0.33	20	Ground	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

TABLE 3-1
SSO and CSS Releases
July 1, 2019 through December 31, 2019 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	CCTV Completed
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	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	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	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/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 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/Carpenter Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 1:00 AM	4/29/2017 5:00 AM	4211 Western Avenue	11572	11576	15638	4	24,000	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	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	Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/9/2017 11:30 AM	4/9/2017 2:00 PM	5908 Shelburne Road	10642	11307	10067	2.5	250	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	3/29/2017 3:15 PM	3/29/2017 5:15 PM	6602 Pinehurst Avenue	NA	11014	29348	2	50	Debris	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 Schute Road	15029	129929	15569	1	200	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	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/7/2017 2:00 PM	3/7/2017 9:00 PM	2755 Wayside Drive	7291	7290	22745	7	21,000	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	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	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	27.75	830	Ground / Storm Sewer	Equipment Failure	Defective section of private sewer	Contactor 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	Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/28/2016 8:45 AM	11/28/2016 10:15 AM	5321 Chadwick Road	9528	9523	11684	1.5	65	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	11/8/2016 12:15 AM	11/8/2016 4:30 AM	1618 Lynch Road	280687	280688	26175	4.25	51,000	Creek Tributary	Equipment Failure	Broken water main damaged sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	9/12/2016 6:00 AM	9/12/2016 9:30 PM	360 S Rosemberger Avenue	283138	283137	29726	1.5	900	Ground/Storm Ditch	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	NA	
W	SSS	9/8/2016 9:00 AM	9/8/2016 10:00 AM	1900 Pueblo Pass	NA	NA	1	300	Ground	Grease	Pump failure at Private lift station	Restored pump operation	No	Yes	NA	
E	CSS	8/10/2016 11:15 AM	8/10/2016 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	3,375	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/4/2016 1:30 PM	8/4/2016 10:30 AM	7801 Bussing Road	NA	NA	24714	21	250	Ground	Equipment Failure	Air Relief valve failed	Replaced valve	Yes	No	NA
E	SSS	8/3/2016 4:30 PM	8/3/2016 6:30 PM	Pollack Avenue & Lynn Road	280521	14109	25200	2	600	Ground/Eagle Creek	Hydraulically Maximized	Residential grease waste in private sewer	Sewer cleaned to remove grease	Yes	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	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	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	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, 2019 through December 31, 2019 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	CCTV Completed
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 Rosemberger Avenue	283138	283137	29726	1	1,500	Ground/Storm Ditch	Residential grease waste in private sewer	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	5/24/2016 1:45 PM	5/24/2016 4:45 PM	431 Main Street	7999	283100	17541	3	100	Basement Floor	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	5/12/2016 3:00 AM	5/12/2016 4:10 AM	600 Drexel Drive	126200	280660	12994	1.16	7,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	1187 Burch Drive	10918	10923	24226	3.5	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	10,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	3.5	15,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/12/2016 2:00 AM	5/12/2016 6:00 AM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	5/12/2016 1:30 AM	5/12/2016 2:50 AM	900 S Tekoppel Avenue	11298	8420	23658	1.33	32,000	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	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
WW	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
WW	SSS	3/1/2016 12:30 PM	3/1/2016 1:45 PM	3900 Clarendon Avenue	11194	11247	13446	1.25	375	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/10/2016 5:00 PM	3/10/2016 9:00 PM	7616 Bellemeade Avenue	7138	7105	23303	4	4,800	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/10/2016 4:30 PM	3/11/2016 7:00 AM	2808 Longacre Drive	7331	281808	28347	27	31,800	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	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	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	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/2/2016 7:15 PM	2/2/2016 7:30 PM	2001 N Weinbach Avenue	5296	5302	22930	0.25	3,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/2/2016 7:00 PM	2/2/2016 10:00 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/2/2016 6:45 PM	2/2/2016 8:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	36,000	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

TABLE 3-1
SSO and CSS Releases
July 1, 2019 through December 31, 2019 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	CCTV Completed	
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	Sewer cleaned to remove debris	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	8057	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	Sewer cleaned to remove grease	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 6:30 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	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	7/3/2015 7:00 PM	7/4/2015 12:00 PM	3204 Martin Avenue	8920	8921	20692	17	1,020	Ground/Carpenter Creek Tributary	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes	
W	SSS	6/27/2015 5:00 AM	6/27/2015 5:15 AM	17450 Highway 41 N	37530	LS	15307	0.25	300	Ground	Equipment Failure	Pump failure at PPG lift station	Restored pump operation	Yes	No	NA	
W	SSS	6/22/2015 9:00 AM	6/22/2015 10:30 AM	1019 Saint George Road	9786	9785	13111	1.5	100	Ground	Hydraulically Maximized	Manhole had evidence of release from rain event	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	6/20/2015 8:30 AM	6/20/2015 9:30 AM	11802 N Green River Road	15232	15233	9448	1	3,000	Ground/Schlensker Creek Tributary	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 Bergolt Road	7381	7380	14990	5	15,000	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	6/20/2015 12:30 AM	6/20/2015 8:00 AM	5317 Hitch Peters Road	7480	7479	23717	7.5	22,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	6/20/2015 12:30 AM	6/20/2015 2:00 AM	2701 N Stockwell Road	73819	5667	15407	1.5	9,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
W	SSS	6/20/2015 12:30 AM	6/20/2015 2:00 AM	41 Oak Meadow	NA	NA	NA	1.5	900	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6617 E Oak Street	7253	5839	14394	16	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6601 E Oak Street	5840	5841	22948	16	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No	
E	SSS	6/20/2015 12:00 AM	6/20/2015 5:00 AM	1757 Jeannette 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 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 11:45 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	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	

TABLE 3-1

SSO and CSS Releases

July 1, 2019 through December 31, 2019 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	CCTV Completed
W	SSS	5/28/2015 10:45 AM	5/28/2015 3:30 PM	6815 Broadway Avenue	NA	NA	12780	4.75	42,750	Tributary	Construction Related	Soil boring contractor damaged 12" force main sewer	Private contractor replaced section of damaged force main	Yes	No	NA
W	SSS	5/19/2015 2:30 PM	5/19/2015 3:30 PM	5637 Forest Avenue	14354	14350	13982	1	600	Private Lake	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	Ground/Bayou 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	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	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 Twickenham Drive	11087	NA	8104	1.25	150	Ground/Little Pigeon Creek Tributary	Equipment Failure	Tangled pump float cords	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	Collection System 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	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 1:40 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 LaBonna 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 1:30 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	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	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	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	11	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	11	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/10/2015 12:00 PM	3/10/2015 5:15 PM	711 W Mill Road	280751	3786	27329	5.25	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/10/2015 12:00 PM	3/10/2015 2:00 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	3/10/2015 12:00 PM	3/10/2015 1:00 PM	1713 Richardt Avenue	280925	5287	19894	1	600	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	3/10/2015 11:30 AM	3/10/2015 3:30 PM	1475 E Diamond Avenue	12210	12209	14882	4	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/6/2015 7:40 AM	3/6/2015 11:30 AM	324 Euclid Drive	6318	6317	6725	3.83	10	Ground	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No	Yes
E	SSS	3/4/2015 1:00 AM	3/4/2015 4:45 PM	544 Wilson Square	7235	7234	22509	3.75	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/4/2015 12:15 AM	3/4/2015 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	5.75	6,900	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/4/2015 12:15 AM	3/4/2015 11:00 PM	6616 Lincoln Avenue	5839	5840	14395	22.75	68,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/4/2015 12:00 AM	3/4/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	23	41,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/5/2015 11:45 PM	3/4/2015 11:30 AM	4211 Western Avenue	11572	11576	15638	11.75	35,250	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/3/2015 11:45 PM	3/4/2015 1:30 PM	711 W Mill Road	280751	3786	27329	13.75	82,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/3/2015 10:40 PM	3/4/2015 12:25 AM	600 Drexel Drive	126200	280660	12994	1.75	5,250	Tributary	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	Yes
W	SSS	3/3/2015 6:20 PM	3/3/2015 7:40 PM	5705 N First Avenue	9267	16542	16542	1.33	4,000	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	2/18/2015 4:15 PM	2/18/2015 5:45 PM	1618 Irvington Avenue	2381	2382	12436	1.5	10	Basement Floor	Equipment Failure	Defective section of main sewer	Utility to repair section of sewer	Yes	No	Yes
W	CSS	2/10/2015 1:20 PM	2/10/2015 2:15 PM	2418 Joan Place	12417	12405	14592	0.92	75	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	2/5/2015 2:30 PM	2/5/2015 4:05 PM	3635 Pollack Avenue	10194	10199	23937	1.58	15	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	2/4/2015 2:30 PM	2/4/2015 4:00 PM	5910 Foxboro Lane	10648	10646	10071	1.5	30	Garage Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	2/1/2015 3:25 PM	2/1/2015 4:55 PM	3220 Mount Vernon Avenue	8909	8908	21615	1.5	3,600	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/31/2015 11:30 AM	1/31/2015 1:15 PM	3204 Martin Avenue	8921	8907	19701	1.75	2,625	Ground/Storm Sewer	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes

TABLE 3-1

TABLE 3-1

SSO and CSS Releases

July 1, 2019 through December 31, 2019 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	CCTV Completed
W	SSS	1/21/2015 4:55 PM	1/21/2015 6:00 PM	813 Stonebridge Road	10630	10660	22417	1.08	65	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	1/3/2015 10:15 AM	1/3/2015 12:30 PM	4211 Western Avenue	11572	11576	15638	2.25	6,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	1/3/2015 10:00 AM	1/3/2015 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	2	6,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	1/3/2015 10:00 AM	1/3/2015 2:15 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/26/2014 8:30 AM	12/26/2014 8:50 AM	6514 Newburgh Road	5819	5429	7349	0.33	20	Ground/Carpenter Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	12/5/2014 5:30 PM	12/5/2014 6:45 PM	4211 Western Avenue	11572	11576	15638	1.25	3,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	12/5/2014 5:30 PM	12/5/2014 6:15 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/5/2014 5:15 PM	12/5/2014 7:00 PM	711 W Mill Road	280751	3786	27329	1.75	10,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/5/2014 3:30 PM	12/5/2014 4:15 PM	608 S Craig Avenue	11192	11193	13436	0.75	200	Crawlspac	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	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 Margy/beth 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	11/11/2014 11:00 AM	11/11/2014 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 Shiffield Drive	NA	9334	23647	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	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 Heidelbach Avenue	4884	282375	5785	2.75	50	Basement Floor	Debris	Debris in sewer	Precipitation event ended and collection system	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	Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	8/20/2014 4:45 PM	8/20/2014 4:55 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 4:00 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/Carpenter 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 Ground/Wolf 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	7/2/2014 8:45 AM	7/2/2014 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 4:15 PM	7/19/2014 7:15 PM	2559 Helmuth Avenue	3992	3991	24006	2	50	Crawlspac	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	7/2/2014 9:15 AM	7/2/2014 9:45 AM	705 Irvin Avenue	6471	6467	14895	0.5	30	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	7/1/2014 7:00 PM	7/1/2014 10:15 PM	5317 Hitch Peters Road	7480	7479	23717	3.25	9,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/1/2014 6:50 PM	7/1/2014 8:25 PM	600 Drexel Drive	126200	280660	12994	1.58	1,900	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/1/2014 6:30 PM	7/1/2014 10:45 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	7/1/2014 6:30 PM	7/1/2014 8:20 PM	1475 E Diamond Avenue	12210	12209	14882	1.83	5,500	Ground/Storm Sewer	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	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1

TABLE 3-2
 Recurring SSO and CSS Release Locations
 July 1, 2019 through December 31, 2019 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	11/7/2019 9:45 AM	11/7/2019 8:00 AM	717 S Barker Avenue	283553	8369	30079	10.25	3,075	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	4/3/2018 1:15 PM	4/7/2018 10:00 AM	717 S Barker Avenue	283553	8369	30079	44.75	2,800	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	10/21/2019 8:00 AM	10/21/2019 10:00 AM	854 Covert Avenue	2527	2528	18406	2	100	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
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
W	SSS	11/30/2019 10:30 AM	11/30/2019 2:00 PM	4320 N First Avenue	283044	121061	15426	3.5	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/20/2019 4:45 AM	2/20/2019 6:00 AM	4320 N First Avenue	283044	121061	15426	1.25	7,500	Ground / Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/7/2019 12:30 PM	2/7/2018 4:00 PM	4320 N First Avenue	283044	121061	15426	3.5	21,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/7/2019 12:10 PM	2/7/2018 4:45 PM	2701 Saint George Road	7451	7450	8659	5	27,500	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	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
W	SSS	3/14/2019 7:00 AM	3/14/2019 9:00 AM	99 W Diamond Avenue	15683	15677	22438	2	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/31/2018 1:15 PM	12/31/2018 1:45 PM	99 W Diamond Avenue	15683	15677	22438	0.5	24,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/1/2018 7:45 AM	11/1/2018 8:30 AM	99 W Diamond Avenue	15683	15677	22438	0.75	36,000	Pigeon Creek Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	1	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/8/2018 11:45 AM	9/8/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	2.25	108,000	Pigeon Creek Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/6/2019 10:30 AM	2/6/2019 11:15 AM	3315 Margybeth Avenue	10197	10198	23932	0.75	675	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	8/21/2018 5:25 PM	8/21/2018 6:05 PM	3315 Margybeth Avenue	10197	10198	23932	0.67	800	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	11/10/2014 7:45 AM	11/10/2014 9:00 AM	3315 Margybeth Avenue	10197	10198	23932	1.25	1,500	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	2/24/2018 9:00 AM	2/24/2018 11:00 AM	11802 N Green River Road	15232	15233	9448	2	12,000	Ground/Schlensker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/20/2015 8:30 AM	6/20/2015 9:30 AM	11802 N Green River Road	15232	15233	9448	1	3,000	Ground/Schlensker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/23/2018 10:25 AM	2/23/2018 1:00 PM	2612 Kathleen Avenue	2912	2900	7665	2.58	500	Basement Floor	Unknown	Utility to CCTV Sewer	Yes	No	
E	SSS	2/23/2018 10:15 AM	2/23/2018 1:00 PM	2622 Kathleen Avenue	2912	2900	7665	2.75	500	Basement Floor	Unknown	Utility to CCTV Sewer	Yes	No	
W	SSS	1/22/2018 1:20 PM	1/22/2018 2:00 PM	726 Hanover Road	9253	9229	15455	0.67	200	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	7/10/2015 8:30 AM	7/10/2015 8:50 AM	726 Hanover Road	9253	9229	15455	0.33	1,000	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	6/23/2017 11:00 AM	6/23/2017 2:00 PM	7107 Locust Tree Lane	126053	LS	12250	3	360	Ground/Bayou Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/10/2016 6:35 AM	1/10/2016 7:10 AM	7107 Locust Tree Lane	126053	LS	12250	0.58	105	Ground	Equipment Failure	Pump failure at Locust Tree Lane lift station	Restored pump operation	Yes	No
W	CSS	4/16/2017 4:15 PM	4/16/2017 5:15 PM	600 S Barker Avenue	8406	283165	23743	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	7/3/2016 7:30 PM	7/3/2016 8:00 PM	600 S Barker Avenue	8406	283165	23743	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/12/2016 8:00 AM	9/12/2016 9:30 PM	360 S Rosenthaler 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 Rosenthaler Avenue	283138	283137	29726	1	1,500	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes
E	SSS	9/8/2016 9:00 AM	9/8/2016 10:00 AM	1900 Pueblo Pass	NA	NA	NA	1	300	Ground	Grease	Pump failure at Private lift station	Restored pump operation	No	Yes
E	SSS	4/17/2015 12:15 PM	4/17/2015 1:15 PM	1900 Pueblo Pass	NA	NA	NA	1	300	Ground	Grease	Residential grease waste on private lift station floats	Grease removed by private maintenance crew	No	Yes
E	SSS	2/24/2018 7:15 PM	2/24/2018 11:00 PM	2401 Cass Avenue	282990	282989	29577	4	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 10:00 AM	5/5/2017 2:00 PM	2401 Cass Avenue	282990	282989	29577	4	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/16/2017 5:00 PM	4/16/2017 9:00 PM	2401 Cass Avenue	282990	282989	29577	4	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/2/2016 7:45 PM	2/2/2016 11:00 AM	2401 Cass Avenue	282990	282989	29577	3	9,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	11/1/2014 11:00 AM	11/1/2014 1:00 PM	2401 Cass Avenue	282990	282989	29577	2	24,000	Ground/Storm Sewer	Construction Related	Contractor damaged 8" water main that inundated the CSS	Contractor shut down and repaired broken water main	Yes	No
E	SSS	7/7/2015 5:15 PM	7/7/2015 6:00 PM	313 Polster Drive	6318	6317	6725	0.75	50	Ground	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No
E	SSS	3/6/2015 7:40 AM	3/6/2015 11:30 AM	324 Euclid Drive	6318	6317	6725	3.83	10	Ground	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No
E	SSS	2/24/2018 8:45 PM	2/24/2018 10:15 PM	1757 Jeanette Avenue	69704	10032	23290	1.5	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 5:00 AM	1757 Jeanette Avenue	69704	10032	23290	5	30,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1713 Richardt Avenue	280925	5287</td									

TABLE 3-2
 Recurring SSO and CSS Release Locations
 July 1, 2019 through December 31, 2019 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date		End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
															EWSU System	Private Property
E	SSS	4/29/2017 3:00 AM	4/29/2017 8:00 AM	2701 N Stockwell Road	73819	5667	15407	5	30,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	6/20/2015 12:30 AM	6/20/2015 2:00 AM	2701 N Stockwell Road	73819	5667	15407	1.5	9,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	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	11/30/2019 1:00 PM	11/30/2019 4:45 PM	5317 Hitch Peters Road	7480	7479	23717	3.75	11,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	6/22/2019 8:15 AM	6/22/2019 10:00 AM	5317 Hitch Peters Road	7480	7479	23717	1.75	5,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	3/30/2019 3:15 PM	3/30/2019 6:00 PM	5317 Hitch Peters Road	7480	7479	23717	2.75	8,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	3/14/2019 8:00 AM	3/14/2019 5:00 PM	5317 Hitch Peters Road	7480	7479	23717	9	27,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/20/2019 3:15 AM	2/20/2019 9:45 AM	5317 Hitch Peters Road	7480	7479	23717	6.5	19,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/7/2019 12:30 PM	2/7/2018 8:00 PM	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	12/31/2018 2:00 PM	12/31/2018 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	12/15/2018 2:55 AM	12/15/2018 6:45 AM	5317 Hitch Peters Road	7480	7479	23717	3.83	11,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/24/2018 7:30 PM	2/25/2018 2:00 AM	5317 Hitch Peters Road	7480	7479	23717	6.5	19,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	7/23/2017 7:00 AM	7/23/2017 8:15 AM	5317 Hitch Peters Road	7480	7479	23717	1.25	7,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	5317 Hitch Peters Road	7480	7479	23717	5	15,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	4/29/2017 2:00 AM	4/29/2017 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	13	39,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	5.5	16,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	6/26/2016 10:30 PM	6/27/2016 1:00 AM	5317 Hitch Peters Road	7480	7479	23717	2.5	11,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	3.5	15,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	4/27/2016 7:30 PM	4/27/2016 10:30 PM	5317 Hitch Peters Road	7480	7479	23717	3	13,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:00 PM	5317 Hitch Peters Road	7480	7479	23717	3.5	15,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	12/28/2015 2:00 PM	12/28/2015 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	3,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	6/20/2015 12:30 AM	6/20/2015 8:00 AM	5317 Hitch Peters Road	7480	7479	23717	7.5	22,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	4/3/2015 3:45 AM	4/3/2015 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	11.25	23,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	3/13/2015 11:00 AM	3/14/2015 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	19	22,800	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	3/4/2015 12:15 AM	3/4/2015 6:00 AM	5317 Hitch Peters Road	7480	7479	23717	5.75	6,900	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	7/1/2014 7:00 PM	7/1/2014 10:15 PM	5317 Hitch Peters Road	7480	7479	23717	3.25	9,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6617 E Oak Street	7253	5839	14394	102	70,875	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6617 E Oak Street	7253	5839	14394	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	7/10/2015 8:30 AM	7/10/2015 8:00 PM	6617 E Oak Street	7253	5839	14394	11.5	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6617 E Oak Street	7253	5839	14394	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6617 E Oak Street	7253	5839	14394	16.0	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	4/3/2015 4:30 AM	4/4/2015 1:45 AM	6617 E Oak Street	7253	5839	14394	21.3	109,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	3/13/2015 1:30 PM	3/15/2015 1:00 AM	6617 E Oak Street	7253	5839	14394	35.5	213,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	11.00	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	4108 Western Avenue	11445	11571	15704	2	14,400	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/7/2017 9:00 AM	3/7/2017 1:00 PM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	7/3/2016 7:30 PM	7/4/2016 11:00 AM	4108 Western Avenue	11445	11571	15704									

TABLE 3-2
 Recurring SSO and CSS Release Locations
 July 1, 2019 through December 31, 2019 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date		End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
															EWSU System	Private Property
W	SSS	2/2/2016 7:15 PM	2/2/2016 10:30 PM	4108 Western Avenue	11445	11571	15704	3.25	9,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4108 Western Avenue	11445	11571	15704	3.92	7,050	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	11/17/2015 8:35 AM	11/17/2015 10:30 AM	4108 Western Avenue	11445	11571	15704	1.92	5,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/25/2018 12:15 PM	9/25/2018 2:15 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	4/29/2017 1:00 AM	4/29/2017 5:00 AM	4211 Western Avenue	11572	11576	15638	4	24,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	4/27/2016 8:45 PM	4/27/2016 10:30 PM	4211 Western Avenue	11572	11576	15638	1.75	2,100	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/10/2016 1:00 PM	3/10/2016 7:00 PM	4211 Western Avenue	11572	11576	15638	6	7,200	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/27/2015 9:00 AM	12/27/2015 12:00 PM	4211 Western Avenue	11572	11576	15638	3	3,600	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4211 Western Avenue	11572	11576	15638	3.92	4,700	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	11/17/2015 8:30 AM	11/17/2015 10:30 AM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	4211 Western Avenue	11572	11576	15638	1	3,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	6/19/2015 10:30 PM	6/20/2015 5:30 AM	4211 Western Avenue	11572	11576	15638	7	21,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	4/3/2015 3:30 AM	4/3/2015 3:00 PM	4211 Western Avenue	11572	11576	15638	11.5	31,500	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/13/2015 10:00 AM	3/14/2015 7:00 AM	4211 Western Avenue	11572	11576	15638	21	63,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/10/2015 12:00 PM	3/10/2015 2:00 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/3/2015 11:45 PM	3/4/2015 11:30 AM	4211 Western Avenue	11572	11576	15638	11.75	35,250	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	1/3/2015 10:15 AM	1/3/2015 12:30 PM	4211 Western Avenue	11572	11576	15638	2.25	6,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/5/2014 5:30 PM	12/5/2014 6:45 PM	4211 Western Avenue	11572	11576	15638	1.25	3,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	10/13/2014 6:15 PM	10/13/2014 7:15 PM	4211 Western Avenue	11572	11576	15638	1	1,500	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	8/17/2014 8:30 AM	8/17/2014 10:00 AM	4211 Western Avenue	11572	11576	15638	1.5	6,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	7/1/2014 6:15 PM	7/1/2014 10:30 PM	4211 Western Avenue	11572	11576	15638	4.25	19,125	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/29/2019 10:30 AM	3/29/2019 12:15 PM	700 Fairway Drive	9032	9029	22433	1.75	10,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	8/17/2014 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	
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	3/14/2019 8:00 AM	3/14/2019 3:00 PM	2020 S Green River Road	10097	10103	25087	7	21,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/24/2018 8:30 PM	2/25/2018 2:00 AM	2020 S Green River Road	10097	10103	25087	5.5	13,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	5/5/2017 10:00 AM	5/5/2017 11:30 AM	2020 S Green River Road	10097	10103	25087	1.5	2,250	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	4/16/2017 4:45 PM	4/16/2017 7:45 PM	2020 S Green River Road	10097	10103	25087	3	9,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	7/4/2016 9:00 AM	7/4/2016 12:15 PM	2020 S Green River Road	10097	10103	25087	3.25	9,750	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	4/27/2016 7:00 PM	4/27/2016 9:30 PM	2020 S Green River Road	10097	10103	25087	2.5	3,750	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:30 PM	2020 S Green River Road	10097	10103	25087	4	12,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	6/20/2015 12:00 AM	6/20/2015 6:30 AM	2020 S Green River Road	10097	10103	25087	6.5	19,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	11/30/2019 8:30 AM	11/30/2019 5:00 PM	1187 Burch Drive	10918	10923	24226	8.5	12,750	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	6/16/2019 9:45 PM	6/17/2019 12:30 AM	1187 Burch Drive	10918	10923	24226	2.75	8,250	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	2/20/2019 3:15 AM	2/20/2019 6:45 AM	1187 Burch Drive	10918	10923	24226	3.5	39,000	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	12/15/2018 3:05 AM	12/15/2018 6:55 AM	1187 Burch Drive	10918	10923	24226	3.83	46,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	1187 Burch Drive	10918	10923	24226	2	24,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	7/23/2017 7:0														

TABLE 3-2
 Recurring SSO and CSS Release Locations
 July 1, 2019 through December 31, 2019 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	7/4/2016 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
E	SSS	11/30/2019 9:15 AM	12/1/2019 4:00 AM	6601 E Oak Street	5840	5841	22948	18.75	28,125	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/22/2019 8:00 AM	6/22/2019 7:45 PM	6601 E Oak Street	5840	5841	22948	11.75	9,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/3/2019 7:30 AM	5/3/2019 10:45 PM	6601 E Oak Street	5840	5841	22948	15.25	29,625	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/20/2019 12:30 AM	4/20/2019 7:00 PM	6601 E Oak Street	5840	5841	22948	14.5	27,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/30/2019 3:30 PM	3/30/2019 11:00 PM	6601 E Oak Street	5840	5841	22948	7.5	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	3/14/2019 7:30 AM	3/15/2019 4:30 AM	6601 E Oak Street	5840	5841	22948	21.00	63,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/20/2019 2:15 AM	2/20/2019 1:00 PM	6601 E Oak Street	5840	5841	22948	10.75	64,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/11/2019 9:00 AM	2/12/2019 7:30 AM	6601 E Oak Street	5840	5841	22948	22.5	67,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/7/2019 12:45 PM	2/7/2018 6:45 PM	6601 E Oak Street	5840	5841	22948	6	108,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/15/2018 9:00 AM	12/15/2018 11:30 PM	6601 E Oak Street	5840	5841	22948	15	87,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	6601 E Oak Street	5840	5841	22948	2	2,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/25/2018 10:30 AM	6/25/2018 8:30 PM	6601 E Oak Street	5840	5841	22948	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/2/2018 12:30 AM	4/2/2018 5:00 AM	6601 E Oak Street	5840	5841	22948	5	5,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/29/2018 4:00 PM	3/30/2018 1:00 PM	6601 E Oak Street	5840	5841	22948	21	25,200	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6601 E Oak Street	5840	5841	22948	102	141,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 7:30 AM	5/6/2017 12:30 AM	6601 E Oak Street	5840	5841	22948	17	51,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/29/2017 9:00 AM	4/30/2017 10:00 PM	6601 E Oak Street	5840	5841	22948	37	54,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/4/2016 9:15 AM	7/4/2016 3:00 PM	6601 E Oak Street	5840	5841	22948	6	17,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/27/2016 7:30 PM	4/28/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/10/2016 1:30 PM	3/10/2016 8:00 PM	6601 E Oak Street	5840	5841	22948	7	83,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/2/2016 7:45 PM	2/3/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/10/2015 8:30 AM	7/10/2015 7:00 PM	6601 E Oak Street	5840	5841	22948	10.5	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6601 E Oak Street	5840	5841	22948	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	6/20/2015 12:00 AM	6/20/2015 4:00 PM	6601 E Oak Street	5840	5841	22948	16.0	96,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/3/2015 4:30 AM	4/4/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	21.5	111,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/13/2015 1:15 PM	3/15/2015 1:00 AM	6601 E Oak Street	5840	5841	22948	35.8	214,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/10/2015 12:00 PM	3/10/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	11.0	66,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/4/2015 12:00 AM	3/4/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	23.0	41,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
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	3/28/2018 8:45 AM	3/29/2018 2:00 PM	2550 N Baker Avenue	15680	15679	22437	29.25	93,750	Pigeon Creek Tributary	Hydraulically Maximized				

TABLE 3-2
 Recurring SSO and CSS Release Locations
 July 1, 2019 through December 31, 2019 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	6/20/2015	12:30 AM	6/20/2015	2:00 AM	41 Oak Meadow	NA	NA	NA	1.5	900	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	11/30/2019	12:45 PM	11/30/2019	4:45 PM	1475 E Diamond Avenue	12210	12209	14882	4	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	6/22/2019	6:45 AM	6/22/2019	8:00 AM	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	2/20/2019	12:30 AM	2/20/2019	6:45 AM	1475 E Diamond Avenue	12210	12209	14882	6.25	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	2/7/2019	12:30 PM	2/7/2018	1:30 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	9/25/2018	1:00 PM	9/25/2018	2:00 PM	1475 E Diamond Avenue	12210	12209	14882	1	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	9/8/2018	12:30 PM	9/8/2018	1:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/24/2018	6:00 PM	2/24/2018	11:00 PM	1475 E Diamond Avenue	12210	12209	14882	5	22,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	5/5/2017	7:00 AM	5/5/2017	10:30 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	15,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/29/2017	12:30 AM	4/29/2017	12:00 PM	1475 E Diamond Avenue	12210	12209	14882	11.5	21,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	8/10/2016	11:15 AM	8/10/2016	12:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	3,375	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/27/2016	6:30 PM	7/27/2016	7:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.5	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/3/2016	8:00 PM	7/4/2016	11:30 AM	1475 E Diamond Avenue	12210	12209	14882	15.5	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	6/26/2016	10:30 PM	6/26/2016	11:45 PM	1475 E Diamond Avenue	12210	12209	14882	1.25	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	5/12/2016	2:30 AM	5/12/2016	6:00 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	10,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/27/2016	7:30 PM	4/27/2016	10:30 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/10/2016	3:15 PM	3/10/2016	6:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.75	8,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/2/2016	7:00 PM	2/2/2016	10:00 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	12/28/2015	1:30 PM	12/28/2015	4:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.5	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/7/2015	3:30 PM	7/7/2015	4:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	3,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	6/19/2015	10:30 PM	6/20/2015	5:00 AM	1475 E Diamond Avenue	12210	12209	14882	6.5	19,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/3/2015	3:00 AM	4/3/2015	3:30 PM	1475 E Diamond Avenue	12210	12209	14882	12.5	28,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/13/2015	11:00 AM	3/13/2015	7:30 PM	1475 E Diamond Avenue	12210	12209	14882	8.5	25,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/10/2015	11:30 AM	3/10/2015	3:30 PM	1475 E Diamond Avenue	12210	12209	14882	4	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	1/3/2015	10:00 AM	1/3/2015	12:00 PM	1475 E Diamond Avenue	12210	12209	14882	2	6,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	12/5/2014	5:30 PM	12/5/2014	6:15 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	8/28/2014	7:00 PM	8/28/2014	8:30 PM	1475 E Diamond Avenue	12210	12209	14882	1.5	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	8/17/2014	8:40 AM	8/17/2014	11:15 AM	1475 E Diamond Avenue	12210	12209	14882	2.58	7,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/1/2014	6:30 PM	7/1/2014	8:20 PM	1475 E Diamond Avenue	12210	12209	14882	1.83	5,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/24/2018	8:30 PM	2/24/2018	10:30 PM	2001 N Weinbach Avenue	5296	5302	22930	2	24,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/2/2016	7:15 PM	2/2/2016	7:30 PM	2001 N Weinbach Avenue	5296	5302	22930	0.25	3,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	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
W	SSS	2/7/2019	1:30 PM	2/7/2018	7:00 PM	600 Drexel Drive	126200	280660	12994	5.5	16,500	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/23/2019	8:45 AM	1/23/2019	1:30 PM	600 Drexel Drive	126200	280660	12994	4.75	14,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/4/2019	1:10 PM	1/4/2019	2:00 PM	600 Drexel Drive	126200	280660	12994	0.83	2,500	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/27/2018	3:30 PM	12/27/2018	4:30 PM	600 Drexel Drive	126200	280660	12994	1	3,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/15/2018	7:45 AM	12/1													

TABLE 3-2
 Recurring SSO and CSS Release Locations
 July 1, 2019 through December 31, 2019 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	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	Tributary Ground/Wolf Creek	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	Tributary Ground/Wolf 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	Tributary Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/3/2015 10:40 PM	3/4/2015 12:25 AM	600 Drexel Drive	126200	280660	12994	1.75	5,250	Tributary Ground/Wolf Creek	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	Tributary Ground/Wolf Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	11/30/2019 8:30 AM	11/30/2019 5:00 PM	711 W Mill Road	280751	3786	27329	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	6/22/2019 7:15 AM	6/22/2019 8:30 AM	711 W Mill Road	280751	3786	27329	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	
W	SSS	6/16/2019 9:30 PM	6/17/2019 1:00 AM	711 W Mill Road	280751	3786	27329	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	
W	SSS	3/30/2019 3:15 PM	3/30/2019 6:15 PM	711 W Mill Road	280751	3786	27329	3	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/14/2019 4:00 AM	3/14/2019 5:00 PM	711 W Mill Road	280751	3786	27329	13	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	2/20/2019 12:15 AM	2/20/2019 9:45 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/11/2019 8:30 AM	2/11/2019 5:00 PM	711 W Mill Road	280751	3786	27329	8.5	1,530	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/7/2019 12:30 PM	2/7/2018 6:00 PM	711 W Mill Road	280751	3786	27329	5.5	33,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/15/2018 2:30 AM	12/15/2018 6:30 AM	711 W Mill Road	280751	3786	27329	6	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	711 W Mill Road	280751	3786	27329	2.25	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/25/2018 1:30 PM	9/25/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/8/2018 12:00 PM	9/8/2018 2:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/24/2018 5:00 PM	2/25/2018 2:30 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	4/29/2017 12:30 AM	4/29/2017 1:30 PM	711 W Mill Road	280751	3786	27329	13	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	7/4/2016 9:00 AM	7/4/2016 10:30 AM	711 W Mill Road	280751	3786	27329	1.5	4,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/2/2016 7:30 PM	2/2/2016 10:30 PM	711 W Mill Road	280751	3786	27329	3	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	3,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/23/2015 4:45 PM	12/23/2015 6:00 PM	711 W Mill Road	280751	3786	27329	2	3,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	11/17/2015 9:00 AM	11/17/2015 11:00 AM	711 W Mill Road	280751	3786	27329	2	6,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	6/19/2015 11:30 PM	6/20/2015 5:30 AM	711 W Mill Road	280751	3786	27329	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	4/19/2015 10:30 AM	4/19/2015 8:30 PM	711 W Mill Road	280751	3786	27329	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	4/10/2015 12:45 AM	4/10/2015 2:00 AM	711 W Mill Road	280751	3786	27329	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	4/3/2015 3:15 AM	4/3/2015 4:00 PM	711 W Mill Road	280751	3786	27329	12.75	83,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/13/2015 10:30 AM	3/14/2015 8:30 AM	711 W Mill Road	280751	3786	27329	22	132,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/10/2015 12:00 PM	3/10/2015 5:15 PM	711 W Mill Road	280751	3786	27329	5.25	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/3/2015 11:45 PM	3/4/2015 1:30 PM	711 W Mill Road	280751	3786	27329	13.75	82,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	1/3/2015 10:00 AM	1/3/2015 2:15 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/5/2014 5:15 PM	12/5/2014 7:00 PM	711 W Mill Road	280751	3786	27329	1.75	10,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	8/17/2014 9:00 AM	8/17/2014 11:10 AM	711 W Mill Road	280751	3786	27329	2.16	13,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	7/1/2014 6:30 PM	7/1/2014 10:45 PM	711 W Mill Road	280751	3786	27329	4.25	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	11/30/2019 9:00 AM	11/30/2019 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	4.5	27,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	3/14/2019 3:15 AM	3/14/2019 1:30 PM	900 S Tekoppel Avenue	11298	8420										

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2019 through December 31, 2019 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	Source of Issue		
													EWSU System	Private Property	
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	returned to normal capacity	Yes	No
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	returned to normal capacity	Yes	No
W	CSS	6/24/2018 9:45 PM	6/24/2018 10:15 PM	900 S Tekoppel Avenue	11298	8420	23658	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	returned to normal capacity	Yes	No
W	CSS	3/29/2018 1:20 PM	3/29/2018 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	0.17	1,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/24/2018 5:00 PM	2/25/2018 3:00 PM	900 S Tekoppel Avenue	11298	8420	23658	22	132,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	7/23/2017 6:45 AM	7/23/2017 7:30 AM	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	4/29/2017 12:45 AM	4/29/2017 9:30 AM	900 S Tekoppel Avenue	11298	8420	23658	8.75	57,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	5/12/2016 1:30 AM	5/12/2016 2:50 AM	900 S Tekoppel Avenue	11298	8420	23658	1.33	32,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/2/2016 6:45 PM	2/2/2016 8:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	36,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	3/27/2015 5:40 PM	3/27/2015 6:00 PM	2418 Joan Place	12417	12405	14592	0.33	100	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	CSS	2/10/2015 1:20 PM	2/10/2015 2:15 PM	2418 Joan Place	12417	12405	14592	0.92	75	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1019 Saint George Road	9786	9785	13111	5.5	16,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/22/2015 9:00 AM	6/22/2015 10:30 AM	1019 Saint George Road	9786	9785	13111	1.5	100	Ground	Hydraulically Maximized	Manhole had evidence of release from rain event	Precipitation event ended and collection system returned to normal capacity	Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2019 through December 31, 2019 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volum Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	EWSU System	Private Property
E	CSS	11/30/2019 12:45 PM	11/30/2019 4:45 PM	1475 E Diamond Avenue	12210	12209	14882	4	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	11/30/2019 10:30 AM	11/30/2019 2:00 PM	4320 N First Avenue	283044	121061	15426	3.5	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	11/30/2019 9:15 AM	12/1/2019 4:00 AM	6601 E Oak Street	5840	5841	22948	18.75	28,125	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	11/30/2019 9:00 AM	11/30/2019 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	4.5	27,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	11/30/2019 8:30 AM	11/30/2019 5:00 PM	711 W Mill Road	280751	3786	27329	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	11/30/2019 8:30 AM	11/30/2019 5:00 PM	1187 Burch Drive	10918	10923	24226	8.5	12,750	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	11/7/2019 9:45 AM	11/7/2019 8:00 AM	717 S Barker Avenue	283553	8369	30079	10.25	3,075	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	10/21/2019 9:30 AM	10/21/2019 10:30 AM	1830 Ohio Street	NA	NA	NA	1	3,000	Pigeon Creek	Equipment Failure	Air relief valve failed	Replaced valve	Yes	No	
E	SSS	9/3/2019 12:00 PM	9/3/2019 2:15 PM	3305 Pollack Avenue	3587	3588	7103	2.25	2,025	Ground/Raccoon Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	
E	SSS	6/22/2019 8:00 AM	6/22/2019 7:45 PM	6601 E Oak Street	5840	5841	22948	11.75	9,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	6/22/2019 7:15 AM	6/22/2019 8:00 AM	711 W Mill Road	280751	3786	27329	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	6/22/2019 6:45 AM	6/22/2019 8:00 AM	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	
W	SSS	6/16/2019 9:45 PM	6/17/2019 12:30 AM	1187 Burch Drive	10918	10923	24226	2.75	8,250	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	6/16/2019 9:30 PM	6/17/2019 1:00 AM	711 W Mill Road	280751	3786	27329	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	
W	SSS	6/11/2019 3:00 PM	6/12/2019 2:30 PM	4841 Millersburg Road	6073	NA	26847	23.5	1,440	Tributary	Equipment Failure	Air relief valve failed	Replaced valve	Yes	No	
E	SSS	5/3/2019 7:30 AM	5/3/2019 10:45 PM	6601 E Oak Street	5840	5841	22948	15.25	29,625	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	4/20/2019 12:30 AM	4/20/2019 7:00 PM	6601 E Oak Street	5840	5841	22948	14.5	27,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	4/8/2019 8:05 AM	4/8/2019 9:00 AM	123 Fernwood Place	58407	58408	22052	0.92	110	Tributary	Roots	Root infiltration	Replaced section of main sewer	Yes	No	
E	SSS	3/30/2019 3:30 PM	3/30/2019 11:00 PM	6601 E Oak Street	5840	5841	22948	7.5	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/30/2019 3:15 PM	3/30/2019 6:15 PM	711 W Mill Road	280751	3786	27329	3	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/29/2019 10:30 AM	3/29/2019 12:15 PM	700 Fairway Drive	9032	9029	22433	1.75	10,500	Dry Branch Creek	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/14/2019 1:00 PM	3/14/2019 5:00 PM	409 Strawberry Hill Road	10732	283104	15554	4	1,200	Ground / Little Pigeon Creek Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	3/14/2019 8:00 AM	3/14/2019 3:00 PM	2020 S Green River Road	10097	10103	25087	7	21,000	Ground/Eagle Creek	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	3/14/2019 7:30 AM	3/15/2019 4:30 AM	6601 E Oak Street	5840	5841	22948	21.00	63,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/14/2019 7:00 AM	3/14/2019 5:00 PM	2024 Allens Lane	4760	131690	13561	10	30,000	Locust Creek	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/14/2019 7:00 AM	3/14/2019 9:00 AM	99 W Diamond Avenue	15683	15677	22438	2	48,000	Pigeon Creek Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/14/2019 4:00 AM	3/14/2019 5:00 PM	711 W Mill Road	280751	3786	27329	13	39,000	Ground / Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	3/14/2019 3:15 AM	3/14/2019 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	12.25	24,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/20/2019 6:15 PM	2/21/2019 3:15 PM	6007 Locust Drive	NA	NA	NA	21	12,600	Ground/Locust Creek	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes	
W	SSS	2/20/2019 4:45 AM	2/20/2019 6:00 AM	4320 N First Avenue	283044	121061	15426	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	2/20/2019 3:15 AM	2/20/2019 6:45 AM	1187 Burch Drive	10918	10923	24226	3.5	39,000	Creek Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/20/2019 2:15 AM	2/20/2019 1:00 PM	6601 E Oak Street	5840	5841	22948	10.75	64,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	CSS	2/20/2019 12:30 AM	2/20/2019 6:45 AM	1475 E Diamond Avenue	12210	12209	14882	6.25	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/20/2019 12:15 AM	2/20/2019 9:45 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/11/2019 9:00 AM	2/12/2019 7:30 AM	6601 E Oak Street	5840	5841	22948	22.5	67,500	Ground / Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/11/2019 8:30 AM	2/12/2019 9:30 AM	1906 Oak Hill Road	5125	5124	22003	25	132,000	Pigeon Creek	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/11/2019 8:30 AM	2/11/2019 5:00 PM	711 W Mill Road	280751	3786	27329	8.5	1,530	Ground / Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/7/2019 1:30 PM	2/7/2018 7:00 PM	600 Drexel Drive	126200	280660	12994	5.5	16,500	Ground/Wolf Creek Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/7/2019 12:45 PM	2/7/2018 6:45 PM	6601 E Oak Street	5840	5841	22948	6	108,000	Ground / Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	CSS	2/7/2019 12:30 PM	2/7/2018 1:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	3,000	Ground/Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/7/2019 12:30 PM	2/7/2018 4:00 PM	4320 N First Avenue	283044	121061	15426	3.5	21,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/7/2019 12:30 PM	2/7/2018 6:00 PM	711 W Mill Road	280751	3786	27329	5.5	33,000	Ground / Storm Sewer	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/7/2019 12:10 PM	2/7/2018 4:45 PM	2701 Saint George Road	7451	7450	8659	5	27,500	Creek Tributary	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	2/7/2019 11:45 AM	2/7/2018 4:00 PM	900 S Tekoppel Avenue	11298	8420	23658	4.25	26,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/6/2019 10:30 AM	2/6/2019 11:15 AM	3315 Margybeth Avenue	10197	10198	23932	0.75	675	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	

TABLE 3-3

SSO and CSS Releases to Water Bodies

July 1, 2019 through December 31, 2019 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	EWSU System	Private Property	Source of Issue
W	SSS	1/23/2019 8:45 AM	1/23/2019 1:30 PM	600 Drexel Drive	126200	280660	12994	4.75	14,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	1/4/2019 1:10 PM	1/4/2019 2:00 PM	600 Drexel Drive	126200	280660	12994	0.83	2,500	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/31/2018 1:15 PM	12/31/2018 1:45 PM	99 W Diamond Avenue	15683	15677	22438	0.5	24,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/27/2018 3:30 PM	12/27/2018 4:30 PM	600 Drexel Drive	126200	280660	12994	1	3,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	12/19/2018 7:30 PM	12/19/2018 11:30 PM	7100 E Virginia Street	279510	279504	24724	4	25	Ground / Storm Sewer	Equipment Failure	Utility crossbore in sewer	Repaired section of damaged sewer	Yes	No	
E	SSS	12/15/2018 9:00 AM	12/15/2018 11:30 PM	6601 E Oak Street	5840	5841	22948	15	87,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/15/2018 7:45 AM	12/15/2018 12:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/15/2018 3:05 AM	12/15/2018 6:55 AM	1187 Burch Drive	10918	10923	24226	3.83	46,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	12/15/2018 2:30 AM	12/15/2018 6:30 AM	711 W Mill Road	280751	3786	27329	6	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	12/15/2018 1:00 AM	12/15/2018 2:00 AM	900 S Tekoppel Avenue	11298	8420	23658	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	6601 E Oak Street	5840	5841	22948	2	2,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	711 W Mill Road	280751	3786	27329	2.25	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	11/1/2018 7:45 AM	11/1/2018 8:30 AM	99 W Diamond Avenue	15683	15677	22438	0.75	36,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	1187 Burch Drive	10918	10923	24226	2	24,000	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/25/2018 1:30 PM	9/25/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	CSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	1475 E Diamond Avenue	12210	12209	14882	1	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	1	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/25/2018 12:15 PM	9/25/2018 2:15 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	CSS	9/8/2018 12:30 PM	9/8/2018 1:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/8/2018 12:00 PM	9/8/2018 2:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	9/8/2018 11:45 AM	9/8/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	2.25	108,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	8/21/2018 5:25 PM	8/21/2018 6:05 PM	3315 Margybeth Avenue	10197	10198	23932	0.67	800	Ground/Raccoon Ditch Creek Tributary	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	
W	SSS	7/9/2018 8:15 AM	7/9/2018 1:45 PM	3800 Western Hills Avenue	11412	283991	27227	5.5	3,300	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	
E	SSS	6/25/2018 10:30 AM	6/25/2018 8:30 PM	6601 E Oak Street	5840	5841	22948	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	6/24/2018 9:45 PM	6/24/2018 10:15 PM	900 S Tekoppel Avenue	11298	8420	23658	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	6/12/2018 2:15 AM	6/12/2018 4:15 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	5/9/2018 4:00 PM	5/10/2018 9:00 AM	1407 Sandalwood Court	11362	11356	13791	17	500	Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	
W	CSS	4/3/2018 1:15 PM	4/7/2018 10:00 AM	717 S Barker Avenue	283553	8369	30079	44.75	2,800	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	4/2/2018 12:30 AM	4/2/2018 5:00 AM	6601 E Oak Street	5840	5841	22948	5	5,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	3/29/2018 4:00 PM	3/30/2018 1:00 PM	6601 E Oak Street	5840	5841	22948	21	25,200	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	3/29/2018 1:20 PM	3/29/2018 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	0.17	1,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/28/2018 8:45 AM	3/29/2018 2:00 PM	2550 N Baker Avenue	15680	15679	22437	29.25	93,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/12/2018 9:00 AM	3/12/2018 2:30 PM	8600 University Boulevard	282153	WW	28722	5.5	6,600	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes	
W	SSS	3/11/2018 4:15 PM	3/11/2018 5:30 PM	7601 Clarke Lane	11303	126074	15557	1.25	750	Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	
E	SSS	2/26/2018 9:50 AM	2/26/2018 11:30 AM	1401 Southfield Road	10461	10463	7026	1.67	500	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	
E	CSS	2/24/2018 8:45 PM	2/24/2018 10:00 PM	1500 E Walnut Street	11927	11915	20332	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/24/2018 8:45 PM	2/24/2018 10:15 PM	1757 Jeanette Avenue	69704	10032	23290	1.5	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	CSS	2/24/2018 8:40 PM	2/24/2018 10:00 PM	1150 S Villa Drive	3689	282688	20021	1.33	16,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	2001 N Weinbach Avenue	5296	5302	22930	2	24,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	4108 Western Avenue	11445	11571	15704	2	14,400	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
E	SSS	2/24/2018 8:30 PM	2/25/2018 2:00 AM	2020 S Green River Road	10097	10103	25087	5.5	13,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	

TABLE 3-3

TABLE 3-3

SSO and CSS Releases to Water Bodies

July 1, 2019 through December 31, 2019 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volum Gallons	Affected Area	Cause	Cause Description	Action	EWSU System	Private Property	Source of Issue	
W	CSS	2/24/2018 8:00 PM	2/25/2018 2:00 AM	802 S Barker Avenue	8368	8369	20640	6	72,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	2/24/2018 7:15 PM	2/24/2018 11:00 PM	2401 Cass Avenue	282990	282989	29577	4	11,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1713 Richard Avenue	280925	5287	19894	5	15,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1475 E Diamond Avenue	12210	12209	14882	5	22,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	CSS	2/24/2018 5:00 PM	2/25/2018 3:00 PM	900 S Tekoppel Avenue	11298	8420	23658	22	132,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	2/24/2018 5:00 PM	2/25/2018 2:30 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	2/24/2018 9:00 AM	2/24/2018 11:00 AM	11802 N Green River Road	15232	15233	9448	2	12,000	Ground/Schlensker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6617 E Oak Street	7253	5839	14394	102	70,875	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	2/22/2018 8:00 AM	2/26/2018 10:00 PM	6601 E Oak Street	5840	5841	22948	102	141,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	1/22/2018 1:20 PM	1/22/2018 2:00 PM	726 Hanover Road	9253	9229	15455	0.67	200	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No		
W	SSS	1/22/2018 10:00 AM	1/22/2018 11:30 AM	612 Drexel Drive	126178	126177	12989	1.5	2,325	Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No		
W	SSS	1/21/2018 11:30 AM	1/21/2018 1:30 AM	5725 N First Avenue	9268	9379	11985	2	2,400	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No		
W	SSS	12/23/2017 1:30 AM	12/23/2017 6:00 AM	600 Drexel Drive	126200	280660	12994	4.5	13,500	Tributary	Ground/Wolf Creek	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	Tributary	Ground/Dry Branch	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	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	Creek Tributary	Ground/Little Pigeon Creek	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	CSS	7/23/2017 6:45 AM	7/23/2017 7:30 AM	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	6/23/2017 11:00 AM	6/23/2017 2:00 PM	7107 Locust Tree Lane	126053	LS	12250	3	360	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	5/5/2017 10:00 AM	5/5/2017 11:30 AM	2020 S Green River Road	10097	10103	25087	1.5	2,250	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	5/5/2017 10:00 AM	5/5/2017 2:00 PM	2401 Cass Avenue	282990	282989	29577	4	12,000	Ground / Storm Sewer	Ground/Little Pigeon Creek	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	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	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	5/5/2017 7:30 AM	5/6/2017 12:30 AM	6601 E Oak Street	5840	5841	22948	17	51,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	CSS	5/5/2017 7:00 AM	5/5/2017 10:30 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	15,750	Ground/Storm Sewer	Ground/Little Pigeon Creek	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	Creek Tributary	Ground/Little Pigeon Creek	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	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	4/29/2017 9:00 AM	4/30/2017 10:00 PM	6601 E Oak Street	5840	5841	22948	37	54,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	4/29/2017 2:00 AM	4/29/2017 6:00 PM	1187 Burch Drive	10918	10923	24226	16	96,000	Creek Tributary	Ground/Wolf Creek	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	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	4/29/2017 1:30 AM	4/29/2017 1:00 PM	600 Drexel Drive	126200	280660	12994	11.5	51,750	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	Creek Tributary	Ground/Carpenter	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	CSS	4/29/2017 12:45 AM	4/29/2017 9:30 AM	900 S Tekoppel Avenue	11298	8420	23658	8.75	57,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	4/29/2017 12:30 AM	4/29/2017 1:30 PM	711 W Mill Road	280751	3786	27329	13	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	CSS	4/29/2017 12:30 AM	4/29/2017 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	11.5	21,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	4/16/2017 6:45 PM	4/16/2017 8:45 PM	1641 S Taft Avenue	283021	3364	29606	2	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	4/16/2017 5:00 PM	4/16/2017 9:00 PM	2401 Cass Avenue	282990	282989	29577	4	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	4/16/2017 4:45 PM	4/16/2017 7:45 PM	2020 S Green River Road	10097	10103	25087	3	9,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	CSS	4/16/2017 4:15 PM	4/16/2017 5:15 PM	600 S Barker Avenue	8406	283165	23743	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	3/27/2017 9:15 AM	3/27/2017 10:15 AM	1111 Schutte Road	15029	129929	15569	1	200	Creek Tributary	Ground/Pigeon Creek	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	
W	SSS	3/21/2017 8:30 AM	3/21/2017 11:30 AM	1120 N Barker Avenue	283468	8226	6493	3	3,600	Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No		
E	SSS	3/7/2017 2:00 PM	3/7/2017 9:00 PM	2755 Wayside Drive	7291	7290	22745	7	21,000	Tributary	Ground/Carpenter	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/7/2017 9:00 AM	3/7/2017 1:00 PM	4108 Western Avenue	11445	11571	15704	4	12,000	Creek Tributary	Ground/Carpenter	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	2/22/2017 9:45 AM	2/22/2017 12:00 PM	3919 W Maryland Street	128006	128007	23787	2.25	200	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	Contactor 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	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		

TABLE 3-3

TABLE 3-3

SSO and CSS Releases to Water Bodies

July 1, 2019 through December 31, 2019 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volum Gallons	Affected Area	Cause	Cause Description	Action	EWSU System	Private Property	Source of Issue
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	Collection System 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	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	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	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	
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	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	
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	
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	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	
W	SSS	7/3/2016 7:30 PM	7/4/2016 11:00 AM	4108 Western Avenue	11445	11571	15704	15.5	27,000	Creek Tributary	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		23743	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	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	
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	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/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	
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	
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	
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	
E	SSS	5/9/2016 6:10 PM	5/9/2016 7:55 PM	1251 Pollack Avenue	50147	50148	12611	1.75	210	Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	
W	SSS	5/8/2016 1:35 PM	5/8/2016 3:00 PM	6412 N First Avenue	10234	10705	10758	1.42	225	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	
W	SSS	4/27/2016 8:45 PM	4/27/2016 10:30 PM	4211 Western Avenue	11572	11576	15638	1.75	2,100	Creek Tributary	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	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	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	
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	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 Bellmeade 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	
E	SSS	3/10/2016 4:30 PM	3/11/2016 7:00 PM	2808 Longacre Drive	7331	281808	28347	27	31,800	Creek Tributary	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	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	
W	SSS	3/10/2016 1:00 PM	3/10/2016 7:00 PM	4211 Western Avenue	11572	11576	15638	6	7,200	Creek Tributary	Hydraulically Maximized	Collection System 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	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	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	2/2/2016 7:30 PM	2/2/2016 11:00 PM	2333 Bergdoh 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	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	
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	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	
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	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	

TABLE 3-3

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2019 through December 31, 2019 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	EWSU System	Private Property	Source of Issue	
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		
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		
E	CSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.5	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	3,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6617 E Oak Street	7253	5839	14394	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	12/27/2015 9:00 AM	12/27/2015 12:00 PM	4211 Western Avenue	11572	11576	15638	3	3,600	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
E	SSS	12/26/2015 7:45 AM	12/26/2015 9:00 AM	300 S Royal Avenue	6013	6016	23532	1.25	150	Ground / Storm Sewer	Roots	Root infiltration	Replaced section of main sewer	Yes	No		
W	SSS	12/23/2015 4:45 PM	12/23/2015 6:00 PM	711 W Mill Road	280751	3786	27329	2	3,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No		
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4108 Western Avenue	11445	11571	15704	3.92	7,050	Creek Tributary	Ground/Carpenter	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	Creek Tributary	Ground/Carpenter	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	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	Ground/Carpenter	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	Creek Tributary	Ground/Carpenter	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	Creek Tributary	Ground/Carpenter	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	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	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	Ground/Wolf Creek	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	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	Creek Tributary	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 4:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	3,000	Ground/Storm Sewer	Ground/Carpenter	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	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	Ditch	Ground/Schlensker	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 Birch Drive	10918	10923	24226	7.5	45,000	Ground/Little Pigeon Creek Tributary	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 Tributary	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	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	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 Richard Avenue	280925	5287	19894	6	3,600	Ground	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	Creek Tributary	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	Ground/Bayou Creek	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	Tributary	Garage Floor Drain / 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	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 / Firthick Creek Tributary	Construction Related	Road Paving contractor damaged main sewer	Private contractor replaced section of damaged main sewer	Yes	No		

TABLE 3-3

SSO and CSS Releases to Water Bodies

July 1, 2019 through December 31, 2019 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volum Gallons	Affected Area	Cause	Cause Description	Action	EWSU System	Private Property	Source of Issue
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	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 pump speed increased	Yes	No	
E	SSS	4/3/2015 2:00 PM	4/3/2015 3:15 PM	6223 Twickenham Drive	11087	NA	8104	1.25	150	Ground/Little Pigeon Creek Tributary	Equipment Failure	Tangled pump float cords at Twickenham 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	Maximized	Collection System hydraulically Maximized	To normal capacity	Yes	No	
W	SSS	4/1/2015 3:10 AM	4/1/2015 3:50 PM	829 Harmon Court	9823	9658	21671	0.67	60	Ground/Private Lake	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	
W	SSS	3/26/2015 7:00 AM	3/26/2015 8:45 AM	4900 Stratford Road	9203	9200	11724	1.75	1,050	Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	
E	SSS	3/14/2015 4:15 AM	3/14/2015 9:30 AM	7301 Lincoln Avenue	7209	7210	15116	5.25	15,750	Storm Sewer	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	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	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	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	Maximized	Collection System hydraulically Maximized	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	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	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	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	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	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	Creek Tributary	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	Maximized	Collection System hydraulically Maximized	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	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	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	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	Creek Tributary	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	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	
W	SSS	3/3/2015 10:40 PM	3/4/2015 12:25 AM	600 Drexel Drive	126200	280660	12994	1.75	5,250	Tributary	Maximized	Collection System hydraulically Maximized	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 12:25 PM	2/1/2015 12:25 PM	3240 Mount Vernon Avenue	8909	8908	21615	1.5	3,600	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	
W	SSS	1/31/2015 11:30 AM	1/3/2015 1:15 PM	3204 Marin Avenue	8921	8900	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/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	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	Creek Tributary	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	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	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	Creek Tributary	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	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	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	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 Margibeth Avenue	10197	10198	23932	1.25	1,500	Ground/Raccoon Ditch	Grease Construction Related	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	Hydraulically Related	Contractor damaged 8" water main that inundated the CSS	Contractor shut down and repaired broken water main	Yes	No	
W	SSS	10/13/2014 6:15 PM	10/13/2014 7:15 PM	4211 Western Avenue	11572	11576	15638	1	1,500	Creek Tributary	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	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	Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	

TABLE 3-3

TABLE 3-3

SSO and CSS Releases to Water Bodies

July 1, 2019 through December 31, 2019 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	Source of Issue		
													EWSU System	Private Property	
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	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	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	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No

TABLE 3-4
CCTV Inspections at SSO or CSS Release Locations
July 1, 2019 through December 31, 2019 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	10/21/2019 8:00 AM	10/21/2019 10:00 AM	854 Covert Avenue	2527	2528	18406	2	100	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No

TABLE 7-1

Updated Food Establishment Listing

July 1, 2019 through December 31, 2019 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
Amy's Place	1418 W Franklin Ave	47710
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 Road	47715
Azteca LLC	1212 Washington Sq	47715
Azzip Pizza	5225 Pearl Dr Suite E	47712
Azzip Pizza	4660 N First Ave	47710
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2019 through December 31, 2019 Reporting Period

Establishment	Address	Zip Code
Big Top	1213 W Maryland St	47710
Bits & Bytes	216 NW Fourth St	47708
BJ's Brewhouse	1000 N Green River RD	47715
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 Gym East	345 Bentee Wes Ct	47715
Bob's Gym- Perfectly Fresh Foods	120 N Rosenberger Ave	47712
Bob's Lounge	907 N Fares Ave	47711
Bokeh Lounge	1007 Parrett St	47713
Bombay Spice Bar and Grill	1003 E Diamond Ave	47711
Bonkers	11901 Petersburg Rd	47725
Boss Hawgs Old Fashion Smoke House	2020 Stringtown Rd	47711
Bosse Field/ Evansville Otters	1701 N Main St	47711
Bosse High School	1300 Washington Ave	47714
Bourbon Street Grill	800 N Green River Rd	47715
Braun's Nursing Home	909 First Ave	47710
Break Time Bar & Grill	1323 S Barker Ave	47712
Brookdale Senior Living Center	6521 Greendale Dr	47711
Bru Burger Bar	222 Sycamore St	47708
Bucks Tavern of Evansville LLC	1015 N Fulton Ave	47710
Bud's Rockin' Country Bar & Grill	2116 W Franklin St	47712
Buehlers Buy Low #452	2220 E Morgan Ave	47711
Buehlers IGA #453	4635 First Ave	47710
Buehlers Buy Low #456	12500 N Highway 41	47725
Buehlers Buy Low #466	200 N Main St	47714
Buffalo Wild Wings #45	715 N Green River Rd	47715
Buffalo Wild Wings #50	5405 Pearl Dr	47712
Burdette Pool	5301 Nurrenbern Rd	47712
Burger Bank	1617 S Weinbach Ave	47714
Burger King	1100 Hirschland Rd	47715
Burger King	2501 Menards Dr	47715
Burger King #1264	4400 First Ave	47710
Burger King #2243	1301 Covert Ave	47714
Burger King #7136	4400 W Lloyd Expressway	47712
By the Slice	2011 Lincoln Ave	47714
Cafe Arazu	415 Main St	47708
Cambridge Golf Course	1034 Beacon Hill Dr	47725
Canton Inn	947 North Park Dr	47710
Captain D's #3731	1200 Covert Ave	47714
Carne Asada LLC	1354 E Division St	47711

TABLE 7-1

Updated Food Establishment Listing

July 1, 2019 through December 31, 2019 Reporting Period

Establishment	Address	Zip Code
Carousel	5115 Monroe Ave	47715
Carver Community Center	400 SE Eighth St	47713
Casey's General Store	2031 Cross Pointe Blvd	47715
Casey's General Store #2228	1900 Oak Hill Rd	47711
Casey's General Store #2296	3100 N St.Joseph Ave	47720
Casey's General Store #3073	2020 S Green River Rd	47715
Catfish Willy's: Seafood & Crab Shack	5720 E Virginia St	47715
Caze School	2013 S Green River Rd	47715
Cedar Hall Community School	2100 N Fulton Ave	47710
Center For Hope Church	808 SE 3rd St	47713
Central High School	5400 First Ave	47710
Central United Methodist	300 Mary St	47710
Charles Denby Post #2953	1800 Pollack Ave	47714
Chava's Mexican Grill	4202A First Ave	47710
Cheddar's	2100 N Green River Rd	47715
Chicken N' Salsa	122 N Weinbach Ave	47711
Chick-fil-A	7101 E Indiana St	47715
Chick-fil-A	800 N Green River Rd	47715
Chili's Grill & Bar #900	600 N Green River Rd	47715
China Experience & Yih 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	4101 N Highway 41	47711
Circle K	300 S Green River Rd	47715
Circle K #104/ Windmill Bakery	6801 N Highway 41	47711
Circle K Convenient Store	7 N Fulton Ave	47710
Circle S Mart # 41	11001 Highway 41	47725
Cisse's Bread Bakery	4711 Bayard Park Dr	47715
City View at Sterling Square	210 N Fulton	47710
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2019 through December 31, 2019 Reporting Period

Establishment	Address	Zip Code
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	1921 E Franklin St	47711
Conoco	1641 S Kentucky Ave	47714
Cookies by Design	419 Metro Ave	47715
Cork 'N Cleaver	650 S Hebron Ave	47714
Corner Bar & Grill	2668 Mt Vernon Ave	47712
Corner Pocket	1819 N Fulton Ave	47710
Corpus Christi School	5528 Hogue Rd	47712
Costco	1201 Cross Pointe Blvd	47715
Country Inn and Suites	301 Circle Front Dr	47715
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
Creative Confections	820 N First Ave	47710
Cross-Eyed Cricket	2101 W Pennsylvania St	47712
Crossroads IGA	6401 N Green River Rd	47725
Crossroads IGA/ Which Wich	5401 E Lloyd Expressway	47715
Culver Family Learning Center	1301 Judson St	47713
Culver's	1734 Hirschland Rd	47715
Culver's	4850 W Lloyd Expressway	47712
Daily's Cakes	701 N Main St	47711
Dairy Mart	2345 Covert Ave	47714
Dairy Queen	2720 N Green River Rd	47715
Dairy Queen	5200 Division St	47715
Dairy Queen	1159 E Virginia St	47711
Dairy Queen	901 W Franklin St	47710
Dairy Queen	4140 First Ave	47710
Dairy Queen	4830 University Dr	47712
Daniel Wertz School	1701 S Redbank Rd	47712
Darmstadt Inn	13130 Darmstadt Rd	47725
Daves Sportsden	701 N Weinbach Ave #110	47711
Deaconess Child Care Center	235 W Iowa St	47710
Deaconess Cross Pointe	7200 E Indiana St	47715
Deaconess Health System	600 Mary St	47710
DeerHead Sidewalk Cafe	222 E Columbia St	47711
Delaware School	700 N Garvin St	47711

TABLE 7-1

Updated Food Establishment Listing

July 1, 2019 through December 31, 2019 Reporting Period

Establishment	Address	Zip Code
Denny's #397	3901 N Highway 41	47711
Denny's #244	351 N Green River Rd	47715
Denny's #290	5212 Weston Rd	47712
Denny's #316	19501 Elpers Rd	47725
Dexter School	951 Dexter Ave	47714
Diamond Lanes	2400 N Highway 41	47711
D-ICE	800 N Green River Rd	47715
Dilegge's Restaurant	607 N Main St	47711
Doc's	1305 N Stringtown Rd	47711
Domino's	1940 N Green River Rd	47715
Domino's Pizza #2570	600 N Weinbach Ave	47711
Domino's Pizza #2571	1304 S Green River Rd	47715
Domino's Pizza #2574	5714 First Ave	47710
Domino's Pizza #2577	421 N St Joseph Ave	47712
Domino's Pizza #2578	2101 S Weinbach Ave	47714
Donut Bank	210 N St Joseph Ave	47712
Donut Bank	1031 E Diamond Ave	47711
Donut Bank	5 N Green River Rd	47715
Donut Bank	2128 First Ave	47710
Donut Bank	1200 Lincoln Ave	47714
Donut Bank	1950 Washington Ave	47714
Double Tree by Hilton	601 Walnut St	47708
Downtown Grocery Outlet	535 Lincoln Ave	47713
Dream Center	16 W Morgan Ave	47710
Drury Inn & Suites - Evansville East	100 Cross Point Blvd	47715
Dunkin Donuts	3960 N First Ave	47710
Dunkin Donuts	750 N Green River Rd	47715
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
Entwined Vine	303 Main St	47708
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

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Establishment	Address	Zip Code
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
Express Pantry	1401 Delmar	47712
F O P #73	801 Court St	47708
Fairfield Inn Evansville East	7879 Eagle Crest Blvd	47715
Fairfield Inn Evansville West	5400 Weston Rd	47712
Fairlawn School	2021 S Alvord Blvd	47714
Farm 57	3443 Kansas Rd	47725
Fastbreak #5	2119 E Morgan Ave	47711
Fazoli's #1632	899 N Green River Rd	47715
Fazoli's #1756	5232 Weston Rd	47712
Fifth Third Café	20 NW Third St	47708
Firehouse Subs	1031 N Green River Rd #102	47712
Five Guys Burgers and Fries	5402 E Indiana St	47715
Flourish Plant Based Eatery	222 S Red Bank RD Suite L	47712
Fool Moon Grill & Bar	5625 Pearl Dr	47712
Franco's Tavola Calda	270 N Green River Rd	47715
Frank Jr BBQ	3012 Covert Ave	47714
Franklin Street Pizza Factory	2033 W Franklin St	47712
Franklin Street Tavern	2126 W Franklin St	47712
Freddy's Frozen Custard	2848 N Green River Rd	47715
Freddy's/Moes	5501 Pearl Dr	47712
Fresh Thyme Market	1121 Hirschland Rd	47715
Fujiyama	915 North Park Dr	47710
G.D. Ritzys	4810 University Dr	47712
G.D. Ritzys	4320 First Ave	47710
G.D. Ritzys	601 N Green River Rd	47715
Gangnam Korean Cuisine	518 Main St	47708
Gardo's Italian Oven	13220 Darmstadt Rd	47725
Gary's Parkway Pizza	3911 Broadway Ave	47712
Gasoline Alley	3526 Interstate Dr	47715
Gatrick's	750 S Kentucky Ave	47714
Gattitown	316 N Green River Rd	47715
GaylaCake LLC	320 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

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Establishment	Address	Zip Code
Glenwood Leadership Academy	901 Sweetser Ave	47713
Golden Buddha	3221 Taylor Ave	47714
Golden Corral #683	130 Cross Point Blvd	47715
Golden Living Center- Brentwood	30 E Chandler Ave	47713
Golden Living Center- Woodbridge	816 N 1st Ave	47710
Good Samaritan Home Inc	601 N Boeke Rd	47711
Good Shepherd School	2301 N Stockwell Rd	47715
Goodwill Family Center	1351 W Buena Vista	47710
Gracies Chinese Cuisine	12500 N Highway 41	47725
Grand Buffet	1356 N Green River Rd	47715
Grandy's #188	722 Landbridge Ave	47710
Grannie's Secret Homemade Desserts	1701 Oak Hill Rd	47711
Great American Cookie Co	800 N Green River Rd	47715
Great Harvest Bread	423 Metro Ave	47715
Great Steak & Potato	800 N Green River Rd	47715
Grocery Outlet	1200 N Fulton Ave	47710
Hacienda - Darmstadt	600 E Boonville New Harmony Rd	47725
Hacienda #16	5440 Pearl Dr	47712
Hacienda #4	711 First Ave	47710
Hacienda #8	990 S Green River Rd	47715
Hadi Shrine Temple	6 Walnut St	47708
Hagedorn's	2037 W Franklin St	47712
Hampton Inn	8000 Eagle Crest Blvd	47715
Hampton Inn Airport Evansville	5701 N Highway 41	47711
Happy Garden	1927 Pollack Ave	47714
Happy Go Asian Maket	4035 E Morgan Ave	47715
Hardees	4400 Covert 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
Harmes Una Pizza	967 S Kentucky Ave	47714
Harper Elementary School	21 S Alvord Blvd	47714
Harrison High School	211 Fielding Rd	47715
Hartke Pool	201 N Boeke Rd	47711
Harvest Time	518 Linwood Ave	47714
Haynies Corner Market	37 Adams Ave	47713
Heady's Pizza	4120 B N First Ave	47710
Healthsouth Deaconess	4100 Covert Ave	47714
Hebron Elementary School	4400 Bellemeade Ave	47714
Helfrich Park STEM Academy	2603 W Maryland St	47712
Heritage Center	1201 W Buena Vista Rd	47710

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Establishment	Address	Zip Code
Herradura	4610 Bellemeade Ave	47714
Hickory Pit Stop	1521 N Main St	47711
High Score Saloon	323 Main Street	47708
Highland Elementary School	6701 Darmstadt Rd	47725
Highland Inn Inc	6620 N First Ave	47710
Highland Pizza Shop	6669 Kratzville Rd	47710
Hill Top Inn	1100 Harmony Way	47720
Hillcrest Home	2700 W Indiana St	47712
Hilton Garden Inn	220 Eagle Crest Dr	47715
Himalaya Food Mart	6720 Washington Ave	47715
Holiday Inn Evansville Airport	7101 Highway 41 North	47725
Holiday Inn Express	5737 Pearl Dr	47712
Holiday Inn Express	324 Rusher Creek Rd	47725
Holiday Inn Express	220 Kirkwood Dr	47715
Holiday Retirement Village	1200 W Buena Vista	47710
Holy Redeemer	918 W Mill Rd	47710
Holy Rosary School	1301 S Green River Rd	47715
Holy Spirit School	1750 Lodge Ave	47714
Home 2 Suites	7901 E Walnut St	47715
Honey Baked Ham Co	1446 N Green River Rd	47715
Honey Baked Ham Co	318 Main St Ste 100	47708
Honey Dew	612 S Weinbach Ave	47714
Honeymoon Coffee	1211 Tutor Lane	47715
Hoosier Burgers	325 S Green River Rd	47715
Hooters	4620 Lincoln Ave	47715
Hornets Nest	11845 Petersburg Rd	47725
Hot Head Burrito	5625 Pearl Dr Ste A	47712
House of Como	2700 S Kentucky Ave	47714
Howard Johnson	1101 N Green River Rd	47715
Huck's	2225 N Fares Ave	47711
Hucks # 337	3951 N Green River Rd	47715
Huck's #383	3131 Kansas Rd	47725
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	330 Main St	47708
Jimmy Johns	130 N St Joseph Ave	47712

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Establishment	Address	Zip Code
Jimmy Johns	2320 N Green River Rd	47715
Jimmy's Una Pizza	4711 Pollack Ave	47714
Joshua Academy	1230 E Illinois St	47711
Journey Fish, Chicken & Gyro	825 S Green River Rd	47715
JPM Convenient Store	1601 N 1st Ave	47710
J's Sportsbar & Grill	1602 S Vann Ave	47714
Just Cookies Inc	1120 Washington Square Mall	47715
Just Rennie's	100 SE Fourth St	47708
Just Rennie's Bistro	102 SE 4th St	47708
Just Rennie's Catering at the Old Post Office	100 NW Second St	47708
K.C.'s Time Out Lounge & Grill	1121 Washington Square Mall	47715
Kabob Express	3305 N Green River Rd	47715
Kanpai	4593 Washington Ave	47714
Kennel Club of Evansville	5201 Kratzville Rd	47710
Keylee's Pizza & Creamery	10 NW Sixth St	47708
KFC #C119004	900 S Green River Rd	47715
KFC #C119002	1201 Covert Ave	47714
KFC/Taco Bell #C119005	4422 W Lloyd Expressway	47712
Kipplees Stadium Inn	2350 Division St	47711
Kite & Key Cafe	2301 W Franklin St	47712
Krispy Kreme	727 N Burkhardt Rd	47715
La Campriana	724 N Burkhardt Rd	47715
La Preferida	819 S Green River Rd	47715
Lamasco Bar & Grill	1331 W Franklin St	47710
LaQuinta Inn & Suites	8015 Division St	47715
Las Americas Tiendas Restaurant	1016-A S Weinbach Ave	47714
Lee's Famous Recipe	411 N St Joseph Ave	47712
Legends	1050 S Weinbach Ave	47714
Leroy's Tavern	2659 Mt Vernon Ave	47712
Libby & Mom's Cafe	2 N Richardt Ave	47711
Lic's Ice Cream	11 NW Fifth St	47708
Lic's Ice Cream	2001 Washington Ave	47714
Lic's Ice Cream	2311 W Virginia St	47712
Lic's Ice Cream	4501 Lincoln Ave	47714
Lic's Ice Cream	800 E Diamond Ave	47711
Life Choice	2225 W Indiana St	47712
Lincoln Garden	2001 Lincoln Ave	47714
Lincoln Market	751 Lincoln Ave	47713
Lincoln School	635 Lincoln Ave	47713
Lin's Asian Express	520 N 1st Ave	47710
Little Caesar's Pizza	2007 Washington Ave	47714
Little Caesar's Pizza	2411 Stringtown Rd	47711

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Establishment	Address	Zip Code
Little Caesar's Pizza	130 N St Joseph Ave	47712
Little Italy	4430 First Ave	47710
Lodge Community School	1400 E Riverside Dr	47714
Logans Roadhouse	5645 Pearl Dr	47712
Logans Roadhouse	1 N Burkhardt Rd	47715
Lombardi's New York Pizza	3311 N Green River Rd	47715
Long John Silvers #04	1015 S Green River Rd	47715
Long John Silvers #14	2519 First Ave	47710
Long John Silvers #28	2350 Morgan Ave	47711
Long John Silvers #29	4625 W Pennsylvania St	47712
Longhorn Steakhouse 5221	320 N Green River Rd	47715
Los Bravos	6226 Waterford Blvd	47715
Los Bravos	3534 N First Ave	47710
Los Bravos	4630 W Lloyd Expressway	47712
Los Portales Mexican Grill	3339 N Green River Rd	47715
Los Tres Caminos	12100 N Highway 41 Suite 9	47725
Lyle & Bill's Sportszone Pizza & Pub LLC	1404 E Morgan Ave	47711
MA T 888 China Bistro	5636 Vogel Rd	47715
Mach 1	19920 Ruffian Way	47725
Madeleines	423 SE Second St	47713
Maiden's Brew Pub	209 N Wabash Ave	47712
Major Munch	101 NW First St	47708
Mama Roma's Pizza Express	3115 Covert Ave	47714
Manna Mediterranean Grill	2913 Lincoln Ave	47714
Marathon	720 SE 8th St	47713
Marathon #103	201 E Louisiana St	47711
Marco's Pizza	2000 Covert Ave	47710
Marco's Pizza	3100 N 1st Ave	47714
Marigold Bar	2112 S Weinbach Ave	47714
Market Street Living	304 Market St	47708
Marx Bar B Q	3119 W Maryland St	47720
Mary and Martha's Catering	1334 N Green River Rd	47715
Mater Dei High School	1300 Harmony Way	47720
McCutchanville Elementary School	10701 Petersburg Rd	47725
McAlister's Deli	2220 N Green River Rd	47715
McAllister's Deli	5301 Pearl Dr	47712
McDonalds	1148 Washington Ave	47714
McDonalds	2960 Covert Ave	47714
McDonalds	4701 Lincoln Ave	47715
McDonald's	3704 N 1st Ave	47710
McDonalds #10878	19700 N Highway 41	47725
McDonalds #11291	115 S Rosenberger Ave	47712

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Establishment	Address	Zip Code
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
Mele's Diner Breakfast & More	6840 Logan Drive Suite A	47715
Memorial High School	1500 Lincoln Ave	47714
Merry-Go-Round	2101 N Fares Ave	47711
Mesker Park Zoo (Rainforest Grill & Watering Hole)	1545 Mesker Park Dr	47720
Methodist Temple	2109 Lincoln Ave	47714
Metro Sports Center	5820 Metro Centre Dr	47715
Mike Libs & Choc Factory	864 S Green River Rd	47715
Milano Italian Cuisine	500 Main St	47708
Milk and Sugar Scoop Shoppe	2027 W Franklin St	47712
Mission BBQ	1530 N Green River Rd	47715
MJ's Café	801 St Mary's Dr	47714
MOD Pizza	6401 E Lloyd Expy Suite C 102	47715
Mojo's Boneyard	4920 Bellemeade Ave	47715
Montessori Academy	4661 Adams Ave	47714
Mo's House	1114 Parrett St	47713
Moto Mart	3221 Mariner Dr	47715
Moto Mart	500 N Burkhardt Rd	47715
Moto Mart	1900 N Green River Rd	47711
Moto Mart	6328 E Lloyd Expwy	47715
Mr. B's Pizza & Wings	1340 Hirschland Rd	47715
Mr. Bubble Tea	503 N Green River Road	47715
Nacho's Grill	821 S Green River Rd	47715
Nazarene MBC/ Joshua Academy	867 E Walnut St	47713
New Frontier Restaurant and Bar	12945 Highway 57	47725
Noble Romans - Wash Sq	1216 Washington Sq	47715
Noble Romans Pizza	222S Red Bank RD Suite M	47712
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'Briens Sports Bar & Grill	1801 N Green River Rd	47715
O'Charleys #237	7301 E Indiana St	47715

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Establishment	Address	Zip Code
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 National Events Plaza	715 Locust St	47708
Old Tyme Deli & Meat Shop	307 N First Ave	47710
Olive Garden #1022	1100 N Green River Rd	47715
One Main Eurest Dining Service	601 NW Second St	47708
Orange Leaf of Evansville LLC	701 Burkhardt Rd	47715
Order of Owls Nest #30	2427 N Sherman St	47711
Outback Steakhouse #1519	7201 E Indiana St	47715
Panaderia San Miguel	2004 Washington Ave	47714
Panda Express #2906	2445 Menards Dr	47715
Panera Bread	5201 Pearl Dr	47715
Panera Bread Bakery-Cafe #1020	220 N Burkhardt Rd	47715
Pangea Downtown	401 NW Second	47708
Pangea Kitchen	111 S Green River Rd	47715
PaPa Johns	4204 First Ave	47710
Papa Johns	5436 E Indiana St	47715
PaPa Johns	4814 W Lloyd Expressway	47712
Papa Johns	303 N Weinbach Ave	47711
PaPa Johns #3681	12414 Highway 41 N	47725
PaPa Murphys Take N Bake	4827 Davis Lant Dr Suite C	47715
Papa Murphys Take N Bake	779 S Green River Rd	47715
Papa Murphys Take N Bake	4202 B N First Ave	47710
Park Terrace	25 S Boehne Camp Rd	47712
Parkview Care Center	2819 N St Joseph Ave	47720
Parlor Donuts	301 N Green River Road	47715
Patchwork Central	100 Washington Ave	47713
Pattie's Sand Trap	1900 E Diamond Ave	47711
Pendley Daycare	2916 Oak Hill Rd	47711
Penn Station	137 N Burkhardt Rd	47715
Penn Station	5310 Pearl Dr	47712
Penn Station	4827 Davis Lant Dr	47715
Penny Lane Coffeehouse	600 SE Second St	47713
Perry Heights School	5800 Hogue Rd	47712
Philly Grill	600 E Boonville-New Harmony Rd	47725
Pie Pan	905 North Park Dr	47710
Piece of Cake	210 Main St	47708

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Establishment	Address	Zip Code
Pinch of Sugar	579 N Green River Rd	47715
Pine Haven	3400 Stocker Dr	47720
Piston's	2131 W Franklin St	47712
Pizza Depot	2801 E Boonville-New Harmony Rd	47725
Pizza Hut	4508 N First Ave	47710
Pizza Hut #316305	310 N St Joseph Ave	47712
Pizza Hut #316308	925 N Green River Rd	47715
Pizza Hut #316428	1357 Covert Ave	47714
Pizza Hut #316695	601 E Boonville New Harmony Rd	47725
Pizza King	220 N St Joseph Ave	47712
Pizza King	1033 S Weinbach Ave	47714
Pizza Oven	5806 Stringtown Rd	47711
Plaza Park Academy	7301 Lincoln Ave	47715
Pok'e Pirate	315 E Diamond Ave	47711
Popeye's Chicken	3300 N 1st Ave	47710
Price Less Foods	1550 Vann Ave	47714
Price Less Foods	4851 W Pennsylvania St	47712
Proper Coffee	800 N Green River Rd	47715
Qdoba	922 N Burkhardt Rd	47715
Quality Inn	5006 Morgan Ave	47715
Quality Inn Mahadev	19622 Elpers Rd	47725
R & K Food & Gas	1526 Judson St	47713
Rafferty's	1400 N Green River Rd	47715
Rally's #162	4720 E Morgan Ave	47715
Rally's #58	1201 E Virginia St	47711
Ramos Smoke Shop	2300 Riverside Dr	47714
Read Street BBQ	421 Read St	47710
Red Lobster # 0058	4605 Bellemeade Ave	47714
Red Robin Gourmet Burgers	6636 E Lloyd Expressway	47715
Reitz High School	350 Dreier Blvd	47712
Reliable Adult Care	5130 Vogel Rd #130	47715
Rescue Mission	500 E Walnut St	47708
Residence Inn	8283 E Walnut St	47715
Ricks 718 Bar and Lounge	718 N Third Ave	47710
Ricks Sport Bar & Family Room	1531 S Green River Rd	47715
River Bend Association Inc	2207 W Franklin St	47712
River City Eagles #4023	1824 W Franklin St	47712
River City Food Co-op	116 Washington Ave	47713
River City Mercantile & Coffee	223 Main St	47708
River Kitty Cat Café	226 Main St	47708
River Pointe Health Campus	3001 Galaxy Dr	47715
Riverview Adventist Christian Academy	2231 Burdette Ave	47714

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Establishment	Address	Zip Code
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	2733 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 Southern Eatery	420 S Green River Rd	47715
Sam's Food Mart	1000 Washington Ave	47714
Sam's Pizzaria	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
Scandals Nightclub	1348 Division St	47711
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
Schymick's Kitchen	1112 Parrett St	47713
Scott Elementary School	14940 Old State Rd	47725
Select Specialty Hospital	400 SE 4th St	47713
Shing-Lee	215 Main St	47708
Show Me's East	1700 Morgan Center	47715
Showplace Cinemas	950 S Hebron Ave	47715
Showplace Cinemas	1801 Morgan Center Dr	47715
Shyler's Barbecue	5428 E Indiana St	47715
Sicilano Subs	2021 W Franklin St	47712
Side Track Tavern	664 E Illinois St	47711
Signature HealthCARE	5233 Rosebud Ln	47630
Simpsons Supermarket	1365 Covert Ave	47714
Skateworld	1300 Fairfield Dr	47715
Skyzone	49 N Green River Rd	47715
Smitty's	2109 W Franklin St	47712

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Establishment	Address	Zip Code
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 Pizza	4404 W Lloyd Expressway	47712
Spicy Thai Cuisine	601 E Boonville New Harmony Rd	47725
Sportsman Billards & Pub	2315 W Franklin St	47712
Spudz-n-Stuff	601 E Boonville New Harmony Road	47725
Spudz-N-Stuff	3904 N 1st Ave	47710
Spudz-N-Stuff	2403 Washington Ave	47714
St Agnes School	1600 Glendale Ave	47712
St Anthony's Soup Kitchen	713 Second Ave	47710
St Benedict's School	530 S Harlan Ave	47714
St Boniface School	2031 W Michigan St	47712
St Johns Soup Kitchen	617 Bellemeade Ave	47713
St Mary's Medical Center	3700 Washington Ave	47714
St Pauls Episcopal	301 SE First St	47708
St. Vincent Center for Children & Families	730 W Delaware St	47710
Star Buffet	5435 Pearl Dr Ste 3D	47712
Starbucks Coffee 1892	4700 W Lloyd Expressway	47720
Starbucks Coffee Co #8693	4650 First Ave	47710
Starbucks Coffee Company #9759	504 N Green River Rd	47715
Steak 'N Shake	7929 E Division St	47715
Steakburger Company	800 N Green River Rd	47715
Stephen Libs Finer Chocolates	6225 Vogel Rd.	47715
Stepping Stone - 30022004	4001 John St	47714
Steves Una Pizza	1005 S St James Blvd	47714
Stockwell Inn	4001 E Eichel Ave	47715
Stockwell School	2501 N Stockwell Rd	47715
Stockyard Inn	1217 Baker St	47710
Stolls Country Inn South	19820 Castle Creek Dr	47725
Stop & Go - Food and Gas	520 S Barker Ave	47712
Stringtown School	4720 Stringtown Rd	47711
Subway	2744 N Green River Rd	47715
Subway	12500 N Highway 41	47725
Subway	501 N Main Suite A	47711
Subway	4750 W Lloyd Expressway	47712
Subway	4313 E Morgan Ave	47715

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Establishment	Address	Zip Code
Subway	1343 Tutor Ln	47715
Subway	1677 Lincoln Ave	47714
Subway	520 Mary St	47710
Subway	200 S Green River Rd Ste C	47715
Subway - Berry Plastic Site	101 Oakley St	47710
Subway #12340	1401 Covert Ave	47714
Subway #15691	631 Walnut St	47713
Subway #23569	1300 E Morgan Ave	47711
Subway #28905	301 Main St	47708
Subway #30714	3200 N St Joe Unit A	47720
Subway #56335	6401 Hwy 41 N	47715
Subway #870	4218 N 1st Ave	47710
Subway Sandwich Shop	611 E Diamond Ave	47711
Subway Sandwich Shop	510 N St Joseph Ave	47712
Sunshine Juice Company	6225 E Virginia St	47715
Sunshine Juice Company	2017 W Franklin St	47712
Super 8	19601 Elpers Rd	47725
Super 8 Motel	4600 E Morgan Ave	47715
Sure Stay Plus Hotel	19600 Elpers Rd	47725
Sweet Bettys Bakery	5600 E Virginia St Ste E	47715
Sweet Schmitt's	422 N Main St	47711
Sweetwater Event Center	8335 Eagle Lake Dr	47715
Swonder Ice Rink	201 N Boeke Rd	47711
Szechwan Chinese Restaurant	669 N Green River Rd	47715
T Minimart	2400 Washington Ave	47714
Taco Bell	2400 W Maryland St	47712
Taco Bell #28864	4501 First Ave	47710
Taco Bell #28898	1580 Vann Ave	47714
Taco Bell #28907	1500 N Willow Rd	47711
Taco Bell #28908	1001 N Green River Rd	47715
Taco Johns	604 N St Joseph Ave	47712
Taco Johns	2509 Washington Ave	47714
Taj Mahal	900 E Tutor Ln	47715
Target T-108	4000 First Ave	47710
Target T-1481	6625 E Lloyd Expressway	47715
Taste Of China	4579 University Dr	47712
Taste of NYC	800 N Green River Rd	47715
Tekoppel School	111 Tekoppel Ave	47712
Texas Roadhouse	7900 Eagle Crest Blvd	47715
TGI Fridays	800 N Green River Rd	47715
Thai Papaya Cuisine	1434 Tutor Ln	47715
The Academie	22 NW 6th St	47708

TABLE 7-1

Updated Food Establishment Listing

July 1, 2019 through December 31, 2019 Reporting Period

Establishment	Address	Zip Code
The Caboose	915 N Main St	47711
The Circle H	3800 E Morgan Ave	47715
The Daily Grind	1 SE Ninth St	47708
The Deli/ONB	1 Main St	47708
The Diner	333 Jefferson Ave	47713
The Ford Center	1 SE Martin Luther King Blvd	47708
The Fresh Market	6401 E Lloyd Expressway	47715
The Friendship Diner	834 Tutor Ln	47715
The Garden School	4910 E Riverside Dr	47715
The Granola Jar	1033 Mt Pleasant Rd Suite J	47725
The Granola Jar	111 S Green River Rd Suite D	47715
The Inflatable Fun Factory	6600 Frito Lay Dr	47715
The Lobo Lounge	1200 Edgar St	47710
The Pacetre	2734 Mt Vernon Ave	47712
The Peephole Bar & Grill	201 Main St	47708
The Perfect Plan To Go	3101 N Green River Rd Ste 310	47713
The Rathbone	1320 SE Second St	47713
The Rooftop	112 NW Martin Luther King Blvd	47708
The Taqueria	800 N Green River Rd	47715
The Vineyard	5721 E Virginia St	47715
The Yellow Rose Family Diner	4313 E Morgan Ave H	47715
The Za	737 North Park Dr Suite A	47710
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
Tres Reynas	920 N Main St	47711
Tri State GN Sikh Temple	2816 Cullen Ave	47715
Trinity United Methodist	216 SE 3rd St	47713
Tropical Smoothie Café	2101 N Green River Rd	47715
Tropicana - Casino	615 NW Riverside Dr	47708
Tropicana - The District	701 NW Riverside Dr	47708
Tropicana Evansville Pavilion	450 NW Riverside Dr	47708
Tropicana Hotel/Conference Center/Temptation Buffet	421 NW Riverside Dr	47708

TABLE 7-1

Updated Food Establishment Listing

July 1, 2019 through December 31, 2019 Reporting Period

Establishment	Address	Zip Code
Tune Squad Pies	1010 S Kentucky	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
Twisted Tomato	1101 Harmony Way	47720
Two Brothers Chinese	3806 First Ave	47710
Una-Tu-Pizza	709 N Governor St	47711
United Caring Shelter	324 NW Sixth St	47708
University of Southern Indiana	8600 University Blvd	47712
University Nursing and Rehabilitation	1236 Lincoln Ave	47714
University Food Mart	1701 Lincoln Ave	47714
University of Evansville/CAFÉ COURT 79404001	1800 Lincoln Ave	47714
Vanderburgh Co Jail	3500 N Harlan Ave	47711
Vanderburgh Coliseum	300 Court St	47708
VFW Post 1114	110 Wabash Ave	47712
Vietnamese Cuisine Restaurant	4602 Vogel Rd	47715
Virginia Food Market	628 E Virginia St	47711
Vogel School	1500 Oak Hill Rd	47711
Wal-Mart Market #5372	3430 Taylor Ave	47714
Wal-Mart Market Store	2500 N 1st Ave	47710
Wal-mart Supercenter #1263	401 N Burkhardt Rd	47715
Wal-mart Supercenter #1341	335 S Red Bank Rd	47712
Walnut Creek	525 Bentee Wes Ct	47715
Walton's Comfort Food	956 Parrett St	47713
Washington School	1801 Washington Ave	47714
Wayback Burgers	624 E Diamond Ave	47711
Wayback Burgers	115 Cross Pointe Blvd Ste 4	47715
Wendy's #324	3351 N First Ave	47710
Wendy's #325	410 N St Joseph Ave	47712
Wendy's #326	4610 Lincoln Ave	47714
Wendy's #327	550 N Green River Rd	47715
Wendy's #346	401 S Boehne Camp Rd	47712
Wendy's #399	400 N Burkhardt Rd	47715
Wendy's #401	601 E Boonville New Harmony Rd	47725
We're Rolling Pretzel Co	335 S Red Bank Rd	47712
Wesselmans Sonntag	700 Sonntag Ave	47712
Wesselmans Weinbach	1 N Weinbach Ave	47711
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2019 through December 31, 2019 Reporting Period

Establishment	Address	Zip Code
White Swan Coffee Lab	2025 W Franklin Street	47712
Willow Park	5050 Lincoln Ave	47715
Windmill Dairy Queen	6801 Highway 41	47725
Wings Etc.	628 E Diamond Ave	47711
Wingstop	499 B N Green River Rd	47715
Wok N Roll	311 S Green River Rd	47715
Wolfe's Auto Auction Inc	2229 S Kentucky Ave	47714
Wolf's BBQ	6600 First Ave	47710
World Harvest Ministries Daycare	1111 S Green River Rd	47714
Xpress Pantry	326 S Kentucky Ave	47714
Xpress Pantry	1015 N Main St	47711
Xpress Pantry	221 N Fulton Ave	47710
Xpress Pantry	1123 N First Ave	47710
Yak-n-Yeti	815 S Green River Rd	47715
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
Zuki	1448 N Green River Rd	47715
Zuki - Downtown	222 Main St	47708

TABLE 7-2

Sewer Segments Treated for Root Intrusion

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	SubBasin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (LF)
SSS	W-9-2	2224 SHERIDAN RD	7/1/19	4618	4797	22548	8	VCP	404
SSS	W-12-2	1312 S HELFRICH AVE	7/22/19	100621	100622	23602	8	VCP	425
SSS	W-13-3	1601 WESTERN HILLS DR	7/29/19	11406	14567	13939	8	VCP	200
SSS	W-12-2	4500 PENNINGTON AVE	7/29/19	AEP	11315	23627	8	VCP	119
SSS	W-13-4	2725 MEADOW LARK LN	7/29/19	AEP	11329	13842	8	VCP	270
SSS	W-13-4	1463 CRESCENT CT	8/9/19	CO	129407	13795	8	RPM	144
SSS	W-13-4	1401 WESTWOOD HILLS DR	8/13/19	11368	11370	13786	8	RPM	238
SSS	W-13-4	1414 N BOEHNE CAMP RD	8/17/19	11364	11362	13783	8	RPM	269
SSS	W-13-3	3923 CLEMENT ST	8/17/19	7219	127999	13759	8	RPM	120
SSS	W-13-1	300 N RED BANK RD	8/19/19	14618	14610	14774	10	RPM	300
SSS	W-13-1	300 N RED BANK RD	8/19/19	14610	14622	23800	10	RPM	166
SSS	W-13-3	4121 W MARYLAND ST	8/21/19	128007	11425	23788	8	VCP	367
SSS	W-13-3	925 N HELFRICH AVE	8/21/19	11445	11571	15704	10	VCP	279
SSS	W-13-3	1113 N WERNER AVE	8/21/19	AEP	11143	13728	8	VCP	262
SSS	W-13-3	621 VANNESS ST	8/23/19	11582	11583	13378	8	VCP	340
SSS	W-13-3	621 VANNESS ST	8/23/19	CO	11582	13392	8	VCP	108
SSS	W-13-1	120 N ROSENBERGER AVE	9/4/19	14617	123845	23798	12	RCP	327
SSS	W-13-3	4020 WOLCOTT ST	9/4/19	11584	11583	13374	8	VCP	303
SSS	W-13-1	4595 UNIVERSITY DR	9/5/19	123845	11532	24953	12	RCP	342
SSS	W-13-3	4016 W MARYLAND ST	9/6/19	281182	11603	26847	8	VCP	346
SSS	W-13-2	N RED BANK RD	9/7/19	11499	11498	13654	8	VCP	242
SSS	W-13-3	4028 UPPER MT. VERNON RD.	9/7/19	11579	11581	13385	8	VCP	146
SSS	W-13-3	3900 WESTERN AVE	9/10/19	11417	37358	14765	10	VCP	304
SSS	W-13-3	4000 W COLUMBIA ST	9/12/19	282928	11596	29511	8	VCP	134
SSS	W-13-3	1319 GENESTA DR	9/13/19	AEP	280652	026125	8	VCP	142
SSS	W-13-3	3901 UPPER MOUNT VERNON RD	9/16/19	11587	11586	13384	8	VCP	225
SSS	W-12-3	722 JOBES LN	9/17/19	AEP	124289	22907	8	VCP	154
SSS	W-13-3	4220 WESTERN AVE	9/25/19	11576	281888	13709	8	VCP	199
SSS	W-13-3	1300 TERRACE AVE	10/25/19	280652	281950	28533	8	VCP	305
SSS	W-13-3	4105 CLEMENT ST.	11/11/19	11438	128000	13942	8	VCP	613
SSS	W-4-4	14 W LOUISIANA ST	11/26/19	283122	4924	6190	10	VCP	145
SSS	W-13-2	581 N RED BANK RD, 47712	12/11/19	11500	11498	13656	8	VCP	310
SSS	W-13-3	4211 WESTERN AVE	12/11/19	128000	11572	23182	8	VCP	366
<hr/>									8614

Total Segment Length Treated (ft)

8614

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-9-1	1730 ALLENS LN	2/19/19	281974	281973	28556	8	RPM	20
SSS	W-9-3	4607 N SAINT JOSEPH AVE	3/11/19	4823	4822	13572	15	RCP	157
SSS	W-9-2	2330 SHERIDAN RD	3/14/19	132350	4796	22546	8	VCP	364
SSS	E-10-3	4005 HUNTERS TRACE	3/15/19	73818	281890	15406	15	CAS	22
SSS	W-12-6	327 KEY WEST DR	3/18/19	14939	14838	13231	8	RPM	89
SSS	E-10-2	1708 N COLONY	4/10/19	281448	5654	27132	15	VCP	137
SSS	E-10-2	4006 E EICHELAVE	4/10/19	5618	5619	22152	8	RPM	229
SSS	W-9-2	3305 N SAINT JOSEPH AVE	4/11/19	4788	4790	22538	10	VCP	392
SSS	W-9-2	3417 N SAINT JOSEPH AVE	4/11/19	4757	4788	22539	10	VCP	400
SSS	E-10-2	3825 E MORGAN AVE	4/11/19	5654	5628	15176	15	RCP	174
SSS	E-10-2	4004 E MORGAN AVE	4/11/19	5627	5628	14954	10	RCP	268
SSS	E-10-2	4004 MORGAN AVE	4/11/19	5628	5629	15668	15	RCP	55
SSS	E-10-2	3825 E MORGAN ABE	4/11/19	5629	5620	15177	15	RCP	161
SSS	E-10-2	1422 N STOCKWELL RD	4/11/19	5620	15159	15178	15	RCP	161
SSS	E-10-2	1422 STOCKWELL RD	4/11/19	15159	283812	30370	15	RCP	26
SSS	E-10-2	1422 N STOCKWELL RD	4/15/19	283812	AWW	15682	15	RPM	35
SSS	W-9-4	2400 N SAINT JOSEPH AVE	4/16/19	99781	AWW	12513	8	VCP	179
SSS	W-9-4	1612 N SAINT JOSEPH AVE	4/23/19	8155	8148	23082	8	VCP	177
SSS	W-9-4	1624 N Saint Joseph Ave	4/24/19	8277	8155	23081	8	VCP	336
SSS	E-10-1	3728 PARK RIDGE DR	4/24/19	CO	4446	8229	8	RPM	74
SSS	E-10-1	3700 E DIAMOND AVE	4/26/19	5658	5699	24057	8	VCP	150
SSS	E-10-1	2000 N LOMBARD AVE	4/29/19	5691	50811	24067	8	VCP	244
SSS	E-10-1	3525 JOAN AVE	5/9/19	5707	50283	11238	8	VCP	212
SSS	E-10-1	3716 RICHARDT AVE	5/21/19	5705	5706	24058	8	VCP	312
SSS	W-12-4	1601 HILLSIDE TER	5/23/19	14900	14905	14149	8	RPM	382
SSS	W-12-4	5605 WHIPPOORWILL DR	6/1/19	14876	14872	14047	8	RPM	337
SSS	W-12-4	1620 REITER DR	6/3/19	283218	14891	29788	8	VCP	372
SSS	W-12-3	605 JOBES LN	6/6/19	281988	14709	28571	8	RPM	91
SSS	W-12-3	601 JOBES LN	6/6/19	14706	14707	14031	8	RPM	150
SSS	W-12-3	605 JOBES LN	6/6/19	14709	14708	14030	8	RPM	60
SSS	W-9-1	2001 ALLENS LN	6/10/19	4763	281876	12411	8	VCP	223
SSS	W-9-1	2001 ALLENS LN	6/10/19	281972	4763	12476	8	VCP	312
SSS	W-9-1	2024 ALLENS LN	6/10/19	131687	4762	13560	12	VCP	359
SSS	W-12-3	723 FOREST GLEN DR.	6/12/19	AEP	124289	22907	8	VCP	154
SSS	E-10-2	4035 E MORGAN AVE	6/21/19	5626	5627	8030	10	RCP	300
SSS	W-12-3	650 BENT FORK	6/25/19	14700	14701	14042	8	RPM	168

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-3	650 BENT FORK	6/25/19	14701	14702	14043	8	RPM	346
SSS	W-12-3	650 FLAT ROCK	6/25/19	14702	14703	14022	8	RPM	176
SSS	W-12-3	650 FLAT ROCK	6/25/19	14703	14704	14023	8	RPM	196
SSS	W-12-3	650 FLAT ROCK	6/26/19	14704	14705	14024	8	RPM	181
SSS	W-12-3	SWEETWATER WAY	6/26/19	14705	14681	14025	8	PVC	319
SSS	W-12-3	5505 MIDDLE MT VERNON RD	6/27/19	14681	14682	14020	8	PVC	78
SSS	W-12-3	5505 MIDDLE MT VERNON RD	6/27/19	14682	14680	14021	10	RPM	210
SSS	W-12-3	5505 MIDDLE MT VERNON RD	6/27/19	14680	14679	14019	10	RPM	266
SSS	W-12-3	5330 MIDDLE MT VERNON AVE	6/28/19	14675	14674	15654	15	RPM	403
SSS	W-12-3	5120 MIDDLE MT VERNON RD	6/28/19	14673	14672	15653	8	RPM	169
SSS	W-12-3	5102 MIDDLE MT. VERNON RD.	6/28/19	14674	14672	15639	15	RPM	402
SSS	W-12-3	5100 MIDDLE MT VERNON RD	6/29/19	14671	14670	15651	15	RPM	318
SSS	W-12-3	4800 ORCHID CT.	6/29/19	14665	284337	13481	10	VCP	405
SSS	W-12-3	5102 MIDDLE MT VERNON RD	6/29/19	14672	14671	15648	15	RPM	328
SSS	W-9-2	2029 ALLENS LN	7/1/19	131882	131883	21983	12	VCP	315
SSS	W-9-2	2029 ALLENS LN	7/1/19	131883	131689	21984	12	VCP	373
SSS	W-9-2	2224 SHERIDAN RD	7/1/19	4618	4797	22548	8	VCP	404
SSS	W-9-2	2023 ALLENS LN	7/1/19	131689	131690	22557	12	VCP	371
SSS	W-9-2	2750 ALLENS LN	7/1/19	133056	133055	24779	8	PVC	63
SSS	W-9-4	1116 N SAINT JOSPEH AVE	7/1/19	282863	8133	29448	15	RCP	221
SSS	W-12-3	4825 BROADWAY AVE	7/1/19	14664	1490	15599	15	RCP	188
SSS	W-12-2	4500 PENNINGTON AVE	7/1/19	AEP	11315	23627	8	VCP	175
SSS	W-12-2	4626 MIDDLE MT VERNON RD	7/1/19	11315	11316	23626	8	VCP	345
SSS	W-12-2	4626 MIDDLE MT VERONO RD	7/1/19	11316	11317	23625	8	VCP	174
SSS	W-9-1	2005 ALLENS LN	7/2/19	281876	4762	13547	8	VCP	36
SSS	W-12-1	1901 ROLLETT LN	7/2/19	AEP	15444	14080	8	VCP	83
SSS	W-12-1	1827 ROLLETT LN	7/2/19	15445	15444	12784	8	VCP	252
SSS	W-12-1	1901 ROLLETT LN	7/2/19	15444	281970	28554	8	VCP	33
SSS	W-12-2	4613 MIDDLE MT VERNON	7/2/19	11317	11318	23624	8	VCP	231
SSS	W-12-2	4513 MIDDLE MT VERNON	7/2/19	11318	1467	23623	8	VCP	408
SSS	W-12-1	1927 ROLLETT LN	7/2/19	15442	15440	14078	8	RPM	268
SSS	W-12-1	1927 ROLLETT LN	7/2/19	15440	15441	14077	8	RPM	44
SSS	W-12-2	1312 HATHAWAY	7/2/19	11320	11326	23628	8	VCP	412
SSS	W-12-1	1818 ROLLETT LN	7/2/19	15441	281970	14079	8	VCP	358
SSS	W-12-2	1400 HATHAWAY AVE	7/2/19	11326	11325	23629	8	VCP	201
SSS	W-12-2	4322 HATHAWAY AVE	7/2/19	AEP	11320	23646	8	VCP	10

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-1	1801 ROLLETT LN	7/2/19	15446	15445	14095	8	VCP	394
SSS	W-12-2	1424 HATHAWAY AVE	7/2/19	11325	1498	23620	8	VCP	349
SSS	W-12-2	1424 HATHAWAY AVE	7/2/19	1467	1498	23622	8	VCP	438
SSS	W-12-1	1801 ROLLETT LN	7/3/19	AEP	15446	14094	8	VCP	107
SSS	W-12-1	1801 ROLLETT LN	7/3/19	CO	124431	13485	8	VCP	325
SSS	W-12-2	1400 S BOSSE AVE	7/3/19	100742	100648	23128	8	VCP	7
SSS	W-12-1	1709 ROLLETT LN	7/3/19	124431	15446	14096	8	VCP	270
SSS	W-12-2	1300 S RED BANK	7/3/19	CO	100650	23613	8	RPM	105
SSS	W-12-2	1316 REDBANK RD	7/3/19	100650	100649	23601	8	RPM	405
SSS	W-12-2	1504 S BOSSE AVE	7/3/19	100648	100647	23604	8	RPM	412
SSS	W-12-2	4025 BROADWAY AVE	7/3/19	100647	100626	23595	8	VCP	423
SSS	W-12-2	1409 S HELFRICH AVE	7/3/19	100649	100652	23600	8	VCP	321
SSS	W-12-2	1516 S HELFRICH AVE	7/3/19	100625	100624	23597	8	RPM	170
SSS	W-12-2	1412 S BOSSE AVE	7/3/19	CO	100653	23599	8	RPM	161
SSS	W-12-2	1513 S BOSSE AVE	7/3/19	100653	100625	23598	8	RPM	420
SSS	W-12-2	1200 S HELFRICH AVE	7/5/19	100543	14378	23607	8	RPM	145
SSS	W-12-1	4410 OGDON AVE	7/5/19	15549	15450	15663	12	RCP	284
SSS	W-12-1	1818 ROLLETT LN	7/5/19	281970	15450	28334	8	VCP	718
SSS	W-12-2	1200 S HELFRICH AVE	7/5/19	14378	14379	23606	8	RPM	85
SSS	W-12-2	1306 S HELFRICH AVE	7/5/19	14379	100621	23605	8	VCP	304
SSS	W-12-2	1312 HELFRICH AVE	7/5/19	100621	ATC	23602	8	VCP	218
SSS	W-12-2	4304 PENNIONGTON AVE	7/5/19	283088	11322	23645	8	VCP	297
SSS	W-12-2	1408 S HELFRICH AVE	7/5/19	ATC	100662	23608	8	VCP	207
SSS	W-12-2	1200 S RED BANK RD	7/5/19	CO	11322	23638	8	VCP	234
SSS	W-12-2	1216 S RED BANK RD	7/5/19	11322	11323	23639	8	VCP	260
SSS	W-12-2	1823 HATHAWAY AVE	7/5/19	1477	1479	14075	8	VCP	250
SSS	W-12-2	1803 HATHAWAY AVE	7/5/19	1479	1480	14074	8	VCP	292
SSS	W-12-2	1523 BROADWAY AVE	7/8/19	100652	1489	23590	8	RPM	546
SSS	W-12-2	4319 BROADWAY AVE	7/8/19	1497	14645	23632	8	VCP	202
SSS	W-12-2	4301 MIDDLE MT VERNON	7/8/19	1498	1497	23621	8	VCP	269
SSS	W-12-1	1701 S RED BANK RD	7/8/19	1493	1482	13457	8	VCP	360
SSS	W-12-1	1701 S RED BANK RD	7/8/19	1492	1493	23619	8	VCP	352
SSS	W-12-2	1803 HATHAWAY AVE	7/8/19	1480	138916	14076	8	VCP	66
SSS	W-12-2	1701 S REDBANK RD	7/8/19	138916	1483	14099	8	VCP	432
SSS	W-12-1	1809 S RED BANK RD	7/8/19	1482	1481	14093	8	VCP	407
SSS	W-12-1	1903 S RED BANK RD	7/8/19	1481	1475	14089	8	VCP	415

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-1	1903 S RED BANK RD	7/8/19	1475	1474	14088	8	VCP	152
SSS	W-12-1	1901 S WERNER AVE	7/8/19	100803	100806	13464	8	VCP	479
SSS	W-12-1	1901 S WERNER AVE	7/8/19	100808	100806	13460	8	VCP	469
SSS	W-12-2	1508 S RED BANK RD	7/8/19	1499	1488	23643	8	VCP	368
SSS	W-12-2	1414 S RED BANK RD	7/8/19	11324	1499	23641	8	VCP	415
SSS	W-12-2	1301 S RED BANK	7/8/19	11323	11324	23640	8	VCP	415
SSS	W-12-1	1611 S BOSSE AVE	7/8/19	CO	100630	23588	8	VCP	139
SSS	W-12-1	1612 S HELFRICH AVE	7/8/19	CO	100630	23589	8	VCP	88
SSS	W-12-1	1619 S BOSSE AVE	7/8/19	100630	100631	23587	8	VCP	177
SSS	W-12-1	1705 S BOSSE AVE	7/8/19	100631	100632	23586	8	VCP	402
SSS	W-12-1	1801 S BOSSE AVE	7/8/19	100632	100635	13456	8	VCP	407
SSS	W-12-2	4115 BROADWAY AVE	7/9/19	100624	100627	23592	8	VCP	160
SSS	W-12-1	1618 S BOSSE AVE	7/9/19	100629	100642	23610	8	VCP	256
SSS	W-12-2	1512 HELFRICH AVE	7/9/19	100622	100624	23594	8	VCP	524
SSS	W-12-1	1702 S BOSSE AVE	7/9/19	100642	100639	23611	8	VCP	413
SSS	W-12-2	4115 BROADWAY AVE	7/9/19	100626	100627	23596	8	VCP	351
SSS	W-12-1	4004 SAUNDERS AVE	7/9/19	100639	100640	13470	8	VCP	406
SSS	W-12-1	4004 SAUNDERS AVE	7/9/19	283530	100640	13471	8	VCP	251
SSS	W-12-1	1816 S BOSSE AVE	7/9/19	100638	100804	13475	8	VCP	344
SSS	W-12-1	1800 S BOSSE AVE	7/9/19	100640	100638	13477	8	VCP	212
SSS	W-12-1	1819 S BOSSE AVE	7/9/19	100636	100813	13474	8	VCP	304
SSS	W-12-1	1800 S HELFRICH	7/9/19	100635	100636	13473	8	VCP	53
SSS	W-12-1	4103 S BOSSE AVE	7/9/19	100813	100812	13462	8	VCP	328
SSS	W-12-1	1919 S BOSSE AVE	7/9/19	100812	100811	13461	8	VCP	382
SSS	W-12-1	1937 S BOSSE AVE	7/9/19	100811	100810	13458	8	VCP	374
SSS	W-12-2	4219 BROADWAY AVE	7/10/19	100627	1489	23591	8	VCP	173
SSS	W-12-2	4301 BROADWAY AVE	7/10/19	1489	1488	23642	8	VCP	212
SSS	W-12-1	1900 S BOSSE AVE	7/10/19	100806	100805	13459	8	VCP	310
SSS	W-12-1	1920 S BOSSE AVE	7/10/19	100805	100807	13465	8	VCP	361
SSS	W-12-1	1900 S BOSSE AVE	7/10/19	100804	100805	13463	8	VCP	315
SSS	W-12-2	4319 BROADWAY AVE	7/10/19	1488	14645	23637	8	VCP	235
SSS	W-12-1	1934 S BOSSE AVE	7/10/19	100807	100809	13466	8	VCP	360
SSS	W-12-1	1625 S HELFRICH AVE	7/10/19	1496	100633	23609	8	VCP	263
SSS	W-12-1	1629 S HELFRICH AVE	7/10/19	100633	281521	23612	8	VCP	102
SSS	W-12-1	1703 S HELFRICH AVE	7/10/19	281521	100634	27226	8	VCP	176
SSS	W-12-1	4211 SAUNDERS AVE	7/10/19	100634	1495	13472	8	VCP	411

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-1	1801 S HELFRICH AVE	7/10/19	1495	100637	13476	8	VCP	57
SSS	W-12-1	1850 S HELFRICH AVE	7/10/19	100637	1494	13478	8	VCP	280
SSS	W-12-1	1831 S HELFRICH AVE	7/10/19	1494	1486	13469	8	VCP	336
SSS	W-12-1	1911 S HELFRICH AVE	7/10/19	1486	1485	13468	8	VCP	352
SSS	W-12-1	1935 HELFRICH AVE	7/10/19	284336	1484	14087	8	VCP	309
SSS	W-12-1	1935 HELFRICH AVE	7/10/19	1485	284336	31046	8	VCP	104
SSS	W-12-1	1901 HATHAWAY AVE	7/11/19	1478	1476	14070	8	VCP	129
SSS	W-12-1	1927 HATHAWAY AVE	7/11/19	1476	1470	14097	8	VCP	466
SSS	W-12-1	4408 BERNICE AVE	7/11/19	125670	1470	14069	8	VCP	371
SSS	W-12-1	1943 OGDEN AVE	7/11/19	1470	1471	14071	8	VCP	287
SSS	W-12-3	4800 ORCHID CT	7/12/19	284337	14668	31047	10	VCP	253
SSS	W-9-1	1931 ALLENS LN	7/12/19	4765	4766	31020	8	VCP	6
SSS	W-12-1	1937 S BOSSE AVE	7/12/19	100809	100810	13467	8	VCP	169
SSS	W-12-1	1935 S HELFRICH AVE	7/12/19	100810	1484	14086	10	VCP	328
SSS	W-12-1	1934 S RED BANK RD	7/12/19	14357	14358	22268	8	RPM	341
SSS	W-12-1	2300 S RED BANK RD	7/12/19	CO	14357	26775	8	RPM	116
SSS	W-12-1	1934 S RED BANK RD	7/12/19	1484	14358	14091	10	VCP	139
SSS	W-12-1	1920 HATHAWAY AVE	7/13/19	1474	1473	14073	8	VCP	370
SSS	W-12-1	4315 HATHAWAY AVE	7/13/19	1473	1472	14072	8	VCP	377
SSS	W-12-1	4315 HATHAWAY AVE	7/13/19	14640	1472	14090	10	VCP	154
SSS	W-12-1	2003 S RED BANK RD	7/13/19	14358	14640	14092	10	VCP	45
SSS	W-12-1	1943 HATHAWAY AVE	7/13/19	1472	1471	14083	10	VCP	177
SSS	W-12-1	4411 OGDEN AVE	7/13/19	1469	15448	14085	10	VCP	304
SSS	W-12-1	4411 OGDEN AVE	7/13/19	1471	1469	14084	10	VCP	363
SSS	W-9-1	2214 ST JOSEPH INDUSTRIAL PARK DR	7/15/19	132508	132506	12498	10	VCP	390
SSS	W-9-3	2315 GLENVIEW DR	7/15/19	15062	15061	12845	8	PVC	270
SSS	W-12-2	4505 BROADWAY AVE	7/15/19	14644	14643	23630	8	VCP	298
SSS	W-12-2	4503 BROADWAY AVE	7/15/19	14645	14644	23631	8	RCP	379
SSS	W-9-2	2218 ALLENS LN	7/16/19	4780	4755	13548	12	VCP	213
SSS	W-9-2	2308 ALLENS LN	7/16/19	4752	4751	13586	12	VCP	406
SSS	W-12-1	3911 BROADWAY AVE	7/16/19	AEP	170367	23668	8	PVC	3
SSS	W-12-1	3901 BROADWAY AVE	7/16/19	170367	170366	23669	8	PVC	77
SSS	W-12-1	3901 BROADWAY AVE	7/16/19	170366	170365	23670	8	PVC	25
SSS	W-12-1	3800 BROADWAY AVE	7/16/19	170368	170365	23671	8	PVC	241
SSS	W-12-1	3902 BROADWAY AVE	7/16/19	170356	170364	23672	8	PVC	9
SSS	W-12-1	4409 BERNICE DR	7/16/19	15448	15449	15664	12	RCP	418

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-1	4400 PERRY AVE	7/16/19	15450	1483	15665	12	RCP	654
SSS	W-12-2	1700 JOHNSON LN	7/16/19	1483	281800	28333	12	RCP	226
SSS	W-12-2	1600 JOHNSON LN	7/16/19	281800	281799	23655	12	RCP	402
SSS	W-12-2	1510 JOHNSON LN	7/16/19	281799	14648	28332	12	RCP	176
SSS	W-12-2	4600 BROADWAY AVE	7/16/19	14648	AWW	23652	12	RCP	175
SSS	W-12-1	4016 BROADWAY AVE	7/17/19	AEP	170362	26774	8	PVC	75
SSS	W-12-1	3706 BROADWAY AVE	7/17/19	170371	170370	23673	8	PVC	290
SSS	W-12-1	3600 BROADWAY AVE	7/17/19	170370	170369	23674	8	PVC	63
SSS	W-13-4	3033 PERIWINKLE	7/18/19	CO	14551	13823	8	RPM	98
SSS	W-13-4	3003 PERIWINKLE	7/18/19	14551	14550	13822	8	RPM	207
SSS	W-13-4	5343 DAFFODIL	7/18/19	14563	14550	13826	8	RPM	380
SSS	W-13-4	2929 PERIWINKLE	7/18/19	14550	14553	13824	8	RPM	191
SSS	W-13-4	2929 IRIS CT	7/18/19	14562	14553	13835	8	RPM	282
SSS	W-13-4	2230 WEST HAVEN DR	7/18/19	129346	129347	13849	8	RPM	375
SSS	W-13-4	2110 WEST HAVEN DR	7/18/19	129347	129348	13850	8	RPM	409
SSS	W-13-4	2930 PERIWINKLE	7/18/19	CO	14553	13825	8	RPM	154
SSS	W-13-4	2928 PERIWINKLE	7/18/19	14553	14559	13834	8	RPM	150
SSS	W-13-4	2833 PERIWINKLE	7/18/19	282460	128322	13827	8	RPM	117
SSS	W-13-4	5316 WEST HAVEN DR	7/18/19	11337	11336	13845	8	VCP	257
SSS	W-13-4	2814 PERIWINKLE	7/18/19	128322	14558	13828	8	RPM	166
SSS	W-13-4	5408 WEST HAVEN DR	7/18/19	11336	11335	13695	8	VCP	326
SSS	W-13-4	2615 MEADOW LARK LN.	7/18/19	CO	137646	13863	8	VCP	233
SSS	W-13-4	2621 MEADOW LARK LN.	7/18/19	137646	11330	13859	8	VCP	167
SSS	W-13-4	2621 MEADOW LARK LN.	7/18/19	11330	281901	28475	8	VCP	50
SSS	W-13-4	5600 WEST HAVEN RD	7/19/19	11335	11334	13696	8	VCP	310
SSS	W-13-4	5620 WEST HAVEN DR	7/19/19	11334	11333	13694	8	VCP	273
SSS	W-13-4	2725 MEADOW LARK LN	7/19/19	11345	11329	13840	12	VCP	343
SSS	W-13-4	2904 PERIWINKLE	7/19/19	14549	14554	13813	8	RPM	196
SSS	W-13-4	2940 PERIWINKLE	7/19/19	14548	14549	13812	8	RPM	151
SSS	W-13-4	3008 PERIWINKLE	7/19/19	14546	14547	13810	8	RPM	195
SSS	W-13-4	2940 PERIWINKLE	7/19/19	14547	14548	13811	8	RPM	218
SSS	W-13-4	3008 N REDBANK RD	7/20/19	AEP	11349	12794	12	VCP	260
SSS	W-13-4	2922 N REDBANK RD	7/20/19	11349	137643	12793	12	VCP	195
SSS	W-13-4	2816 N REDBANK RD	7/20/19	137643	137644	12795	12	VCP	291
SSS	W-13-4	2804 N REDBANK RD	7/20/19	137644	281921	13836	12	VCP	351
SSS	W-13-4	2804 N REDBANK RD	7/20/19	281921	281922	28508	12	VCP	148

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	2722 N REDBANK RD	7/20/19	281922	281920	28509	12	VCP	177
SSS	W-13-4	2722 N REDBANK RD	7/20/19	281920	11346	28507	12	VCP	47
SSS	W-13-4	2722 N REDBANK RD	7/20/19	11346	11345	13837	12	VCP	50
SSS	W-13-4	2840 PERIWINKLE	7/22/19	14559	14560	13819	8	RPM	74
SSS	W-13-4	1900 APPLE RIDGE DR	7/22/19	CO	14639	10696	8	RPM	127
SSS	W-13-4	MEADOW LARK CT	7/22/19	14560	14561	13821	8	RPM	371
SSS	W-13-4	2809 MEADOW LARK CT	7/22/19	14334	14561	13820	8	RPM	55
SSS	W-13-4	1900 APPLE RIDGE DR	7/22/19	14338	14339	13688	8	RPM	367
SSS	W-13-4	APPLE RIDGE DR	7/22/19	14639	14638	5052	8	RPM	353
SSS	W-13-4	2816 MEADOW LARK LANE	7/22/19	11329	11328	13839	8	VCP	157
SSS	W-13-4	2725 CAREN DR	7/22/19	284342	11332	13843	8	VCP	218
SSS	W-13-4	2725 CAREN DR	7/22/19	11328	284342	31054	8	VCP	88
SSS	W-13-4	2840 PERIWINKLE DR.	7/22/19	14554	14555	13814	8	RPM	71
SSS	W-13-4	2840 PERIWINKLE DR.	7/22/19	14555	14556	13815	8	RPM	43
SSS	W-13-4	2840 PERIWINKLE DR.	7/22/19	14556	14557	13816	8	RPM	110
SSS	W-13-4	2626 MEADOW LARK LN.	7/22/19	CO	129352	13855	8	VCP	224
SSS	W-13-4	2814 PERIWINKLE DR.	7/22/19	14557	14558	13817	8	RPM	41
SSS	W-13-4	2814 PERIWINKLE DR.	7/22/19	14558	14559	13818	8	RPM	110
SSS	W-13-4	2620 MEADOW LARK LN	7/22/19	129353	129352	13854	8	VCP	155
SSS	W-13-3	3601 ADOBE	7/22/19	4042	128216	13775	8	VCP	188
SSS	W-13-3	3601 ADOBE	7/22/19	128216	11406	13774	8	VCP	105
SSS	W-13-3	1600 WESTERN HILLS DR	7/22/19	11403	11404	13936	8	VCP	210
SSS	W-13-4	1640 APPLE RIDGE DRIVE	7/23/19	CO	14336	5054	8	RPM	87
SSS	W-13-4	6100 OLD FARM RD	7/23/19	282567	282568	29117	8	PVC	78
SSS	W-13-4	1926 DIEFFENBACH RD	7/23/19	282568	282067	29118	8	PVC	58
SSS	W-13-4	1800 DIEFFENBACH RD	7/23/19	282067	282066	28619	8	RPM	148
SSS	W-13-4	1818 DIEFFENBACH RD	7/23/19	282066	280674	26143	8	RPM	100
SSS	W-13-4	1926 OLD FARM RD	7/23/19	282565	282566	29115	8	PVC	72
SSS	W-13-4	1926 OLD FARM RD	7/23/19	282566	282567	29116	8	PVC	119
SSS	W-13-3	3700 ADOBE ST	7/23/19	11406	14567	13939	8	VCP	377
SSS	W-13-4	1818 DIEFFENBACH RD	7/23/19	280674	280673	26142	8	RPM	217
SSS	W-13-4	1810 DIEFFENBACH RD	7/23/19	280673	280672	26141	8	RPM	183
SSS	W-13-4	1810 DIEFFENBACH RD	7/23/19	280672	14635	26140	8	DIP	166
SSS	W-13-4	2620 MEADOW LARK LN.	7/23/19	281901	129352	30503	8	VCP	180
SSS	W-13-4	2623 MAGNOLIA DR.	7/23/19	129352	281902	28476	8	VCP	65
SSS	W-13-4	2623 MAGNOLIA DR	7/23/19	281902	11339	13856	8	VCP	82

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	2608 MEADOW LARK LN.	7/23/19	129354	129353	13853	8	VCP	71
SSS	W-13-4	5301 WESTHAVEN DR.	7/23/19	AEP	129354	13860	8	VCP	57
SSS	W-13-3	3700 ADOBE ST	7/23/19	11404	14567	13762	8	VCP	113
SSS	W-13-4	1732 APPLE RIDGE DR	7/23/19	14368	14367	5051	8	RPM	138
SSS	W-13-3	3700 ADOBE ST	7/23/19	14568	14567	13940	8	RPM	160
SSS	W-13-3	1424 WESTERN HILLS AVE	7/23/19	14567	11409	13763	8	VCP	483
SSS	W-13-4	2725 MEADOW LARK LN	7/23/19	AEP	11329	13842	8	VCP	270
SSS	W-13-4	2618 CAREN DR.	7/23/19	14561	128323	13829	8	RPM	214
SSS	W-13-4	2534 CAREN DR.	7/23/19	128323	11331	30517	8	RPM	326
SSS	W-13-4	2525 CAREN DR	7/23/19	11332	284339	13838	8	VCP	131
SSS	W-13-4	2525 CAREN DR	7/23/19	284339	11331	31052	8	VCP	97
SSS	W-13-1	4540 UNIVERSITY DR	7/24/19	14776	14775	12726	8	PVC	103
SSS	W-13-1	4540 UNIVERSITY DR	7/24/19	14777	14775	13649	8	PVC	284
SSS	W-13-1	4595 UNIVERSITY DR	7/24/19	282408	14774	24955	8	PVC	88
SSS	W-13-1	4311 S ROSENBERGER AVE	7/24/19	14775	282408	24956	8	PVC	271
SSS	W-13-1	4595 UNIVERSITY DR	7/24/19	14774	281059	24957	8	PVC	104
SSS	W-13-1	4200 HOGUE RD	7/24/19	280694	280693	26197	8	RPM	210
SSS	W-13-1	4200 HOGUE RD	7/24/19	280693	280692	26198	8	RPM	254
SSS	W-13-1	4200 HOGUE RD	7/24/19	280692	280691	26199	8	RPM	401
SSS	W-13-1	4200 HOGUE RD	7/24/19	280691	280690	26200	8	RPM	128
SSS	W-13-1	3901 DOROTHY DR	7/24/19	280690	280689	26201	8	RPM	132
SSS	W-13-1	120 N ROSENBERGER AVE	7/24/19	281059	11532	26743	8	PVC	38
SSS	W-13-1	4540 UNIVERSITY	7/24/19	281061	14776	26745	8	PVC	15
SSS	W-13-1	4595 UNIVERSITY DR	7/24/19	284346	14776	31058	8	VCP	29
SSS	W-13-4	5741 WOODLAND KNOLL LN	7/24/19	11376	11377	13693	8	VCP	133
SSS	W-13-3	1205 WESTERN HILLS AVE	7/24/19	CO	127993	13750	8	RPM	54
SSS	W-13-3	1205 WESTERN HILLS AVE	7/24/19	CO	127993	13749	8	RPM	22
SSS	W-13-4	5771 WOODLAND KNOLL LN	7/24/19	11377	11375	14180	8	VCP	105
SSS	W-13-3	1205 WESTERN HILLS AVE	7/24/19	127993	127992	12362	8	RPM	37
SSS	W-13-3	1205 WESTERN HILLS AVE	7/24/19	CO	127992	13747	8	VCP	47
SSS	W-13-3	1400 WESTERN HILLS AVE	7/24/19	11409	11410	23782	8	VCP	370
SSS	W-13-4	1462 WESTWOOD HILLS	7/24/19	11375	11374	14181	8	RPM	307
SSS	W-13-4	1406 WESTWOOD HILLS	7/24/19	11374	11373	14175	8	RPM	299
SSS	W-13-4	2110 WESTHAVEN DR	7/24/19	129348	129349	13851	8	RPM	161
SSS	W-13-4	2500 CAREN DR	7/24/19	129349	11341	13852	8	RPM	42
SSS	W-13-3	1300 WESTERN HILLS AVE	7/24/19	11410	11411	13743	8	VCP	389

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	5637 WOODLAND KNOLL LN	7/24/19	11378	11379	13692	8	RPM	299
SSS	W-13-3	1215 WESTERN HILLS AVE	7/24/19	127992	282419	13748	8	VCP	395
SSS	W-13-4	5605 WOODLAND KNOLL	7/24/19	11379	11380	13798	8	RPM	189
SSS	W-13-3	1300 WESTERN HILLS AVE	7/24/19	282419	11411	13753	8	VCP	340
SSS	W-13-4	1473 N BOEHNE CAMP RD	7/24/19	11380	11363	13779	8	RPM	153
SSS	W-13-4	2510 CAREN DR	7/24/19	11331	11342	13848	8	RPM	185
SSS	W-13-4	2500 CAREN DR	7/24/19	11342	11341	13846	8	RPM	178
SSS	W-13-1	300 N RED BANK RD	7/25/19	14620	14619	12748	8	PVC	184
SSS	W-13-1	415 NUNNING RD	7/25/19	14623	14620	13650	8	PVC	346
SSS	W-13-4	2019 WEST HAVEN DR	7/25/19	11341	284344	14776	8	RPM	39
SSS	W-13-4	2019 WEST HAVEN DR	7/25/19	284344	129350	31056	8	RPM	34
SSS	W-13-4	1463 CRESCENT CT	7/25/19	CO	129407	13795	8	RPM	144
SSS	W-13-4	2019 WEST HAVEN DR	7/25/19	129350	11340	14777	8	RPM	132
SSS	W-13-4	2019 WEST HAVEN DR	7/25/19	284345	11340	31057	8	RPM	61
SSS	W-13-4	2019 WEST HAVEN DR	7/25/19	284343	129350	13857	8	RPM	166
SSS	W-13-4	2019 WEST HAVEN DR	7/25/19	11133	284343	31055	8	VCP	126
SSS	W-13-4	2525 CAREN DR	7/25/19	11339	284340	13844	8	VCP	110
SSS	W-13-4	2525 CAREN DR	7/25/19	284340	11332	31053	8	VCP	214
SSS	W-13-4	1419 CRESCENT CT	7/25/19	129407	11358	13796	8	RPM	268
SSS	W-13-4	1361 CRESCENT CT	7/25/19	11358	11359	13789	8	RPM	132
SSS	W-13-4	1400 CRESCENT CT	7/25/19	11361	11359	13777	8	RPM	152
SSS	W-13-4	1341 CRESCENT CT.	7/25/19	AEP	11353	13776	8	RPM	149
SSS	W-13-4	1341 CRESCENT DR.	7/25/19	11359	11353	13685	8	RPM	149
SSS	W-13-4	1330 N BOEHNE CAMP RD.	7/25/19	11363	11361	13778	8	RPM	384
SSS	W-13-3	907 N CRAIG AVE	7/26/19	128004	128006	23785	8	VCP	327
SSS	W-13-3	907 N CRAIG AVE	7/26/19	AEP	128006	23786	8	VCP	141
SSS	W-13-3	3901 W MARYLAND ST	7/26/19	128006	283746	30295	8	VCP	141
SSS	W-13-3	3901 W MARYLAND ST	7/26/19	283746	283745	30296	8	VCP	17
SSS	W-13-4	1403 HALSEY AVE	7/26/19	14343	14624	14173	8	RPM	210
SSS	W-13-4	1431 HALSEY AVE	7/26/19	14344	14343	14182	8	RPM	338
SSS	W-13-4	1348 HALSEY AVE	7/26/19	14624	11373	14178	8	RPM	147
SSS	W-13-3	3913 W MARYLAND ST	7/26/19	283745	283744	23787	8	VCP	228
SSS	W-13-3	4013 W MARYLAND ST	7/26/19	283744	128007	30294	8	VCP	207
SSS	W-9-1	1730 ALLENS LN	7/27/19	38545	281974	12837	8	RPM	241
SSS	W-13-1	21 MAYA CT	7/27/19	280583	280582	26050	8	PVC	109
SSS	W-13-1	41 MAYA CT	7/27/19	280584	280583	26051	8	PVC	53

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-1	101 MAYA CT	7/27/19	280585	280584	26052	8	PVC	52
SSS	W-13-1	21 MAYA CT	7/27/19	281702	280582	28209	8	PVC	43
SSS	W-13-4	1721 DIEFFENBACH RD	7/27/19	14337	14636	10697	8	RPM	144
SSS	W-13-4	1710 APPLE RIDGE CT	7/27/19	14336	14335	5055	8	RPM	370
SSS	W-13-4	1732 APPLE RIDGE CT	7/27/19	14335	14337	5056	8	RPM	126
SSS	W-13-4	1732 APPLE RIDGE DR	7/27/19	14637	14337	10695	8	RPM	221
SSS	W-13-4	1472 N BOEHNE CAMP RD	7/27/19	CO	11364	13690	8	RPM	34
SSS	W-13-4	1472 N BOEHNE CAMP RD	7/27/19	CO	11364	13689	8	RPM	70
SSS	W-13-4	1414 N BOEHNE CAMP RD	7/27/19	11364	11362	13783	8	RPM	269
SSS	W-13-4	1179 N BOEHNE CAMP RD	7/27/19	11362	11356	13791	8	RPM	312
SSS	W-13-1	121 S BOEHNE CAMP RD	7/29/19	14735	14734	13293	8	PVC	318
SSS	W-13-1	18 S BOEHNE CAMP RD	7/29/19	14359	14356	14005	8	RPM	344
SSS	W-13-1	25 S BOEHNE CAMP RD	7/29/19	14360	14356	14012	8	RPM	39
SSS	W-13-1	121 S BOEHNE CAMP RD	7/29/19	14733	14360	14014	8	PVC	85
SSS	W-13-1	121 S BOEHNE CAMP RD	7/29/19	14734	14733	14015	8	RPM	392
SSS	W-13-1	5737 DOGWOOD DR	7/29/19	280580	14359	26047	8	PVC	118
SSS	W-13-1	5737 DOGWOOD DR	7/29/19	280581	280580	26048	8	PVC	108
SSS	W-13-1	21 MAYA CT	7/29/19	280581	280582	26049	8	PVC	277
SSS	W-13-3	4121 W MARYLAND ST	7/29/19	128007	11425	23788	8	VCP	367
SSS	W-13-3	4008 WESTERN AVE	7/29/19	37358	11425	14764	12	VCP	290
SSS	W-13-3	4009 WESTERN AVE	7/29/19	11426	ATC	30455	8	VCP	14
SSS	W-13-3	4016 W OREGON ST	7/29/19	128005	125663	13771	8	VCP	464
SSS	W-13-4	1270 N BOEHNE CAMP RD.	7/29/19	284354	11352	13782	8	RPM	317
SSS	W-13-3	4016 W OREGON ST	7/29/19	127989	37358	13758	8	VCP	278
SSS	W-13-4	1178 WESTWOOD HILLS DR.	7/29/19	11356	11357	13784	8	RPM	209
SSS	W-13-4	1207 WESTWOOD HILLS DR.	7/29/19	11371	11356	13787	8	RPM	232
SSS	W-13-1	4905 UNIVERSITY DR	7/30/19	14791	14790	13498	8	PVC	191
SSS	W-13-1	103 WESTON RD	7/30/19	14719	14348	13973	8	PVC	108
SSS	W-13-1	103 WESTON RD	7/30/19	14732	14731	13979	8	PVC	368
SSS	W-13-1	103 WESTON RD	7/30/19	14725	14732	13980	8	PVC	381
SSS	W-13-1	5212 WESTON RD	7/30/19	14729	14728	13998	8	PVC	335
SSS	W-13-1	5320 WESTON RD	7/30/19	14730	14729	13999	8	PVC	335
SSS	W-13-1	111 S RED BANK RD	7/30/19	14726	14725	14000	8	PVC	196
SSS	W-13-1	131 S RED BANK RD	7/30/19	14727	14725	14001	8	PVC	196
SSS	W-13-3	1116 WERNER AVE	7/30/19	AEP	283927	30501	8	PVC	229
SSS	W-13-3	4121 W MARYLAND ST	7/30/19	CO	11426	13736	8	VCP	307

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	1625 DIEFFENBACH	7/30/19	14636	14635	10694	8	RPM	216
SSS	W-13-4	1625 DIEFFENBACH	7/30/19	14635	14634	10693	8	RPM	65
SSS	W-13-3	1300 WESTERN HILLS AVE	7/30/19	11411	11412	13741	8	VCP	146
SSS	W-13-4	1515DIEFFENBACH RD.	7/30/19	14633	14632	14158	8	RPM	398
SSS	W-13-3	1113 WERNER AVE	7/30/19	127999	11434	13757	8	VCP	194
SSS	W-13-4	1506 KRUEGER AVE	7/30/19	14631	14630	14167	8	RPM	141
SSS	W-13-4	5927 KRUEGER AVE	7/30/19	14630	14629	14166	8	RPM	22
SSS	W-13-3	1112 WERNER AVE	7/30/19	11434	127989	13746	8	VCP	56
SSS	W-13-3	4008 RODENBERG AVE	7/30/19	14565	14564	13764	8	PVC	201
SSS	W-13-3	4112 RODENBERG AVE	7/30/19	CO	14566	13766	8	PVC	96
SSS	W-13-4	5927 KRUEGER AVE	7/30/19	14629	14628	14165	8	RPM	28
SSS	W-13-3	4112 RODENBERG AVE	7/30/19	14566	14564	13765	8	RPM	164
SSS	W-13-3	3923 CLEMENT ST.	7/30/19	14564	7219	13767	8	RPM	266
SSS	W-13-3	1312 GENESTA DR	7/30/19	AEP	281540	30488	8	VCP	50
SSS	W-13-3	1112 WERNER AVE	7/30/19	283927	127989	30502	8	PVC	148
SSS	W-13-4	1424 KRUEGER AVE	7/30/19	14628	14342	14162	8	RPM	249
SSS	W-13-3	3919 CLEMENT ST.	7/30/19	127997	281540	23784	8	VCP	86
SSS	W-13-3	3923 CLEMENT ST.	7/30/19	281540	127998	27252	8	VCP	100
SSS	W-13-3	3923 CLEMENT ST.	7/30/19	127998	7219	13761	8	VCP	22
SSS	W-13-3	1300 TERRACE AVE	7/30/19	11412	283991	27227	8	VCP	341
SSS	W-13-1	103 WESTON RD	7/31/19	14721	14719	13974	8	PVC	204
SSS	W-13-1	103 WESTON RD	7/31/19	14724	14721	13975	8	PVC	92
SSS	W-13-1	103 WESTON RD	7/31/19	14731	14724	13978	8	PVC	112
SSS	W-13-1	5120 WESTON RD	7/31/19	14728	14727	14004	8	PVC	66
SSS	W-13-1	4540 UNIVERSITY DR	7/31/19	281060	281061	26744	8	PVC	155
SSS	W-13-3	4108 WESTERN AVE	7/31/19	11425	11445	15703	12	VCP	236
SSS	W-13-3	4016 W OREGON ST	7/31/19	11417	37358	14765	10	VCP	380
SSS	W-13-4	1421 KRUEGER AVE	7/31/19	14339	14340	14161	8	RPM	157
SSS	W-13-3	4108 VANNESS	7/31/19	11549	11550	13367	8	VCP	187
SSS	W-13-3	3900 CLEMENT ST	7/31/19	11415	ATC	27228	8	VCP	125
SSS	W-13-3	413 VANNESS	7/31/19	11550	11551	13366	8	VCP	131
SSS	W-13-4	1700 DIEFFENBACH	7/31/19	14634	14633	10692	8	RPM	109
SSS	W-13-4	6019 DIEFFENBACH RD	7/31/19	14632	14339	14163	8	RPM	214
SSS	W-13-3	431 VANNESS	7/31/19	CO	11551	13368	8	VCP	216
SSS	W-13-3	1300 TERRACE AVE	7/31/19	127994	284372	13756	8	VCP	495
SSS	W-13-3	1300 TERRACE AVE	7/31/19	284372	11415	31090	8	VCP	23

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	6000 KRUEGER AVE	7/31/19	14340	14341	14160	8	RPM	232
SSS	W-13-4	1404 HALSEY AVE.	7/31/19	14341	14342	14159	8	RPM	250
SSS	W-13-4	1332 HALSEY AVE	7/31/19	14342	14627	14172	8	RPM	383
SSS	W-13-3	3901 UPPER MOUNT VERNON RD	8/1/19	11587	11586	13384	8	VCP	225
SSS	W-13-3	3900 UPPER MOUNT VERNON RD	8/1/19	11586	11585	13382	8	VCP	70
SSS	W-13-3	3814 UPPER MOUNT VERNON RD	8/1/19	11585	11584	13375	8	VCP	324
SSS	W-13-3	1300 TERRACE AVE	8/1/19	280562	281950	28533	8	VCP	305
SSS	W-13-3	1319 GENESTA DR	8/1/19	AEP	280652	26125	8	VCP	142
SSS	W-13-3	4008 WOLCOTT ST	8/1/19	11584	11583	13374	8	VCP	303
SSS	W-13-3	3918 VANNESS	8/1/19	CO	11582	13392	8	VCP	108
SSS	W-13-3	605 VANNESS	8/1/19	11582	11583	13378	8	VCP	340
SSS	W-13-3	3900 WESTERN AVE	8/1/19	11416	11417	13729	8	VCP	168
SSS	W-13-3	3923 CLEMENT ST.	8/1/19	7219	127999	13759	8	VCP	120
SSS	W-13-3	4128 KEDZIE AVE	8/1/19	11563	11561	13377	8	VCP	382
SSS	W-13-3	3900 CLEMENT ST.	8/2/19	281950	11416	26124	8	VCP	193
SSS	W-13-3	4112 WOLCOTT ST	8/2/19	11583	100037	13373	8	VCP	253
SSS	W-13-3	3900 CLEMENT ST.	8/2/19	283991	11415	30585	8	VCP	249
SSS	W-13-3	410 WOLCOTT	8/2/19	100037	11562	13372	8	VCP	213
SSS	W-13-3	4028 UPPER MOUNT VERNON RD	8/2/19	11579	11581	13385	8	VCP	146
SSS	W-13-4	1314 HALSEY AVE	8/2/19	14627	14626	14177	8	RPM	241
SSS	W-13-4	1290 WESTWOOD HILLS DR.	8/2/19	14626	14625	14174	8	RPM	182
SSS	W-13-4	1290 WESTWOOD HILLS DR.	8/2/19	11373	14625	14176	8	RPM	225
SSS	W-13-4	1270 N BOEHNE CAMP RD	8/2/19	11357	11352	13785	8	RPM	193
SSS	W-13-4	1178 WESTWOOD HILLS DR	8/2/19	11372	11357	13788	8	VCP	223
SSS	W-13-4	1236 WESTWOOD HILLS DR	8/2/19	14625	11372	13793	8	VCP	231
SSS	W-13-1	5611 FOREST AVE	8/3/19	14354	14350	13982	8	RPM	355
SSS	W-13-1	5633 FOREST AVE	8/3/19	14718	14354	13983	8	RPM	124
SSS	W-13-1	5711 FOREST AVE	8/3/19	CO	14718	13996	8	PVC	154
SSS	W-13-1	5711 FOREST AVE	8/3/19	14355	14718	14007	8	PVC	228
SSS	W-13-1	5735 S BOEHNE CAMP RD	8/3/19	14356	14355	14013	8	RPM	133
SSS	W-13-1	100 FOREST AVE	8/3/19	14351	14345	14778	10	PVC	111
SSS	W-13-1	100 FOREST AVE	8/3/19	14345	14350	14779	10	RPM	176
SSS	W-13-1	5506 DOGWOOD DR	8/3/19	14350	14349	14781	10	RPM	304
SSS	W-13-1	18 S BOEHNE CAMP RD	8/3/19	14349	14348	14783	10	RPM	301
SSS	W-9-3	4301 N SAINT JOSEPH AVE	8/3/19	4819	4820	16514	12	RCP	24
SSS	W-9-1	1931 ALLENS LN	8/3/19	4766	4767	12472	8	VCP	104

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	1235 UPPER MT VERNON RD.	8/3/19	11352	11351	13790	8	RPM	407
SSS	W-13-4	1235 UPPER MT VERNON RD	8/3/19	11353	11351	13780	8	RPM	181
SSS	W-13-3	4000 W. MARYLAND ST.	8/3/19	11602	281182	23776	8	VCP	353
SSS	W-13-4	5501 UPPER MOUNT VERNON RD	8/3/19	11351	129405	13794	8	RPM	149
SSS	W-13-4	5420 UPPER MOUNT VERNON RD	8/3/19	129405	11350	13677	8	RPM	37
SSS	W-13-3	4016 W. MARYLAND ST.	8/3/19	281182	11603	26847	8	VCP	346
SSS	W-13-3	4211 WESTERN AVE	8/3/19	128000	11572	23182	8	VCP	367
SSS	W-13-4	5600 UPPER MOUNT VERNON RD	8/3/19	CO	11350	29140	8	RPM	80
SSS	W-13-3	4108 WESTERN AVE.	8/3/19	11603	11445	23780	8	VCP	416
SSS	W-13-4	5411 UPPER MOUNT VERNON RD	8/3/19	11350	129404	13678	8	RPM	249
SSS	W-13-4	5318 UPPER MOUNT VERNON RD	8/3/19	129404	129403	13679	8	RPM	339
SSS	W-13-4	5315 UPPER MOUNT VERNON RD	8/3/19	129403	129402	13680	8	RPM	276
SSS	W-13-3	4109 WESTERN AVE.	8/3/19	11444	11445	23792	8	VCP	239
SSS	W-13-4	5119 UPPER MOUNT VERNON RD	8/3/19	129402	11381	13681	8	RPM	421
SSS	W-13-3	4212 WESTERN AVE.	8/3/19	11445	11571	15704	10	VCP	279
SSS	W-13-1	300 N RED BANK RD	8/5/19	124642	14610	13652	8	RPM	394
SSS	W-13-1	211 NUNNING RD	8/5/19	AEP	124643	13666	8	RPM	3
SSS	W-13-1	211 NUNNING RD	8/5/19	AEP	124643	13667	8	RPM	3
SSS	W-13-1	51 NUNNING RD	8/5/19	11507	11506	14773	10	RPM	121
SSS	W-13-1	300 N RED BANK RD	8/5/19	14618	14610	14774	10	RPM	300
SSS	W-13-1	51 NUNNING RD	8/5/19	11506	14618	14775	10	RPM	206
SSS	W-13-1	51 NUNNING RD	8/5/19	14346	11507	14784	10	RPM	260
SSS	W-13-1	300 N RED BANK RD	8/5/19	14610	14622	23800	10	RPM	166
SSS	W-13-1	111 MAYA CT	8/5/19	280586	280585	26053	8	PVC	83
SSS	W-13-1	120 N BOEHNE CAMP RD	8/5/19	280585	280587	26054	8	PVC	376
SSS	W-13-2	215 N BOEHNE CAMP RD	8/5/19	280587	280588	26055	8	PVC	176
SSS	W-13-3	4129 KEDZIE	8/5/19	11581	11561	13380	8	VCP	155
SSS	W-13-3	4129 WOLCOTT	8/5/19	11561	11562	13376	8	VCP	315
SSS	W-13-1	103 S RED BANK RD	8/6/19	14352	14353	14780	10	RPM	56
SSS	W-13-1	103 S RED BANK RD	8/6/19	14348	14352	14782	10	RPM	86
SSS	W-13-4	5214 WEST HAVEN DR	8/6/19	AEP	11337	13847	8	VCP	3
SSS	W-13-3	4129 KEDZIE	8/6/19	11580	11581	13379	8	VCP	325
SSS	W-13-3	1104 CLEMENT ST.	8/6/19	11438	128000	13942	8	VCP	613
SSS	W-13-3	4211 WESTERN AVE	8/6/19	11572	ATC	29441	8	VCP	49
SSS	W-13-3	864 N HELFRICH AVE	8/6/19	11599	11600	23190	8	VCP	438
SSS	W-13-3	4220 WESTERN AVE	8/6/19	125649	284374	13704	8	VCP	315

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-3	4220 WESTERN AVE	8/6/19	284374	11576	31094	8	VCP	207
SSS	W-13-3	918 N HELFRICH AVE	8/6/19	11600	11571	22827	8	VCP	214
SSS	W-13-1	300 HAYES DR	8/7/19	14619	282361	12749	8	PVC	360
SSS	W-13-1	111 N RED BANK RD	8/7/19	14612	14613	13657	8	PVC	89
SSS	W-13-1	111 N RED BANK RD	8/7/19	AEP	11504	13658	8	PVC	181
SSS	W-13-1	111 N RED BANK RD	8/7/19	11504	14612	13660	8	PVC	249
SSS	W-13-1	429 RED BANK RD	8/7/19	11502	123851	13662	8	RPM	453
SSS	W-13-1	111 N RED BANK RD	8/7/19	123851	14613	13663	8	RPM	391
SSS	W-13-1	300 SOUTH TOWER DR	8/7/19	282361	14611	23799	12	RCP	307
SSS	W-13-1	4930 LAKESIDE CT	8/7/19	14613	14786	23801	12	RCP	300
SSS	W-13-1	300 N RED BANK RD	8/7/19	14611	14613	23803	12	RCP	357
SSS	W-13-1	300 SOUTH TOWER DR	8/7/19	14622	282361	28937	12	RCP	25
SSS	W-13-3	4220 WESTERN AVE	8/7/19	11571	11576	15638	10	VCP	240
SSS	W-13-3	4300 WESTERN AVE	8/7/19	11576	281888	13709	8	VCP	199
SSS	W-13-3	4124 GAYNE AVE	8/7/19	11557	11556	13370	8	VCP	379
SSS	W-13-3	GAYNE AVE	8/7/19	AEP	11557	13371	8	VCP	3
SSS	W-13-3	1016 CLEMENT ST.	8/7/19	CO	128000	23179	8	VCP	117
SSS	W-13-3	1016 CLEMENT ST.	8/7/19	284401	CO	31125	8	VCP	22
SSS	W-13-3	4300 WESTERN AVE	8/7/19	281888	11574	28457	8	VCP	6
SSS	W-13-3	4129 GAYNE AVE	8/7/19	11562	11556	13386	8	VCP	298
SSS	W-13-3	4317 UPPER MT VERNON RD	8/7/19	11574	11588	13713	12	VCP	232
SSS	W-13-3	4325 UPPER MT VERNON RD.	8/7/19	11588	100040	13716	12	VCP	112
SSS	W-13-3	4320 UPPER MOUNT VERNON RD	8/7/19	100039	11590	13714	12	VCP	188
SSS	W-13-3	4104 W COLUMBIA ST	8/7/19	11604	11597	13732	8	VCP	47
SSS	W-13-3	4104 W COLUMBIA ST	8/7/19	11596	11597	23189	8	VCP	313
SSS	W-13-1	211 NUNNING RD	8/8/19	124643	124642	13651	8	RPM	288
SSS	W-13-3	4300 UPPER MOUNT VERNON RD	8/8/19	11590	11591	13717	12	VCP	280
SSS	W-13-3	4380 UPPER MOUNT VERNON RD	8/8/19	11591	11560	15700	12	VCP	388
SSS	W-13-3	4004 W COLUMBIA	8/8/19	282928	11596	29511	8	VCP	134
SSS	W-13-3	3924 W COLUMBIA.	8/8/19	11595	282928	23188	8	VCP	111
SSS	W-13-4	1472 SANDALWOOD CT	8/8/19	CO	11368	13697	8	RPM	48
SSS	W-13-4	1472 SANDALWOOD CT	8/8/19	CO	11368	13691	8	RPM	51
SSS	W-13-4	1301 WESTWOOD HILLS DR	8/8/19	11370	11371	13792	8	RPM	146
SSS	W-13-3	4320 UPPER MT VERNON RD	8/8/19	100040	100039	13715	12	VCP	35
SSS	W-13-3	4105 UPPER MT VERNON RD.	8/8/19	11597	11598	23186	8	VCP	197
SSS	W-13-1	4915 UNIVERSITY DR	8/9/19	14792	14788	12740	8	PVC	269

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-1	4915 UNIVERSITY DR	8/9/19	14790	14792	13499	8	PVC	59
SSS	W-13-1	120 N ROSENBERGER AVE	8/9/19	14617	123845	23798	12	RCP	327
SSS	W-13-1	4595 UNIVERSITY DR	8/9/19	123845	11532	24953	12	RCP	342
SSS	W-13-1	21 N ROSENBERGER AVE	8/9/19	11532	11533	24954	15	VCP	170
SSS	W-13-1	125 N ROSENBERGER AVE	8/9/19	11534	11533	24958	15	VCP	295
SSS	W-13-1	3931 W LLOYD EXPY	8/9/19	280689	280695	26202	8	RPM	84
SSS	W-13-1	3901 W LLOYD EXPY	8/9/19	280695	280729	26214	8	RPM	262
SSS	W-13-4	1401 WESTWOOD HILLS DR	8/9/19	11368	11370	13786	8	VCP	406
SSS	W-13-3	850 N HELFRICH AVE.	8/9/19	11598	11599	23187	8	VCP	261
SSS	W-13-3	4200 UPPER MT VERNON RD.	8/10/19	11558	282924	29507	12	PVC	42
SSS	W-13-3	4380 UPPER MT VERNON RD.	8/10/19	11560	11559	15699	12	VCP	414
SSS	W-13-3	4200 UPPER MT VERNON RD.	8/10/19	11559	11558	15604	12	VCP	289
SSS	W-13-3	4112 CORT ST	8/10/19	284364	11553	13389	12	VCP	54
SSS	W-13-3	4112 CORT ST	8/10/19	11555	284364	31081	12	VCP	172
SSS	W-13-3	4112 CORT ST	8/10/19	11551	11552	13388	8	VCP	231
SSS	W-13-3	4112 CORT ST.	8/10/19	11552	11553	13387	8	VCP	228
SSS	W-13-3	4124 GAYNE AVE	8/10/19	11556	11555	13369	8	VCP	109
SSS	E-11-8	6202 EASTBOURNE DR	8/12/19	CO	12676	8549	8	RPM	112
SSS	W-13-4	5601 MELODY LN	8/12/19	11340	11344	15631	8	VCP	431
SSS	W-13-4	5601 MELODY LN	8/12/19	11344	11343	15622	8	RPM	128
SSS	E-11-8	6102 EASTBOURNE DR	8/12/19	12676	12673	8551	10	RPM	403
SSS	E-11-8	4232 MARSHFIELD DR	8/12/19	12673	12672	8560	10	RPM	282
SSS	E-11-8	4202 MARSHFIELD DR	8/12/19	12672	12718	8561	10	RPM	221
SSS	W-13-3	4301 HOUGE RD	8/12/19	284364	11554	15590	15	RPM	144
SSS	W-13-3	4301 HOUGE RD	8/12/19	11548	11537	24014	15	VCP	283
SSS	W-13-3	4301 HOUGE RD	8/12/19	11537	11536	24961	15	VCP	256
SSS	E-11-8	6217 EASTBOURNE DR	8/12/19	CO	12669	8548	8	SP	44
SSS	E-11-8	6207 EASTBOURNE DR	8/12/19	12669	12677	8547	10	PVC	35
SSS	E-11-8	6201 EASTBOURNE DR	8/12/19	12677	12675	8550	10	RPM	122
SSS	W-13-4	5601 MELODY LN	8/12/19	11343	11397	15623	8	RPM	444
SSS	E-11-8	611 EASTBOURNE DR	8/12/19	12675	12674	8552	10	RPM	402
SSS	E-11-8	3622 YANKEE DR	8/12/19	282663	282664	29218	8	PVC	71
SSS	E-11-8	6029 EASTBOURNE DR	8/12/19	12622	12674	8557	8	RPM	344
SSS	E-11-8	3700 YANKEE DR.	8/12/19	282664	282662	29219	8	PVC	176
SSS	E-11-8	6605 KINWAY DR.	8/12/19	282662	282661	29220	8	PVC	93
SSS	E-11-8	6601 KENWAY DR.	8/12/19	282661	282660	29221	8	PVC	130

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-8	6601 KENWAY DR	8/12/19	282659	282660	29222	8	PVC	362
SSS	E-11-8	6039 EASTBOURNE DR	8/12/19	12674	12673	8558	10	RPM	62
SSS	W-13-2	6024 HOGUE RD	8/13/19	14744	14366	12768	8	RPM	194
SSS	W-13-2	6120 HOGUE RD	8/13/19	AEP	14365	12769	8	RPM	49
SSS	W-13-2	6100 HOGUE RD	8/13/19	14365	14366	12770	10	PVC	304
SSS	W-13-2	6024 HOGUE RD	8/13/19	14366	14367	12771	10	PVC	144
SSS	W-13-2	411 WESTMORE DR	8/13/19	11455	11454	21540	10	RPM	168
SSS	W-13-2	315 WESTMORE DR	8/13/19	14367	11458	21543	10	RPM	331
SSS	W-13-2	6000 HOGUE RD	8/13/19	11470	14367	21544	10	RPM	144
SSS	W-13-2	5800 HOGUE RD	8/13/19	11468	11469	21545	10	RPM	288
SSS	W-13-2	411 WESTMORE DR	8/13/19	11458	11455	21547	10	RPM	380
SSS	W-13-2	6000 HOGUE RD	8/13/19	11469	11470	21548	10	RPM	331
SSS	E-11-8	6221 SHOREHAM DR	8/13/19	CO	12665	8556	8	RPM	117
SSS	E-11-8	6127 SHOREHAM DR	8/13/19	12665	12716	8823	10	RPM	403
SSS	E-11-8	6222 SHOREHAM DR	8/13/19	CO	12664	8555	8	RPM	118
SSS	E-11-8	6126 SHOREHAM DR	8/13/19	12664	12717	8822	10	RPM	402
SSS	E-11-8	6101 SHOREHAM DR	8/13/19	12716	12717	8825	8	RPM	55
SSS	E-11-8	4303 MARSHFIELD DR	8/13/19	12720	12719	8573	8	RPM	169
SSS	E-11-8	4211 MARSHFIELD DR	8/13/19	12719	12715	8572	8	RPM	208
SSS	E-11-8	6501 KINWAY DR.	8/13/19	282660	282658	29223	8	PVC	325
SSS	E-11-8	6501 KINWAY DR.	8/13/19	282657	282658	29224	8	PVC	368
SSS	E-11-8	6000 SHOREHAM DR	8/13/19	CO	12715	8559	8	RPM	45
SSS	E-11-8	6016 SHOREHAM DR	8/14/19	12715	12718	8571	10	RPM	242
SSS	E-11-8	4234 MARSHFIELD DR	8/14/19	12717	12718	8824	10	RPM	153
SSS	E-11-8	4124 MARSHFIELD DR	8/14/19	12718	12670	8562	10	RPM	231
SSS	E-11-8	4050 MARSHFIELD DR	8/14/19	12670	12671	8734	10	RPM	281
SSS	E-11-8	4040 MARSHFIELD DR	8/14/19	AEP	12671	8394	8	RPM	130
SSS	E-11-8	6020 LONG POND WAY	8/14/19	12671	12679	8735	10	RPM	107
SSS	E-11-8	6010 LONG POND WAY	8/14/19	12679	12722	8784	10	RPM	123
SSS	E-11-8	5924 LONG POND WAY	8/14/19	12722	12723	8783	10	RPM	330
SSS	E-11-8	5800 PORTERFIELD DR	8/15/19	82189	82188	14210	8	RPM	114
SSS	E-11-8	5818 PORTERFIELD DR	8/15/19	82188	82187	14211	8	RPM	232
SSS	E-11-8	5900 PORTERFIELD DR	8/15/19	82187	82186	14212	8	RPM	312
SSS	E-11-8	6016 PORTERFIELD	8/15/19	82186	82185	14213	8	RPM	376
SSS	E-11-8	4550 RIMRIDGE DR	8/15/19	16358	16357	8577	8	RPM	68
SSS	E-11-8	4530 RIMRIDGE DR	8/15/19	16357	16356	8576	8	RPM	252

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-8	4508 RIMRIDGE DR	8/15/19	16356	16355	8575	8	RPM	155
SSS	E-11-8	4334 RIMRIDGE DR	8/15/19	16355	16354	8574	8	RPM	102
SSS	E-11-8	6419 KINWAY DR.	8/15/19	282658	282655	29225	8	PVC	248
SSS	W-13-2	535 WINSTEAD WAY	8/16/19	14596	14597	12727	8	PVC	262
SSS	W-13-2	607 WINSTEAD WAY	8/16/19	14597	14598	12728	8	PVC	200
SSS	W-13-2	637 WINSTEAD WAY	8/16/19	14598	14599	12729	8	PVC	294
SSS	W-13-1	100 S ROSENBERGER AVE	8/16/19	11539	11540	24951	15	VCP	179
SSS	W-13-1	21 N ROSENBERGER AVE	8/16/19	11533	11539	24952	15	VCP	309
SSS	W-13-2	4640 LAMB LN	8/16/19	CO	282706	29289	8	RPM	128
SSS	W-13-2	4640 LAMB LN	8/16/19	282762	14596	29290	8	RPM	97
SSS	E-11-8	5940 DELK DR	8/16/19	82180	82179	14220	8	RPM	333
SSS	E-11-8	6132 DELK DR	8/16/19	82178	82177	14222	8	RPM	273
SSS	E-11-8	6220 DELK DR	8/16/19	283110	12677	14223	8	RPM	59
SSS	E-11-8	4434 Langley CT	8/16/19	82177	82176	14224	8	RPM	292
SSS	E-11-8	4514 Langley CT	8/16/19	82175	82176	14225	8	RPM	189
SSS	E-11-8	4550 Langley CT	8/16/19	82175	82193	14226	8	RPM	210
SSS	E-11-8	6102 DELK DR	8/16/19	82179	82178	14221	8	RPM	288
SSS	W-13-1	100 S ROSENBERGER AVE	8/17/19	11540	11541	24950	15	RCP	198
SSS	E-11-8	5625 HIGHTOWER DR	8/19/19	82210	82209	14239	8	RPM	320
SSS	E-11-8	46436 OVERLOOK CIRC	8/19/19	82209	82208	14240	8	RPM	171
SSS	E-11-8	4610 OVERLOOK CIRC	8/19/19	82208	82207	14241	8	RPM	165
SSS	E-11-8	4601 OVERLOOK CIRC	8/19/19	82211	82207	14245	8	RPM	90
SSS	E-11-8	4600 OVERLOOK CIRC	8/19/19	82207	82206	14242	8	RPM	106
SSS	E-11-8	4604 OVERLOOK CIRC	8/19/19	82206	82205	14243	8	RPM	58
SSS	E-11-8	5649 QUAKERBRIDGE DR	8/19/19	82205	16360	14244	8	RPM	150
SSS	E-11-8	5721 QUAKERBRIDGE DR	8/19/19	16359	16360	8578	8	RPM	244
SSS	E-11-8	5637 QUAKERBRIDGE DR	8/19/19	16360	16361	8579	8	RPM	167
SSS	E-11-8	6401 KINWAY DR.	8/19/19	282656	282654	29227	8	PVC	401
SSS	E-11-8	6401 KINWAY DR	8/19/19	282655	282654	29226	8	PVC	97
SSS	E-11-8	5615 QUAKERBRIDGE DR	8/19/19	16361	16362	8485	8	RPM	68
SSS	E-11-8	5620 DRAKEWICK DR	8/19/19	16362	16363	8486	8	RPM	62
SSS	W-13-1	103 S RED BANK RD	8/20/19	14347	14346	14785	10	RPM	145
SSS	W-13-1	103 S RED BANK RD	8/20/19	14353	14347	14786	10	RPM	186
SSS	E-11-8	5630 DRAKEWICK DR	8/20/19	16363	16364	8487	8	RPM	152
SSS	W-8-2	2924 N FOURTH AVE	8/20/19	9050	9044	11853	8	VCP	218
SSS	E-11-8	5700 DRAKEWICK DR	8/20/19	16364	16365	8488	8	RPM	147

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-8	5740 DRAKEWICK DR	8/20/19	16365	16366	8580	8	RPM	173
SSS	E-11-8	4423 DRAKEWICK DR	8/20/19	16366	16354	8581	8	RPM	238
SSS	W-13-4	5601 MELODY LN	8/20/19	11397	283529	15624	10	RPM	367
SSS	W-13-4	5601 TUPMAN	8/20/19	11397	283529	30064	10	RPM	149
SSS	W-13-4	5601 MELODY LN	8/20/19	11396	11395	15625	10	RPM	395
SSS	W-13-4	5601 MELODY LN	8/20/19	11395	11394	15626	10	RPM	412
SSS	W-13-4	5601 MELODY LN	8/20/19	11394	11393	15627	10	RPM	199
SSS	W-13-4	5601 MELODY LN	8/20/19	11393	11392	15629	10	RPM	314
SSS	W-13-4	5601 MATTINGLY CT	8/20/19	11392	11391	15630	10	RPM	303
SSS	W-13-4	5403 MATTINGLY CT	8/20/19	11391	284358	31073	10	RPM	292
SSS	W-13-4	5403 MATTINGLY CT	8/20/19	11390	11388	15619	12	RPM	242
SSS	W-13-4	1302 TUPMAN RD	8/20/19	11388	11387	15618	12	RPM	330
SSS	W-13-4	1302 TUPMAN RD	8/20/19	11387	11386	15632	12	RPM	86
SSS	E-11-8	4400 RIMRIDGE DR	8/20/19	16354	12713	8484	10	RPM	252
SSS	E-11-8	4239 SAYBROOK DR.	8/20/19	284365	12667	12147	8	RPM	242
SSS	E-11-8	4239 SAYBROOK DR.	8/20/19	CO	12667	12146	8	RPM	54
SSS	E-11-8	4322 RIMRIDGE DR	8/20/19	12713	12668	8554	10	PVC	277
SSS	E-11-8	4310 RIMRIDGE DR	8/20/19	12667	12668	12148	8	RPM	154
SSS	E-11-8	3434 HECKEL RD	8/20/19	284085	283452	30700	8	PVC	60
SSS	E-11-8	5900 SHOREHAM DR	8/21/19	12721	12714	8567	8	RPM	230
SSS	E-11-8	5816 SHOREHAM DR	8/21/19	12714	12712	8570	8	RPM	101
SSS	E-11-8	4301 RIMRIDGE DR	8/21/19	12668	12712	8553	10	RPM	152
SSS	W-13-3	1414 TERRACE AVE	8/21/19	AEP	127994	31064	8	VCP	41
SSS	E-11-8	5802 SHOREHAM DR	8/21/19	12712	12711	8569	10	RPM	255
SSS	E-11-8	5930 WINNETT DR	8/21/19	12680	12707	8568	10	RPM	210
SSS	W-13-4	5100 UPPER MT VERNON RD.	8/21/19	11382	138038	15634	12	RPM	49
SSS	W-13-4	5101 UPPER MT VERNON RD.	8/21/19	11381	11382	15617	12	RPM	60
SSS	E-11-8	3436 HECKEL RD	8/21/19	283452	283453	30000	8	PVC	246
SSS	E-11-8	3615 EBBETS DR	8/21/19	283453	282651	30001	8	PVC	96
SSS	E-11-8	5850 WINNETT DR	8/22/19	12707	12710	8563	8	RPM	374
SSS	E-11-8	5820 WINNETT DR	8/22/19	12710	12708	8566	10	RPM	211
SSS	W-13-3	125 N ROSENBERGER RD	8/22/19	11535	11534	24959	15	VCP	272
SSS	W-13-3	4301 HOUGE RD	8/22/19	11536	11535	24960	15	VCP	34
SSS	E-11-8	5747 WINNETT DR	8/23/19	12711	12712	8565	10	RPM	312
SSS	E-11-8	HECKEL RD	8/23/19	282651	282652	29230	8	PVC	402
SSS	E-11-8	6333 KINWAY DR	8/23/19	282654	282653	29228	8	PVC	179

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-1	4909 SUNNYSIDE CT	8/24/19	14793	14787	12734	8	PVC	315
SSS	W-13-1	4829 4865 LLOYD EXPY	8/24/19	14788	14793	12741	8	PVC	220
SSS	W-9-4	2400 N SAINT JOSEPH AVE	8/24/19	4745	169868	13583	12	RPM	341
SSS	W-13-1	4829 4865 LLOYD EXPY	8/24/19	14787	14614	23797	12	RCP	312
SSS	W-13-1	N RED BANK RD	8/24/19	14786	14787	23802	12	VCP	335
SSS	W-13-2	313 N BOEHNE CAMP RD	8/26/19	11471	11472	22279	8	VCP	318
SSS	W-13-2	511 N BOEHNE CAMP RD	8/26/19	11473	11474	22280	8	VCP	147
SSS	W-13-2	511 N BOEHNE CAMP RD	8/26/19	11474	11475	22281	8	VCP	156
SSS	W-13-2	625 N BOEHNE CAMP RD	8/26/19	11475	11476	22282	8	VCP	187
SSS	W-13-2	501 N BOEHNE CAMP RD	8/26/19	11472	11473	22283	8	VCP	194
SSS	W-13-2	715 N BOEHNE CAMP RD	8/26/19	11476	283923	22284	8	VCP	541
SSS	W-13-2	815 N BOEHNE CAMP RD	8/26/19	283923	11477	30489	8	VCP	160
SSS	E-11-7	5909 E SCHMITT LN.	8/26/19	281906	281905	28481	8	RPM	199
SSS	E-11-7	3247 COBBLE FIELD DR.	8/26/19	281905	12641	28480	8	RPM	183
SSS	W-13-2	851 N RED BANK RD	8/27/19	11494	11402	13699	8	VCP	281
SSS	W-13-2	851 N RED BANK RD	8/27/19	11495	11494	13712	8	VCP	216
SSS	W-13-2	850 N RED BANK RD	8/27/19	11491	138991	15667	12	VCP	85
SSS	W-13-2	851 N RED BANK RD	8/27/19	11496	11495	21810	8	VCP	269
SSS	W-13-2	711 N RED BANK RD	8/27/19	11497	11496	21811	8	VCP	154
SSS	W-13-2	898 N RED BANK RD	8/27/19	11490	11491	22935	12	VCP	431
SSS	W-13-2	850 N RED BANK RD	8/27/19	138991	11493	22936	12	VCP	242
SSS	W-13-2	850 N RED BANK RD	8/27/19	11493	11402	24022	12	VCP	366
SSS	W-9-4	1277 N SAINT JOSEPH AVE	8/27/19	282324	282323	28900	8	PVC	35
SSS	E-11-8	6333 KINWAY DR	8/27/19	282653	282763	29229	8	PVC	122
SSS	E-11-8	6323 KINWAY DR	8/27/19	282652	282653	29231	8	PVC	132
SSS	W-13-4	1212 TUPMAN RD.	8/27/19	280705	11384	31067	10	RPM	107
SSS	W-13-4	1200 TUPMAN RD.	8/27/19	11384	280704	31068	10	RPM	140
SSS	W-13-2	851 N RED BANK RD	8/28/19	14603	14604	12732	8	RPM	226
SSS	W-13-2	617 N RED BANK RD	8/28/19	11501	11499	13655	8	VCP	196
SSS	W-13-2	851 N RED BANK RD	8/28/19	14604	14606	13710	8	RPM	396
SSS	W-13-2	851 N RED BANK RD	8/28/19	11402	14606	24018	12	VCP	426
SSS	W-13-2	851 N RED BANK RD	8/28/19	14606	14600	24019	12	VCP	372
SSS	W-13-2	851 N RED BANK RD	8/28/19	14600	11544	24021	12	VCP	434
SSS	W-13-3	1113 N WERNER AVE	8/28/19	11416	11434	13728	8	VCP	479
SSS	W-13-2	525 N RED BANK RD	8/29/19	123854	11500	13653	8	VCP	28
SSS	W-13-2	N RED BANK RD	8/29/19	11499	11498	13654	8	VCP	242

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-2	581 N RED BANK RD, 47712	8/29/19	11500	11498	13656	8	VCP	310
SSS	W-13-2	619 N RED BANK RD	8/29/19	11498	11497	13803	8	VCP	422
SSS	W-13-2	711 N RED BANK RD	8/29/19	AEP	11497	13804	8	VCP	36
SSS	E-11-8	4115 PEMBROKE DR	8/29/19	12708	12709	8564	10	RPM	283
SSS	E-11-8	5828 LONG POND WAY	8/30/19	12723	12663	8732	10	PVC	212
SSS	E-11-8	5750 LONG POND WAY	8/30/19	12709	12724	8736	10	RPM	135
SSS	E-11-8	5808 LONG POND WAY	8/30/19	12724	12663	8733	10	RPM	128
SSS	E-11-8	5808 COBBLE FIELD DR.	8/31/19	12663	12628	8785	10	RPM	187
SSS	E-11-7	3839 COBBLE FIELD DR.	8/31/19	12628	82365	11663	10	RPM	215
SSS	E-11-7	6200 PEBBLE STONE DR	9/3/19	12700	12698	8842	8	RPM	269
SSS	E-11-7	6120 PEBBLE STONE DR	9/3/19	CO	283102	29695	8	RPM	134
SSS	E-11-7	6110 PEBBLE STONE DR	9/3/19	CO	283102	29694	8	RPM	82
SSS	E-11-7	6120 PEBBLE STONE DR	9/3/19	283102	12698	8846	8	RPM	54
SSS	W-13-1	4595 UNIVERSITY DR	9/4/19	14615	14616	23243	12	RCP	329
SSS	W-13-1	4595 UNIVERSITY DR	9/4/19	14616	14617	23244	12	RCP	289
SSS	E-11-8	3432 HECKEL RD	9/4/19	283451	283452	29999	8	PVC	114
SSS	E-11-7	3702 SANDSTONE CT	9/4/19	12702	12701	8844	8	RPM	238
SSS	E-11-7	3742 SANDSTONE CT	9/4/19	12703	12701	8845	8	RPM	204
SSS	E-11-7	6225 FLAGSTONE DR	9/4/19	12685	12706	8852	10	RPM	167
SSS	E-11-7	6201 FLAGSTONE DR	9/4/19	12706	12705	8851	10	RPM	94
SSS	E-11-7	6121 FLAGSTONE DR	9/4/19	12705	12695	8850	10	RPM	277
SSS	E-11-8	6800 N GREENRIVER RD	9/4/19	281197	281198	26896	8	RPM	263
SSS	E-11-8	6800 N GREENRIVER RD	9/4/19	281197	281196	26895	8	RPM	149
SSS	E-11-7	3600 SCHMITT LANE	9/4/19	84113	12704	8397	8	RPM	261
SSS	W-13-4	1300 TUPMAN RD	9/4/19	11386	280705	15633	10	RPM	206
SSS	W-13-4	5119 UPPER MT VERNON RD	9/4/19	280704	11381	15621	10	RPM	180
SSS	E-11-7	5918 GRINELL DR	9/4/19	12704	12690	8775	8	RPM	142
SSS	W-13-2	636 WINSTEAD WAY	9/5/19	14601	14602	12730	8	PVC	389
SSS	W-13-2	716 WINSTEAD WAY	9/5/19	14602	14603	12731	8	PVC	280
SSS	W-13-2	510 WINSTEAD WAY	9/5/19	123855	14601	12739	8	PVC	147
SSS	E-11-7	5930 FLEMMING DR	9/5/19	12690	12687	8774	8	RPM	131
SSS	E-11-7	5950 FLEMMING DR	9/5/19	CO	12687	8773	8	RPM	103
SSS	W-13-2	4740 UPPER MOUNT VERNON RD	9/6/19	14605	14606	13705	8	RPM	144
SSS	W-13-2	4740 UPPER MOUNT VERNON RD	9/6/19	14607	14605	13706	8	RPM	152
SSS	W-13-2	4740 UPPER MOUNT VERNON RD	9/6/19	14608	14607	13707	8	RPM	271
SSS	W-13-2	4804 UPPER MOUNT VERNON RD	9/6/19	14609	14607	13708	8	RPM	256

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-2	4920 UPPER MOUNT VERNON RD	9/6/19	282635	282636	29200	8	RPM	324
SSS	W-13-2	4838 UPPER MOUNT VERNON RD	9/6/19	282636	14609	29201	8	RPM	97
SSS	E-11-7	6101 FLAGSTONE DR	9/6/19	12605	12694	8848	10	RPM	90
SSS	E-11-7	6401 FLAGSTONE DR	9/6/19	12694	12689	8847	10	RPM	139
SSS	E-11-8	6126 PORTERFIELD DR.	9/6/19	82190	82191	14215	8	RPM	99
SSS	E-11-7	3700 BRAYDEN DR	9/6/19	12693	12692	8838	8	RPM	302
SSS	E-11-8	4720 LEGACY RUN	9/6/19	82191	82192	14281	8	RPM	120
SSS	E-11-7	3748 BRAYDEN DR	9/6/19	12692	12689	8839	8	RPM	295
SSS	E-11-8	4722 LEGACY RUN	9/6/19	82192	82195	14282	8	RPM	99
SSS	W-13-1	100 S ROSENBERGER AVE	9/7/19	11543	11212	24945	15	RCP	140
SSS	W-13-1	100 S ROSENBERGER AVE	9/7/19	11542	11543	24946	15	RCP	35
SSS	W-13-1	100 S ROSENBERGER AVE	9/7/19	11541	11542	24949	15	RCP	194
SSS	W-13-1	3931 W LLOYD EXPY	9/7/19	284359	170840	26216	8	RPM	145
SSS	W-13-1	3931 W LLOYD EXPY	9/7/19	280729	284359	31074	8	RPM	98
SSS	E-11-8	4515 SAYBROOK DR	9/7/19	82181	82182	14216	8	RPM	387
SSS	E-11-8	4725 OLD TYME CT	9/7/19	82184	82185	14219	8	RPM	364
SSS	E-11-8	6800 N GREENRIVER RD	9/7/19	281196	281195	26894	8	RPM	297
SSS	E-11-8	6800 N GREENRIVER RD	9/7/19	281200	281199	26893	8	RPM	251
SSS	E-11-8	6800 N GREENRIVER RD	9/7/19	281199	281195	26892	8	RPM	383
SSS	E-11-8	5621 N. GREEN RIVER RD.	9/9/19	281684	279449	28189	8	PVC	131
SSS	E-11-8	5799 N. GREEN RIVER RD.	9/9/19	279449	281682	24705	8	PVC	386
SSS	W-13-4	5403 UPPER MOUNT VERNON RD	9/9/19	284358	11390	15628	10	RPM	131
SSS	E-11-8	5799 N. GREEN RIVER RD.	9/9/19	281682	279450	28188	8	PVC	71
SSS	E-11-8	4800 IRENE AVE.	9/9/19	279450	279451	24706	8	PVC	43
SSS	E-11-8	4800 IRENE AVE.	9/9/19	281681	279451	28187	8	PVC	90
SSS	E-11-8	6001 N. GREEN RIVER RD.	9/9/19	279451	279452	24707	8	PVC	343
SSS	E-11-8	6800 N GREENRIVER RD	9/9/19	281195	281194	26891	8	RPM	340
SSS	E-11-8	6610 VIETH LN	9/9/19	281194	281193	26890	8	RPM	416
SSS	E-11-8	6536 VIETH LN	9/9/19	281193	281192	26889	8	RPM	286
SSS	E-11-8	6233 BOSTON WAY, 47711	9/9/19	82204	82203	14228	8	RPM	357
SSS	E-11-8	4901 HECKEL RD.	9/10/19	283092	283091	29683	8	PVC	89
SSS	E-11-8	4901 HECKEL RD.	9/10/19	283093	283091	29682	8	PVC	90
SSS	E-11-8	6211 N. GREEN RIVER RD.	9/10/19	293091	283090	29684	8	PVC	240
SSS	E-11-8	6211 N. GREEN RIVER RD.	9/10/19	283090	283089	29685	8	PVC	43
SSS	E-11-8	6211 N. GREEN RIVER RD.	9/10/19	283089	279455	29686	8	PVC	27
SSS	E-11-8	6009 N. GREEN RIVER RD.	9/10/19	279452	279453	24708	8	PVC	301

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-8	6201 N. GREEN RIVER RD.	9/10/19	279453	279454	24709	8	PVC	377
SSS	E-11-8	6211 N. GREEN RIVER RD.	9/10/19	279454	279455	24710	8	PVC	227
SSS	E-11-8	6233 BOSTON WAY	9/10/19	279455	82203	24743	8	PVC	96
SSS	E-11-8	4816 OLD TYME CT.	9/10/19	82203	82202	14229	8	RPM	52
SSS	E-11-8	6416 VIETH LN	9/10/19	281192	281191	26888	8	RPM	402
SSS	E-11-8	4740 OLD TYME CT.	9/10/19	82202	82201	14230	8	RPM	299
SSS	E-11-8	6316 VIETH LN	9/10/19	281191	291190	26887	8	RPM	393
SSS	W-13-1	W LLOYD EXPY	9/11/19	11212	11211	24944	15	RCP	285
SSS	W-13-1	3931 W LLOYD EXPY	9/11/19	170840	170839	24947	8	RPM	95
SSS	W-13-1	41 LLOYD EXPY	9/11/19	170839	11212	24948	8	PVC	36
SSS	E-11-8	4910 HECKEL RD.	9/11/19	AEP	283093	29681	8	PVC	6
SSS	E-11-8	4909 HECKEL RD.	9/11/19	AEP	283092	29680	8	PVC	4
SSS	E-11-8	6316 VIETH LN.	9/11/19	281190	281189	26886	10	RPM	49
SSS	E-11-8	6316 VIETH LN.	9/11/19	281189	283592	30116	10	RPM	8
SSS	E-11-8	4546 HECKEL RD.	9/11/19	82194	82193	14232	8	PVC	53
SSS	E-11-8	4724 OLD TYME CT.	9/11/19	82201	82194	14231	8	RPM	119
SSS	E-11-8	4724 OLD TYME CT.	9/11/19	283592	82194	26885	10	RPM	107
SSS	E-11-8	4725 OLD TYME CT.	9/11/19	82200	82195	14238	8	RPM	287
SSS	E-11-8	4724 OLD TYME CT.	9/11/19	82195	82193	28532	8	RPM	220
SSS	E-11-8	4546 HECKEL RD.	9/11/19	82193	AWW	14227	8	RPM	9
SSS	E-11-7	2833 IVY MEADOW DR,	9/11/19	83332	83333	8472	8	PVC	241
SSS	E-11-7	2919 IVY MEADOW DR.	9/11/19	83334	83335	8473	8	RPM	244
SSS	E-11-7	6001 FLAGSTONE DR	9/11/19	12689	12688	8776	10	RPM	314
SSS	E-11-7	2919 IVY MEADOW DR.	9/11/19	83333	83335	8476	8	RPM	282
SSS	W-13-2	815 N BOEHNE CAMP RD	9/12/19	11484	11485	13682	10	VCP	269
SSS	W-13-2	815 N BOEHNE CAMP RD	9/12/19	11486	11485	13683	10	VCP	284
SSS	W-13-2	800 N BOEHNE CAMP RD	9/12/19	133658	133651	13799	8	VCP	90
SSS	W-13-2	800 N BOEHNE CAMP RD	9/12/19	133659	283827	13800	8	VCP	69
SSS	W-13-2	815 N BOEHNE CAMP RD	9/12/19	11482	11483	14169	10	VCP	265
SSS	W-13-2	815 N BOEHNE CAMP RD	9/12/19	11483	11484	14171	10	VCP	345
SSS	W-13-2	800 N BOEHNE CAMP RD	9/12/19	283837	133658	22278	8	VCP	116
SSS	E-11-7	5939 FLAGSTONE DR	9/12/19	12688	12686	8777	10	RPM	146
SSS	E-11-7	3701 BRAYDEN DR	9/12/19	12687	12691	8770	8	RPM	313
SSS	E-11-7	3542 COBBLE FIELD DR.	9/12/19	12654	12653	8780	8	RPM	179
SSS	E-11-7	3743 BRAYDEN DR	9/12/19	12691	12688	8771	8	RPM	289
SSS	E-11-7	3430 COBBLE FIELD DR.	9/12/19	12653	12639	8758	8	RPM	331

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-7	5909 FLAGSTONE DR	9/12/19	12686	12627	8772	10	RPM	183
SSS	E-11-7	3324 COBBLE FIELD DR.	9/12/19	12639	12640	8781	8	RPM	339
SSS	E-11-7	3732 PEBBLE PLACE DR.	9/12/19	12698	12697	8840	8	RPM	374
SSS	E-11-7	3732 PEBBLE PLACE DR.	9/12/19	12701	12697	8843	8	RPM	197
SSS	E-11-7	3800 PEBBLE PLACE DR.	9/12/19	12697	12696	8841	8	RPM	220
SSS	W-13-2	815 N BOEHNE CAMP RD	9/13/19	11478	11479	11975	10	VCP	36
SSS	W-13-2	815 N BOEHNE CAMP RD	9/13/19	11479	11480	14164	10	VCP	310
SSS	W-13-2	815 N BOEHNE CAMP RD	9/13/19	11480	11481	14168	10	VCP	203
SSS	W-13-2	815 N BOEHNE CAMP RD	9/13/19	11481	11482	14170	10	VCP	129
SSS	E-11-7	3250 COBBLE FIELD DR.	9/13/19	12640	12641	8755	8	RPM	290
SSS	E-11-7	3238 COBBLE FIELD DR.	9/13/19	12641	12642	8745	8	RPM	86
SSS	E-11-7	3223 KEYSTONE HILLS DR.	9/13/19	12642	12643	8746	8	RPM	261
SSS	E-11-7	3233 KEYSTONE HILLS DR.	9/13/19	12643	12644	8749	8	RPM	58
SSS	E-11-7	5723 SAND RIDGE DR.	9/13/19	12650	12649	8748	8	RPM	135
SSS	E-11-7	3415 KEYSTONE HILLS DR.	9/13/19	12649	12648	8747	8	PVC	148
SSS	E-11-7	6111 FLAGSTONE DR.	9/14/19	12696	12695	8849	8	RPM	191
SSS	E-11-7	3015 IVY MEADOW DR.	9/14/19	83336	83337	8474	8	RPM	246
SSS	E-11-7	3015 IVY MEADOW DR.	9/14/19	83335	83337	8477	8	RPM	283
SSS	W-13-2	815 N BOEHNE CAMP RD	9/16/19	11485	11487	13684	10	VCP	289
SSS	W-13-2	815 N BOEHNE CAMP RD	9/16/19	133661	11478	14179	8	VCP	199
SSS	W-13-2	UPPER MT VERNON RD	9/16/19	11488	11489	22937	10	VCP	403
SSS	W-13-2	815 N BOEHNE CAMP RD	9/16/19	11487	11488	22938	10	VCP	355
SSS	W-13-2	898 N RED BANK RD	9/16/19	11489	11490	24017	10	VCP	389
SSS	E-11-7	5716 LEDGESTONE DR	9/16/19	12652	12651	8756	8	PVC	257
SSS	E-11-7	3434 KEYSTONE HILLS DR	9/16/19	12651	12659	8757	8	RPM	124
SSS	E-11-7	3433 KEYSTONE DR	9/16/19	12658	12659	8762	10	PVC	204
SSS	E-11-7	3511 KEYSTONE HILLS DR	9/16/19	12657	12658	8759	10	RPM	198
SSS	E-11-7	3545 KEYSTONE HILLS DR	9/16/19	12631	12657	8741	10	RPM	208
SSS	E-11-7	5601 OAK HILL RD.	9/16/19	12581	12572	8685	8	RPM	77
SSS	E-11-7	3611 KEYSTONE HILLS DR	9/16/19	12632	12631	8742	10	RPM	188
SSS	E-11-7	3633 KEYSTONE HILLS DR	9/16/19	12633	12632	8765	10	PVC	178
SSS	E-11-7	5500 OAK HILL RD.	9/16/19	12582	12581	8687	8	RPM	274
SSS	E-11-7	3100 ST GEORGE RD.	9/16/19	12583	12582	8683	8	RPM	272
SSS	E-11-7	5535 FLAGSTONE DR	9/16/19	12634	12633	8744	10	RPM	167
SSS	E-11-7	5625 CREEKSTONE DR	9/16/19	CO	12636	8768	8	RPM	93
SSS	E-11-7	5601 CREEKSTONE DR	9/16/19	12636	12634	8767	8	RPM	237

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-7	5545 FLAGSTONE DR	9/16/19	12635	12634	8743	10	RPM	151
SSS	E-11-7	3615 FLAGSTONE DR	9/16/19	12629	12635	8766	10	RPM	347
SSS	E-11-7	3701 ROLLING ROCK DR	9/16/19	CO	12600	28490	8	RPM	61
SSS	E-11-7	3733 ROLLING ROCK DR	9/16/19	12630	12629	8737	8	RPM	381
SSS	E-11-7	5717 FLAGSTONE DR	9/16/19	12681	12629	8763	10	RPM	178
SSS	E-11-7	3701 COBBLE FIELD DR	9/16/19	12683	12682	8740	8	RPM	164
SSS	E-11-7	3809 FLAGSTONE DR	9/16/19	12682	12681	8769	8	RPM	309
SSS	E-11-7	3809 COBBLE FIELD DR	9/16/19	12638	12681	8738	10	RPM	137
SSS	E-11-7	3809 COBBLE FIELD DR.	9/16/19	82365	12638	11662	10	RPM	399
SSS	E-11-7	3701 GRINELL DR	9/16/19	12661	12660	8778	8	RPM	259
SSS	E-11-7	5727 LEDGESTONE DR.	9/16/19	CO	12655	8760	8	RPM	111
SSS	E-11-7	5645 LEDGE STONE DR.	9/16/19	12655	12656	8761	8	PVC	329
SSS	E-11-7	5645 LEDGE STONE DR.	9/16/19	12637	12656	8782	8	RPM	239
SSS	E-11-7	3747 GRINELL DR	9/16/19	12660	12627	8779	8	RPM	220
SSS	E-11-7	3808 COBBLE FIELD DR	9/16/19	12627	12638	8739	10	RPM	196
SSS	E-11-7	3025 IVY MEADOW DR.	9/16/19	83337	281952	8478	8	RPM	76
SSS	E-11-7	3041 IVY MEADOW DR	9/16/19	281952	83338	28535	8	RPM	102
SSS	E-11-7	3041 IVY MEADOW DR	9/16/19	83340	83338	8479	8	RPM	285
SSS	E-11-7	3546 KEYSTONE HILLS DR.	9/16/19	12656	12657	8764	8	RPM	246
SSS	E-11-7	3401 KEYSTONE HILLS DR.	9/16/19	12648	12647	8753	10	PVC	123
SSS	E-11-7	2913 RODE RD	9/16/19	12580	12579	8471	8	RPM	268
SSS	E-11-7	3415 KEYSTONE HILLS DR.	9/16/19	12659	12648	8754	10	PVC	184
SSS	E-11-7	3005 RODE RD	9/16/19	12579	12578	8470	8	RPM	305
SSS	E-11-7	3329 KEYSTONE HILLS DR.	9/16/19	12647	12646	8752	10	PVC	100
SSS	E-11-7	3105 RODE RD	9/16/19	12578	83339	8469	8	RPM	177
SSS	E-11-7	3105 RODE RD.	9/16/19	83338	83339	8475	8	RPM	386
SSS	E-11-8	4542 SAYBROOK DR	9/16/19	82183	82184	14218	8	RPM	118
SSS	E-11-7	3303 KEYSTONE HIKLS DRIVE	9/16/19	12646	12645	8751	10	PVC	282
SSS	E-11-8	6126 PORTERFIELD DR	9/16/19	82199	82190	14233	8	RPM	179
SSS	E-11-7	5206 OAKHILL RD	9/16/19	83339	12576	8704	8	RPM	132
SSS	E-11-7	5206 OAK HILL RD.	9/16/19	12577	12576	8702	8	RPM	255
SSS	E-11-7	5206 OAKHILL RD	9/16/19	12576	12575	8701	8	RPM	115
SSS	E-11-7	5206 OAKHILL RD	9/16/19	12575	12574	8700	8	RPM	166
SSS	E-11-8	6126 PORTERFIELD DR	9/16/19	82185	82190	14214	8	RPM	239
SSS	E-11-7	3243 KEYSTONE HILLS DR	9/16/19	12645	12644	8750	10	PVC	62
SSS	E-11-7	5720 OAK HILL RD.	9/17/19	281960	281959	28545	8	RPM	49

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-7	5600 OAK HILL RD.	9/17/19	281959	281958	28546	8	RPM	402
SSS	W-13-3	4028 UPPER MOUNT VERNON RD	9/17/19	11578	11579	13381	8	VCP	162
SSS	W-13-2	4636 HOGUE RD	9/18/19	11545	11546	24013	15	VCP	389
SSS	W-13-2	4301 HOGUE RD	9/18/19	100042	11548	24015	15	VCP	411
SSS	W-13-2	4636 HOGUE RD	9/18/19	11546	100042	24016	15	VCP	389
SSS	W-13-2	4641 LAMB LN	9/18/19	11544	11545	24020	15	VCP	390
SSS	E-11-7	5601 OAK HILL RD.	9/18/19	281958	281961	28548	8	RPM	88
SSS	E-11-7	5601 OAK HILL RD.	9/18/19	12644	84114	8395	10	RPM	238
SSS	E-11-8	4540 SAYBROOK DR	9/18/19	82182	82183	14217	8	RPM	355
SSS	W-13-2	800 N BOEHNE CAMP RD	9/19/19	133660	133659	13801	8	VCP	27
SSS	W-13-2	411 WESTMORE DR	9/19/19	11454	11457	21541	10	RPM	431
SSS	W-13-2	410 WESTMORE DR	9/19/19	11457	123637	21542	10	RPM	189
SSS	W-13-2	700 N BOEHNE CAMP RD	9/19/19	11456	11465	21546	10	RPM	251
SSS	W-13-2	700 N BOEHNE CAMP RD	9/19/19	11465	11466	21549	10	RPM	291
SSS	W-13-2	700 N BOEHNE CAMP RD	9/19/19	123637	11456	21550	10	RPM	39
SSS	E-11-7	2808 RODE RD	9/19/19	282630	12565	29184	8	RPM	96
SSS	E-11-7	2908 RODE RD	9/19/19	12565	12566	8467	8	RPM	212
SSS	E-11-7	3020 RODE RD	9/19/19	12566	12567	8468	8	RPM	400
SSS	E-11-7	5400 OAKHILL RD.	9/19/19	12567	12568	8697	8	RPM	325
SSS	E-11-7	5400 OAKHILL RD.	9/19/19	12574	12568	8699	8	RPM	272
SSS	E-11-7	5408 OAKHILL RD.	9/19/19	12568	12569	8698	8	RPM	144
SSS	E-11-7	5400 OAK HILL RD	9/20/19	12569	12570	8396	8	RPM	177
SSS	E-11-7	5301 OAK HILL RD	9/20/19	12570	12571	8677	8	RPM	83
SSS	E-11-7	3302 BEXLEY CT	9/20/19	CO	83331	8717	8	RPM	122
SSS	E-11-7	3304 BEXLEY	9/20/19	83331	83330	8718	8	PVC	116
SSS	E-11-7	3306 BEXLEY CT	9/20/19	83330	83329	8719	8	RPM	89
SSS	E-11-7	3301 BEXLEY CT.	9/21/19	CO	12596	8696	8	RPM	115
SSS	E-11-7	3301 BEXLEY CT.	9/21/19	12596	12595	8466	8	PVC	211
SSS	E-11-7	3401 BEXLEY CT.	9/21/19	12595	12594	8465	8	RPM	338
SSS	E-11-7	3513 BEXLEY CT.	9/21/19	12594	12593	8464	8	RPM	405
SSS	E-11-7	3525 BEXLEYCT.	9/21/19	12593	12592	8716	8	RPM	402
SSS	E-11-7	3520 BEXLEY CT.	9/21/19	12592	12591	8715	8	RPM	286
SSS	E-11-7	3514 BEXLEY CT.	9/21/19	12591	12590	8714	8	RPM	294
SSS	E-11-7	3506 BEXLEY CT.	9/21/19	12590	12589	8463	8	RPM	190
SSS	E-11-7	3406 BEXLEY CT.	9/21/19	12589	12588	8462	8	RPM	299
SSS	W-13-2	851 N RED BANK RD	9/23/19	14599	14600	13711	8	RPM	369

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-2	5100 UPPER MT VERNON RD	9/23/19	138039	11383	15635	12	RPM	186
SSS	W-13-2	5100 UPPER MT VERNON RD	9/23/19	138038	138039	15636	12	RPM	12
SSS	W-13-2	5020 UPPER MT VERNON RD	9/23/19	11383	138991	15666	12	RPM	272
SSS	E-11-7	5313 OAKHILL RD	9/23/19	83329	12586	14283	8	RPM	142
SSS	E-11-7	3406 BEXLEY CT	9/23/19	12588	12587	8713	8	RPM	275
SSS	E-11-7	5313 OAKHILL RD	9/23/19	12587	12586	8712	8	RPM	265
SSS	E-11-7	5401 OAKHILL RD	9/24/19	12586	12585	8711	8	RPM	327
SSS	E-11-7	5401 OAKHILL RD	9/24/19	12585	12584	8710	8	RPM	211
SSS	E-11-7	5401 OAKHILL RD	9/24/19	12584	12571	8461	8	RPM	57
SSS	E-11-7	5601 OAKHILL RD	9/24/19	12571	12572	8678	8	RPM	395
SSS	E-11-7	5601 OAK HILL RD.	9/24/19	12572	281961	8684	8	RPM	397
SSS	E-11-7	5601 OAK HILL RD.	9/25/19	12573	281961	8674	10	PVC	11
SSS	E-11-7	5601 OAK HILL RD.	9/25/19	84114	12573	8398	8	RPM	84
SSS	E-11-7	5601 OAK HILL RD.	9/25/19	84114	AWW	28549	10	CAS	16
SSS	W-13-1	4829 UNIVERSITY DR	10/8/19	14614	14615	23242	12	RCP	397
SSS	W-13-2	815 N BOEHNE CAMP RD	10/9/19	11467	11478	21539	10	RPM	36
SSS	W-13-2	815 N BOEHNE CAMP RD	10/9/19	11466	11467	21551	10	RPM	227
SSS	W-13-3	3901 UPPER MOUNT VERNON RD	10/10/19	100038	11586	13383	8	VCP	396
SSS	W-12-5	1161 BLUFF LN	11/5/19	15037	15027	12252	8	RPM	253
SSS	W-12-5	1161 BLUFF LN	11/5/19	CO	15038	12253	8	RPM	73
SSS	W-12-5	1116 BLUFF LN	11/6/19	15038	15037	12251	8	RPM	410
SSS	W-9-1	1931 ALLENS LN	11/14/19	282150	282149	28718	8	PVC	143
SSS	W-9-1	1931 ALLENS LN	11/14/19	CO	4766	12473	8	PVC	60
CSS Total Cleaned (ft)									0
SSS Total Cleaned (ft)									199,627
Total 8" to 15" Diameter Pipes Cleaned (ft)									199,627

* Total includes 11,076 ft of SSS cleanings that were not submitted in SAR 2019-1

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-9-1	5/15/19	1931 ALLENS LN	CO	4766	12473	8	PVC	60
SSS	W-9-2	7/1/19	2029 ALLENS LN	131882	131883	21983	12	VCP	315
SSS	W-9-2	7/1/19	2029 ALLENS LN	131883	131689	21984	12	VCP	373
SSS	W-9-2	7/1/19	2023 ALLENS LN	131689	131690	22557	12	VCP	371
SSS	W-9-2	7/1/19	2750 ALLENS LN	133056	133055	24779	8	PVC	63
SSS	W-9-4	7/1/19	1116 N SAINT JOSPEH AVE	282863	8133	29448	15	RCP	221
SSS	W-12-1	7/1/19	1709 ROLLETT LN	CO	124431	13485	8	VCP	325
SSS	W-12-3	7/1/19	5600 PEARL DR	14700	14701	14042	8	RPM	168
SSS	W-12-3	7/1/19	5600 PEARL DR	14701	14702	14043	8	RPM	346
SSS	W-12-3	7/1/19	5600 PEARL DR	14702	14703	14022	8	RPM	176
SSS	W-12-3	7/1/19	5600 PEARL DR	14703	14704	14023	8	RPM	196
SSS	W-12-1	7/1/19	1801 ROLLETT LN	15446	15445	14095	8	VCP	394
SSS	W-12-1	7/1/19	1709 ROLLETT LN	124431	15446	14096	8	VCP	270
SSS	W-9-1	7/2/19	2001 ALLENS LN	4763	281876	12411	8	VCP	223
SSS	W-9-1	7/2/19	2001 ALLENS LN	281972	4763	12476	8	VCP	312
SSS	W-9-1	7/2/19	2005 ALLENS LN	281876	4762	13547	8	VCP	36
SSS	W-9-3	7/2/19	4607 N SAINT JOSEPH AVE	4823	4822	13572	15	RCP	157
SSS	W-9-1	7/2/19	1730 ALLENS LN	281974	281973	28556	8	RPM	20
SSS	W-12-3	7/2/19	601 JOBES LN	14706	14707	14031	8	RPM	150
SSS	W-12-3	7/2/19	615 JOBES LN	14709	14708	14030	8	RPM	60
SSS	W-12-1	7/2/19	1827 ROLLETT LN	15445	15444	12784	8	VCP	252
SSS	W-12-1	7/2/19	1901 ROLLETT LN	AEP	15444	14080	8	VCP	83
SSS	W-12-3	7/2/19	615 JOBES LN	281988	14709	28571	8	RPM	91
SSS	W-12-1	7/2/19	1927 ROLLETT LN	15440	15441	14077	8	RPM	44
SSS	W-12-1	7/2/19	1927 ROLLETT LN	15442	15440	14078	8	RPM	268
SSS	W-12-1	7/2/19	1818 ROLLETT LN	15441	15443	14079	8	VCP	358
SSS	W-12-1	7/2/19	1901 ROLLETT LN	15444	281970	28554	8	VCP	33
SSS	W-12-1	7/3/19	1725 ROLLETT LN	AEP	15446	14094	8	VCP	107
SSS	W-12-3	7/3/19	5102 MIDDLE MT VERNON RD	14674	14672	15639	15	RPM	402
SSS	W-12-3	7/3/19	5245 MIDDLE MT VERNON RD	14675	14674	15654	15	RPM	403
SSS	W-12-3	7/3/19	5102 MIDDLE MT VERNON RD	14672	14671	15648	15	RPM	328
SSS	W-12-3	7/3/19	5102 MIDDLE MT VERNON RD	14671	14670	15651	15	RPM	318
SSS	W-12-1	7/3/19	1818 ROLLETT LN	281970	15450	28334	8	VCP	718
SSS	W-12-2	7/3/19	1504 S BOSSE AVE	100647	100626	23595	8	VCP	423
SSS	W-12-2	7/3/19	1504 S BOSSE AVE	100648	100647	23604	8	RPM	412
SSS	W-12-2	7/3/19	1400 S BOSSE AVE	100742	100648	23128	8	VCP	7

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-1	7/8/19	1701 S RED BANK RD	1492	1493	23619	8	VCP	352
SSS	W-12-2	7/8/19	1317 S HELFRICH AVE	100650	100649	23601	8	RPM	405
SSS	W-12-2	7/8/19	1217 S HELFRICH AVE	CO	100650	23613	8	RPM	105
SSS	W-12-2	7/8/19	1401 S HELFRICH	100649	100652	23600	8	RPM	321
SSS	W-12-1	7/8/19	1701 S RED BANK RD	1493	1482	13457	8	VCP	360
SSS	W-12-1	7/8/19	1701 S RED BANK RD	1482	1481	14093	8	VCP	407
SSS	W-12-2	7/8/19	1417 S HELFRICH AVE	100652	1489	23590	8	RPM	546
SSS	W-12-1	7/8/19	1809 S RED BANK RD	1481	1475	14089	8	VCP	415
SSS	W-12-1	7/8/19	1903 S RED BANK RD	1475	1474	14088	8	VCP	152
SSS	W-12-1	7/9/19	4106 BROADWAY AVE	CO	100630	23588	8	VCP	139
SSS	W-12-1	7/9/19	4106 BROADWAY AVE	CO	100630	23589	8	VCP	88
SSS	W-12-2	7/9/19	1200 S HELFRICH AVE	100543	14378	23607	8	RPM	145
SSS	W-12-2	7/9/19	1200 S HELFRICH AVE	14378	14379	23606	8	RPM	85
SSS	W-12-2	7/9/19	1216 S HELFRICH AVE	14379	100621	23605	8	VCP	304
SSS	W-12-1	7/9/19	4106 BROADWAY AVE	100630	100631	23587	8	VCP	177
SSS	W-12-1	7/9/19	1619 S BOSSE AVE	100631	100632	23586	8	VCP	402
SSS	W-12-2	7/9/19	1312 S HELFRICH AVE	100621	ATC	23602	8	VCP	218
SSS	W-12-1	7/9/19	1705 S BOSSE AVE	100632	100635	13456	8	VCP	407
SSS	W-12-1	7/9/19	1801 S BOSSE AVE	100635	100636	13473	8	VCP	53
SSS	W-12-2	7/9/19	1508 S HELFRICH AVE	100622	100624	23594	8	VCP	524
SSS	W-12-1	7/9/19	1811 S WERNER AVE	100803	100806	13464	8	VCP	479
SSS	W-12-2	7/9/19	1523 S HELFRICH AVE	100624	100627	23592	8	VCP	160
SSS	W-12-1	7/9/19	1901 S WERNER AVE	100808	100806	13460	8	VCP	469
SSS	W-12-1	7/10/19	1801 S BOSSE AVE	100636	100813	13474	8	VCP	304
SSS	W-12-1	7/10/19	1819 S BOSSE AVE	100813	100812	13462	8	VCP	328
SSS	W-12-1	7/10/19	4016 SAUNDERS AVE	100640	100638	13477	8	VCP	212
SSS	W-12-1	7/10/19	4004 SAUNDERS AVE	283530	100640	13471	8	VCP	251
SSS	W-12-1	7/10/19	1800 S BOSSE AVE	100638	100804	13475	8	VCP	344
SSS	W-12-2	7/10/19	1516 S HELFRICH AVE	100625	100624	23597	8	RPM	170
SSS	W-12-1	7/10/19	1818 S BOSSE AVE	100804	100805	13463	8	VCP	315
SSS	W-12-2	7/10/19	1516 S HELFRICH AVE	100653	100625	23598	8	RPM	420
SSS	W-12-2	7/10/19	1413 S HELFRICH AVE	CO	100653	23599	8	RPM	161
SSS	W-12-3	7/10/19	4800 ORCHID CT	14665	284337	13481	10	VCP	405
SSS	W-12-1	7/10/19	1900 S BOSSE AVE	100806	100805	13459	8	VCP	310
SSS	W-12-1	7/10/19	1900 S BOSSE AVE	100805	100807	13465	8	VCP	361
SSS	W-12-1	7/10/19	4103 NOLAN AVE	100812	100811	13461	8	VCP	382

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-1	7/10/19	1919 S BOSSE AVE	100811	100810	13458	8	VCP	374
SSS	W-12-1	7/11/19	1615 S HELFRICH AVE	1496	100633	23609	8	VCP	263
SSS	W-12-1	7/11/19	1701 S HELFRICH AVE	281521	100634	27226	8	VCP	176
SSS	W-12-1	7/11/19	1625 S HELFRICH AVE	100633	281521	23612	8	VCP	102
SSS	W-12-1	7/11/19	1701 S HELFRICH AVE	100634	1495	13472	8	VCP	411
SSS	W-12-1	7/11/19	4211 SAUNDERS AVE	1495	100637	13476	8	VCP	57
SSS	W-12-1	7/11/19	1801 S HELFRICH AVE	100637	1494	13478	8	VCP	280
SSS	W-12-1	7/11/19	1913 S HELFRICH AVE	284336	1484	14087	8	VCP	309
SSS	W-12-1	7/11/19	1913 S HELFRICH AVE	1485	284336	31046	8	VCP	104
SSS	W-12-3	7/11/19	4800 ORCHID CT	284337	14668	31047	10	VCP	253
SSS	W-12-1	7/11/19	1815 S HELFRICH AVE	1494	1486	13469	8	VCP	336
SSS	W-12-1	7/11/19	1831 S HELFRICH AVE	1486	1485	13468	8	VCP	352
SSS	W-12-2	7/11/19	1217 S RED BANK RD	11322	11323	23639	8	VCP	260
SSS	W-12-2	7/11/19	1313 S RED BANK RD	11323	11324	23640	8	VCP	415
SSS	W-12-1	7/12/19	4004 SAUNDERS AVE	100639	100640	13470	8	VCP	406
SSS	W-12-1	7/12/19	1702 S BOSSE AVE	100642	100639	23611	8	VCP	413
SSS	W-12-2	7/12/19	1505 S RED BANK RD	11324	1499	23641	8	VCP	415
SSS	W-12-2	7/12/19	1516 RED BANK RD	1499	1488	23643	8	VCP	368
SSS	W-12-1	7/12/19	4020 BROADWAY AVE	100629	100642	23610	8	VCP	256
SSS	W-12-1	7/16/19	1920 S BOSSE AVE	100807	100809	13466	8	VCP	360
SSS	W-12-1	7/16/19	1934 S BOSSE AVE	100809	100810	13467	10	VCP	169
SSS	W-12-2	7/16/19	1400 S HELFRICH AVE	ATC	100622	23608	8	VCP	207
SSS	W-12-1	7/16/19	4110 OGDEN AVE	100810	1484	14086	10	VCP	328
SSS	W-12-1	7/16/19	2300 S RED BANK RD	CO	14357	26775	8	RPM	116
SSS	W-12-2	7/16/19	1201 HATHAWAY AVE	11320	11326	23628	8	VCP	412
SSS	W-12-1	7/16/19	1934 S RED BANK RD	14357	14358	22268	8	RPM	341
SSS	W-12-2	7/16/19	1312 HATHAWAT AVE	11326	11325	23629	8	VCP	201
SSS	W-12-2	7/16/19	1312 HATHAWAY AVE	AEP	11320	23646	8	VCP	10
SSS	W-12-1	7/16/19	1927 HATHAWAY AVE	125670	1470	14069	8	VCP	371
SSS	W-12-1	7/16/19	1927 HATHAWAY AVE	1470	1471	14071	8	VCP	287
SSS	W-12-1	7/17/19	1901 HATHAWAY AVE	1478	1476	14070	8	VCP	129
SSS	W-12-2	7/17/19	1416 HATHAWAY AVE	11325	1498	23620	8	VCP	349
SSS	W-12-1	7/17/19	1901 HATHAWAY AVE	1476	1470	14097	8	VCP	466
SSS	W-12-2	7/17/19	4319 BROADWAY AVE	1497	14645	23632	8	VCP	202
SSS	W-12-2	7/17/19	4420 MIDDLE MOUNT VERNON RD	1498	1497	23621	8	VCP	269
SSS	W-12-1	7/17/19	1943 S RED BANK RD	1473	1472	14072	8	VCP	377

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-9-3	7/17/19	4301 N SAINT JOSEPH AVE	4819	4820	16514	12	RCP	24
SSS	W-12-2	7/17/19	4407 BROADWAY AVE	14645	14644	23631	8	VCP	379
SSS	W-12-1	7/17/19	1903 S RED BANK RD	1474	1473	14073	8	VCP	370
SSS	W-9-3	7/17/19	2246 GLENVIEW DR	15062	15061	12845	8	PVC	270
SSS	W-12-2	7/18/19	4101 BROADWAY AVE	100626	100627	23596	8	VCP	351
SSS	W-12-1	7/18/19	1934 S RED BANK RD	1484	14358	14091	10	VCP	139
SSS	W-12-2	7/18/19	4115 BROADWAT AVE	100627	1489	23591	8	VCP	173
SSS	W-12-2	7/18/19	4219 BROADWAY AVE	1489	1488	23642	8	VCP	212
SSS	W-12-1	7/18/19	4315 OGDEN AVE	1472	1471	14083	10	VCP	177
SSS	W-12-1	7/18/19	4411 OGDEN AVE	1471	1469	14084	10	VCP	363
SSS	W-12-1	7/18/19	4411 OGDEN AVE	1469	15448	14085	10	VCP	304
SSS	W-12-1	7/18/19	1943 S RED BANK RD	14640	1472	14090	10	VCP	154
SSS	W-12-1	7/18/19	1934 S RED BANK RD	14358	14640	14092	10	VCP	45
SSS	W-12-2	7/19/19	4301 BROADWAY AVE	1488	14645	23637	8	VCP	235
SSS	W-12-2	7/19/19	1803 HATHAWAY AVE	1480	138916	14076	8	VCP	66
SSS	W-12-2	7/19/19	4400 PERRY AVE	138916	1483	14099	8	VCP	432
SSS	W-12-2	7/19/19	1823 HATHAWAY AVE	1477	1479	14075	8	VCP	250
SSS	W-12-2	7/19/19	1803 HATHAWAY AVE	1479	1480	14074	8	VCP	292
SSS	W-9-2	7/20/19	2330 SHERIDAN RD	132350	4796	22546	8	VCP	364
SSS	W-12-1	7/20/19	3901 BROADWAY AVE	AEP	170367	23668	8	PVC	3
SSS	W-12-1	7/20/19	3901 BROADWAY AVE	170367	170366	23669	8	PVC	77
SSS	W-12-1	7/20/19	3902 BROADWAY AVE	170366	170365	23670	8	PVC	25
SSS	W-12-1	7/20/19	3902 BROADWAY AVE	170365	170364	23672	8	PVC	9
SSS	W-12-1	7/20/19	3902 BROADWAY AVE	170368	170365	23671	8	PVC	241
SSS	W-12-1	7/20/19	3600 BROADWAY AVE	170370	170369	23674	8	PVC	63
SSS	W-12-1	7/20/19	3600 BROADWAY AVE	170371	170370	23673	8	PVC	290
SSS	W-13-4	7/23/19	3019 PERIWINKLE DR	CO	14551	13823	8	RPM	98
SSS	W-13-4	7/23/19	3019 PERIWINKLE DR	14551	14550	13822	8	RPM	207
SSS	W-13-4	7/23/19	3003 PERIWINKLE DR	14550	14553	13824	8	RPM	191
SSS	W-13-4	7/23/19	2911 PERIWINKLE DR	CO	14553	13825	8	RPM	154
SSS	W-12-2	7/23/19	4626 MIDDLE MOUNT VERNON RD	11315	11316	23626	8	VCP	345
SSS	W-13-4	7/23/19	5315 DAFFODIL CT	14563	14550	13826	8	RPM	380
SSS	W-13-4	7/23/19	2949 IRIS CT	14562	14553	13835	8	RPM	282
SSS	W-12-2	7/23/19	4626 MIDDLE MOUNT VERNON RD	11316	11317	23625	8	VCP	174
SSS	W-13-4	7/23/19	2911 PERIWINKLE DR	14553	14549	13834	8	RPM	150
SSS	W-12-2	7/23/19	4626 MIDDLE MOUNT VERNON RD	11317	11318	23624	8	VCP	231

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	7/23/19	2841 PERIWINKLE DR	282460	128322	13827	8	RPM	117
SSS	W-13-4	7/23/19	2821 PERIWINKLE DR	128322	14558	13828	8	RPM	166
SSS	W-12-4	7/24/19	1526 REITER DR	283218	14891	29788	8	VCP	372
SSS	W-12-4	7/24/19	1601 HILLSIDE TER	14900	14905	14149	8	RPM	382
SSS	W-12-2	7/24/19	4513 MIDDLE MOUNT VERNON RD	1467	1498	23622	8	VCP	438
SSS	W-13-4	7/24/19	2828 PERIWINKLE DR	14557	14558	13817	8	RPM	41
SSS	W-13-4	7/24/19	2828 PERIWINKLE DR	14558	14559	13818	8	RPM	110
SSS	W-13-4	7/24/19	2814 PERIWINKLE DR	14559	14560	13819	8	RPM	74
SSS	W-12-2	7/24/19	4513 MIDDLE MOUNT VERNON RD	11318	1467	23623	8	VCP	408
SSS	W-13-4	7/24/19	2840 PERIWINKLE DR	14556	14557	13816	8	RPM	110
SSS	W-13-4	7/24/19	2840 PERIWINKLE DR	14555	14556	13815	8	RPM	43
SSS	W-13-4	7/24/19	2850 PERIWINKLE DR	14554	14555	13814	8	RPM	71
SSS	W-12-2	7/25/19	1815 HATHAWAY AVE	1483	281800	28333	12	RCP	226
SSS	W-12-2	7/25/19	1624 JOHNSON LN	281800	281799	23655	12	RCP	402
SSS	W-12-2	7/25/19	1512 JOHNSON LN	281799	14648	28332	12	RCP	176
SSS	W-12-2	7/25/19	4500 BOARDWAY AVE	14648	AWW	23652	12	RCP	175
SSS	W-13-4	7/25/19	2725 MEADOW LARK LN	11329	11328	13839	8	VCP	157
SSS	W-8-2	7/26/19	2924 N FOURTH AVE	9050	9044	11853	8	VCP	218
SSS	W-13-4	7/26/19	2725 MEADOW LARK LN	11345	11329	13840	12	VCP	343
SSS	W-13-4	7/26/19	2815 MEADOW LARK CT	14334	14561	13820	8	RPM	55
SSS	W-13-4	7/26/19	2820 MEADOW LARK CT	14561	128323	13829	8	RPM	214
SSS	W-13-4	7/26/19	2618 CAREN DR	128323	11331	30517	8	RPM	326
SSS	W-13-4	7/26/19	2816 MEADOW LARK CT	14560	14561	13821	8	RPM	371
SSS	W-13-4	7/26/19	2525 CAREN DR	284342	11332	13843	8	VCP	218
SSS	W-13-4	7/26/19	2609 CAREN DR	11328	284342	31054	8	VCP	88
SSS	W-9-4	7/27/19	1624 N SAINT JOSEPH AVE	8277	8155	23081	8	VCP	336
SSS	W-13-1	7/27/19	4200 HOGLUE RD	280694	280693	26197	8	RPM	210
SSS	W-13-1	7/27/19	4200 HOGLUE RD	280693	280692	26198	8	RPM	254
SSS	W-13-1	7/27/19	4200 HOGLUE RD	280692	280691	26199	8	RPM	401
SSS	W-13-1	7/27/19	4200 HOGLUE RD	280691	280690	26200	8	RPM	128
SSS	W-13-1	7/27/19	3901 DOROTHY DR	280690	280689	26201	8	RPM	132
SSS	W-13-4	7/27/19	2525 CAREN DR	11332	284339	13838	8	VCP	131
SSS	W-13-4	7/27/19	2534 CAREN DR	11331	11342	13848	8	RPM	185
SSS	W-13-3	7/27/19	4009 WESTERN AVE	CO	11426	13736	8	VCP	307
SSS	W-13-3	7/27/19	4009 WESTERN AVE	11426	ATC	30455	8	VCP	14
SSS	W-13-4	7/27/19	2624 MAGNOLIA DR	11339	284340	13844	8	VCP	110

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	7/27/19	2624 MAGNOLIA DR	281902	11339	13856	8	VCP	82
SSS	W-13-4	7/27/19	2623 MAGNOLIA DR	129352	281902	28476	8	VCP	65
SSS	W-13-3	7/27/19	4008 WESTERN AVE	37358	11425	14764	12	VCP	290
SSS	W-13-4	7/27/19	2534 CAREN DR	284339	11331	31052	8	VCP	97
SSS	W-13-3	7/27/19	1100 N WERNER AVE	127989	37358	13758	8	VCP	278
SSS	W-13-4	7/29/19	2110 WEST HAVEN DR	129348	129349	13851	8	RPM	161
SSS	W-13-4	7/29/19	2343 WEST HAVEN DR	129346	129347	13849	8	RPM	375
SSS	W-13-4	7/29/19	2110 WEST HAVEN DR	129347	129348	13850	8	RPM	409
SSS	W-13-4	7/29/19	2624 MAGNOLIA DR	284340	11332	31053	8	VCP	214
SSS	W-13-3	7/29/19	3701 ADOBE ST	14568	14567	13940	8	RPM	160
SSS	W-13-4	7/29/19	2110 WEST HAVEN DR	129349	11341	13852	8	RPM	42
SSS	W-13-4	7/29/19	2510 CAREN DR	11342	11341	13846	8	RPM	178
SSS	W-13-3	7/29/19	1600 WESTERN HILLS DR	11404	14567	13762	8	VCP	113
SSS	W-13-4	7/29/19	2019 WEST HAVEN DR	11341	284344	14776	8	RPM	39
SSS	W-13-4	7/29/19	2019 WEST HAVEN DR	129350	284345	14777	8	RPM	132
SSS	W-13-4	7/29/19	2019 WEST HAVEN DR	11340	11344	15631	8	VCP	431
SSS	W-13-4	7/29/19	2019 WEST HAVEN DR	284344	129350	31056	8	RPM	34
SSS	W-13-4	7/29/19	2019 WEST HAVEN DR	284345	11340	31057	8	RPM	61
SSS	W-13-3	7/29/19	1600 WESTERN HILLS AVE	14567	11409	13763	8	VCP	483
SSS	W-9-4	7/30/19	2400 N SAINT JOSEPH AVE	99781	AWW	12513	8	VCP	179
SSS	W-13-1	7/30/19	4595 UNIVERSITY DR	282408	14774	24955	8	PVC	88
SSS	W-13-1	7/30/19	4311 S ROSENBERGER AVE	14775	282408	24956	8	PVC	271
SSS	W-13-1	7/30/19	4595 UNIVERSITY DR	14774	281059	24957	8	PVC	104
SSS	W-13-1	7/30/19	120 N ROSENBERGER AVE	281059	11532	26743	8	PVC	38
SSS	W-13-4	7/30/19	5214 WEST HAVEN DR	AEP	11337	13847	8	VCP	3
SSS	W-13-4	7/30/19	5214 WEST HAVEN DR	11337	11336	13845	8	VCP	257
SSS	W-13-3	7/30/19	3601 ADOBE ST	128216	11406	13774	8	VCP	105
SSS	W-13-4	7/30/19	5316 WEST HAVEN DR	11336	11335	13695	8	VCP	326
SSS	W-13-3	7/30/19	3000 RODENBERG	4042	128216	13775	8	VCP	188
SSS	W-13-4	7/30/19	5408 WEST HAVEN DR	11335	11334	13696	8	VCP	310
SSS	W-13-4	7/30/19	5600 WEST HAVEN DR	11334	11333	13694	8	VCP	273
SSS	W-13-3	7/30/19	1420 WESTERN HILLS AVE	11409	11410	23782	8	VCP	370
SSS	W-13-3	7/30/19	1320 WESTERN HILLS DR	11410	11411	13743	8	VCP	389
SSS	W-13-1	7/31/19	4540 UNIVERSITY DR	14776	14777	12726	8	PVC	103
SSS	W-13-1	7/31/19	4540 UNIVERSITY DR	14777	14775	13649	8	PVC	284
SSS	W-13-1	7/31/19	103 WESTON RD	14719	14348	13973	8	PVC	108

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-1	7/31/19	103 WESTON RD	14721	14719	13974	8	PVC	204
SSS	W-13-1	7/31/19	103 WESTON RD	14724	14721	13975	8	PVC	92
SSS	W-13-1	7/31/19	103 WESTON RD	14731	14724	13978	8	PVC	112
SSS	W-13-1	7/31/19	103 WESTON RD	14732	14731	13979	8	PVC	368
SSS	W-13-1	7/31/19	103 WESTON RD	14725	14732	13980	8	PVC	381
SSS	W-13-1	7/31/19	111 S RED BANK RD	14726	14725	14000	8	PVC	196
SSS	W-13-1	7/31/19	131 S RED BANK RD	14727	14725	14001	8	PVC	196
SSS	W-13-1	7/31/19	4540 UNIVERSITY DR	281060	281061	26744	8	PVC	155
SSS	W-13-1	7/31/19	4540 UNIVERSITY DR	281061	14776	26745	8	PVC	15
SSS	W-13-1	7/31/19	4595 UNIVERSITY DR	284346	14776	31058	8	PVC	29
SSS	W-13-1	7/31/19	5320 WESTON RD	14730	14729	13999	8	PVC	335
SSS	W-13-1	7/31/19	5212 WESTON RD	14729	14728	13998	8	PVC	335
SSS	W-13-1	7/31/19	5120 WESTON RD	14728	14727	14004	8	PVC	66
SSS	W-13-1	8/1/19	4905 UNIVERSITY DR	14791	14790	13498	8	PVC	191
SSS	W-13-1	8/1/19	415 NUNNING RD	14623	14620	13650	8	PVC	346
SSS	W-13-1	8/2/19	4915 UNIVERSITY DR	14792	14788	12740	8	PVC	269
SSS	W-13-1	8/2/19	4915 UNIVERSITY DR	14790	14792	13499	8	PVC	59
SSS	W-9-1	8/3/19	1931 ALLENS LN	4766	4767	12472	8	VCP	104
SSS	W-9-1	8/3/19	1931 ALLENS LANE	4765	4766	31020	8	VCP	6
SSS	W-13-1	8/3/19	5711 FOREST AVE	14355	14718	14007	8	PVC	228
SSS	W-13-1	8/3/19	5611 FOREST AVE	14354	14350	13982	8	RPM	355
SSS	W-13-1	8/3/19	5633 FOREST AVE	14718	14354	13983	8	RPM	124
SSS	W-13-1	8/3/19	5711 FOREST AVE	CO	14718	13996	8	PVC	154
SSS	W-13-1	8/3/19	5735 S BOEHNE CAMP RD	14356	14355	14013	8	RPM	133
SSS	W-13-1	8/5/19	121 S BOEHNE CAMP RD	14735	14734	13293	8	RPM	318
SSS	W-13-1	8/5/19	121 S BOEHNE CAMP RD	14733	14360	14014	8	PVC	85
SSS	W-13-1	8/5/19	121 S BOEHNE CAMP RD	14734	14733	14015	8	RPM	392
SSS	W-13-1	8/5/19	21 MAYA CT	280581	280582	26049	8	PVC	277
SSS	W-13-1	8/5/19	21 MAYA CT	280583	280582	26050	8	PVC	109
SSS	W-13-1	8/5/19	41 MAYA CT	280584	280583	26051	8	PVC	53
SSS	W-13-1	8/5/19	101 MAYA CT	280584	280585	26052	8	PVC	52
SSS	W-13-1	8/5/19	111 MAYA CT	280586	280585	26053	8	PVC	83
SSS	W-13-1	8/5/19	120 N BOEHNE CAMP RD	280585	280587	26054	8	PVC	376
SSS	W-13-2	8/5/19	215 N BOEHNE CAMP RD	280587	280588	26055	8	PVC	176
SSS	W-13-1	8/5/19	21 MAYA CT	281702	280582	28209	8	PVC	43
SSS	W-13-1	8/6/19	18 S BOEHNE CAMP RD	14359	14356	14005	8	RPM	344

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-1	8/6/19	25 S BOEHNE CAMP RD	14360	14356	14012	8	RPM	39
SSS	W-13-1	8/6/19	100 FOREST AVE	14351	14345	14778	10	PVC	111
SSS	W-13-1	8/6/19	100 FOREST AVE	14345	14350	14779	10	RPM	176
SSS	W-13-3	8/6/19	1300 WESTERN HILLS AVE	11411	11412	13741	8	VCP	146
SSS	W-13-1	8/8/19	300 HAYES DR	14619	282361	12749	8	PVC	360
SSS	W-13-1	8/8/19	211 NUNNING RD	124643	124642	13651	8	RPM	288
SSS	W-13-1	8/8/19	300 N RED BANK RD	124642	14610	13652	8	RPM	394
SSS	W-13-1	8/8/19	211 NUNNING RD	AEP	124643	13666	8	RPM	3
SSS	W-13-1	8/8/19	211 NUNNING RD	AEP	124643	13667	8	RPM	3
SSS	W-13-2	8/8/19	411 WESTMORE DR	11455	11454	21540	10	RPM	168
SSS	W-13-2	8/8/19	315 WESTMORE DR	14367	11458	21543	10	RPM	331
SSS	W-13-2	8/8/19	411 WESTMORE DR	11458	11455	21547	10	RPM	380
SSS	W-13-1	8/8/19	300 SOUTH TOWER DR	282361	14611	23799	12	RCP	307
SSS	W-13-1	8/8/19	4930 LAKESIDE CT	14613	14786	23801	12	RCP	300
SSS	W-13-1	8/8/19	300 N RED BANK RD	14611	14613	23803	12	RCP	357
SSS	W-13-1	8/8/19	300 SOUTH TOWER DR	14622	282361	28937	12	RCP	25
SSS	W-13-4	8/8/19	5626 WEST HAVEN DR	284343	129350	13857	8	RPM	166
SSS	W-9-1	8/9/19	2214 ST JOSEPH INDUSTRIAL PARK DR	132508	132506	12498	10	VCP	390
SSS	W-9-4	8/9/19	1277 N SAINT JOSEPH AVE	282324	282323	28900	8	PVC	35
SSS	W-13-4	8/9/19	5210 MELODY LN	11343	11397	15623	8	RPM	444
SSS	W-13-3	8/9/19	1205 WESTERN HILLS AVE	127993	127992	12362	8	RPM	37
SSS	W-13-3	8/9/19	1203 WESTERN HILLS AVE	CO	127992	13747	8	VCP	47
SSS	W-13-4	8/9/19	5210 MELODY LN	11344	11343	15622	8	RPM	128
SSS	W-13-4	8/9/19	1435 CRESCENT CT	CO	129407	13795	8	RPM	144
SSS	W-13-4	8/9/19	1435 CRESCENT CT	129407	11358	13796	8	RPM	268
SSS	W-9-1	8/10/19	1803 ALLENS LN	38545	281974	12837	8	RPM	241
SSS	W-9-2	8/10/19	2218 ALLENS LN	4780	4755	13548	12	VCP	213
SSS	W-9-2	8/10/19	2308 ALLENS LN	4752	4751	13586	12	VCP	406
SSS	W-9-2	8/10/19	3305 N SAINT JOSEPH AVE	4788	4790	22538	10	VCP	392
SSS	W-9-2	8/10/19	3417 N SAINT JOSEPH AVE	4787	4788	22539	10	VCP	400
SSS	W-13-4	8/10/19	1349 CRESCENT CT	11358	11359	13789	8	RPM	132
SSS	W-13-4	8/10/19	1349 CRESCENT CT	11361	11359	13777	8	RPM	152
SSS	W-13-4	8/10/19	1349 CRESCENT CT	11359	11353	13685	8	RPM	149
SSS	W-13-3	8/10/19	1601 WESTERN HILLS DR	11406	14567	13939	8	VCP	377
SSS	W-13-4	8/10/19	1349 CRESCENT CT	11353	11351	13780	8	RPM	181
SSS	W-13-4	8/10/19	5501 UPPER MT VERNON RD	11351	129405	13794	8	RPM	149

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-3	8/10/19	1600 WESTERN HILLS AVE	11403	11404	13936	8	VCP	210
SSS	W-13-4	8/10/19	5501 UPPER MT VERNON RD	129405	11350	13677	8	RPM	37
SSS	W-13-3	8/10/19	1205 WESTERN HILLS AVE	CO	127993	13749	8	RPM	22
SSS	W-13-4	8/10/19	5501 UPPER MT VERNON RD	11350	129404	13678	8	RPM	249
SSS	W-13-3	8/10/19	1205 WESTERN HILLS AVE	CO	127993	13750	8	RPM	54
SSS	W-13-4	8/10/19	5411 UPPER MOUNT VERNON RD	129404	129403	13679	8	RPM	339
SSS	W-13-4	8/10/19	5315 UPPER MOUNT VERNON RD	129403	129402	13680	8	RPM	276
SSS	W-13-3	8/10/19	3901 W MARYLAND ST	AEP	128006	23786	8	VCP	141
SSS	W-13-3	8/10/19	3901 W MARYLAND ST	128004	128006	23785	8	VCP	327
SSS	W-13-4	8/10/19	5221 UPPER MOUNT VERNON RD	129402	11381	13681	8	RPM	421
SSS	W-13-2	8/12/19	535 WINSTEAD WAY	14596	14597	12727	8	PVC	262
SSS	W-13-2	8/12/19	607 WINSTEAD WAY	14597	14598	12728	8	PVC	200
SSS	W-13-2	8/12/19	637 WINSTEAD WAY	14598	14599	12729	8	PVC	294
SSS	W-13-1	8/12/19	21 N ROSENBERGER AVE	11532	11533	24954	15	VCP	170
SSS	W-13-1	8/12/19	5737 DOGWOOD DR	280580	14359	26047	8	PVC	118
SSS	W-13-1	8/12/19	5737 DOGWOOD DR	280581	280580	26048	8	PVC	108
SSS	W-13-1	8/12/19	3931 W LLOYD EXPY	280689	280695	26202	8	RPM	84
SSS	W-13-1	8/12/19	3901 W LLOYD EXPY	280695	280729	26214	8	RPM	262
SSS	W-13-2	8/12/19	4640 LAMB LN	CO	282706	29289	8	RPM	128
SSS	W-13-2	8/12/19	4640 LAMB LN	282762	14596	29290	8	RPM	97
SSS	W-13-3	8/12/19	3901 W MARYLAND ST	128006	283746	30295	8	VCP	141
SSS	W-13-3	8/12/19	3909 W MARYLAND ST	283746	283745	30296	8	VCP	17
SSS	W-13-2	8/13/19	6024 HOGLUE RD	14744	14366	12768	8	PVC	194
SSS	W-13-2	8/13/19	6120 HOGLUE RD	AEP	14365	12769	8	RPM	49
SSS	W-13-2	8/13/19	6100 HOGLUE RD	14365	14366	12770	10	PVC	304
SSS	W-13-2	8/13/19	6024 HOGLUE RD	14366	14367	12771	10	PVC	144
SSS	W-13-1	8/13/19	111 N RED BANK RD	123851	14613	13663	8	RPM	391
SSS	W-13-2	8/13/19	6000 HOGLUE RD	11470	14367	21544	10	RPM	144
SSS	W-13-2	8/13/19	5800 HOGLUE RD	11468	11469	21545	10	RPM	288
SSS	W-13-2	8/13/19	6000 HOGLUE RD	11469	11470	21548	10	RPM	331
SSS	W-13-4	8/13/19	1235 WESTWOOD HILLS DR	11370	11371	13792	8	RPM	146
SSS	W-13-4	8/13/19	1235 WESTWOOD HILLS DR	11371	11356	13787	8	RPM	232
SSS	W-13-3	8/13/19	1000 WESTERN HILLS AVE	282419	11411	13753	8	VCP	340
SSS	W-13-3	8/13/19	1006 WESTERN HILLS AVE	127992	282419	13748	8	VCP	395
SSS	W-13-4	8/13/19	5771 WOODLAND KNOB LN	11376	11377	13693	8	VCP	133
SSS	W-13-4	8/13/19	5771 WOODLAND KNOB LN	11377	11375	14180	8	VCP	105

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	8/13/19	1524 WESTWOOD HILLS DR	11375	11374	14181	8	RPM	307
SSS	W-13-4	8/13/19	1434 WESTWOOD HILLS DR	11374	11373	14175	8	RPM	299
SSS	W-13-3	8/13/19	4013 W MARYLAND ST	283744	128007	30294	8	VCP	207
SSS	W-13-4	8/13/19	1348 WESTWOOD HILLS DR	11373	14625	14176	8	RPM	225
SSS	W-13-3	8/13/19	3909 W MARYLAND ST	283745	283744	23787	8	VCP	228
SSS	W-13-4	8/14/19	5615 WOODLAND KNOOL LN	11378	11379	13692	8	RPM	299
SSS	W-13-4	8/14/19	5615 WOODLAND KNOOL LN	11379	11380	13798	8	RPM	189
SSS	W-13-4	8/14/19	1473 N BOEHNE CAMP RD	11380	11363	13779	8	RPM	153
SSS	W-13-3	8/14/19	4121 W. MARYLAND ST.	128007	11425	23788	8	VCP	367
SSS	W-13-4	8/14/19	1473 N BOEHNE CAMP RD	11363	11361	13778	8	RPM	384
SSS	W-13-4	8/14/19	1179 WESTWOOD HILLS DR	11362	11356	13791	8	RPM	312
SSS	W-13-3	8/14/19	4000 W. OREGON ST.	128005	125653	13771	8	VCP	464
SSS	W-13-4	8/14/19	1414 N BOEHNE CAMP RD	11364	11362	13783	8	RPM	269
SSS	W-13-4	8/14/19	1472 N BOEHNE CAMP RD	CO	11364	13690	8	RPM	34
SSS	W-13-4	8/14/19	1472 N BOEHNE CAMP RD	CO	11364	13689	8	RPM	70
SSS	W-13-4	8/14/19	1179 WESTWOOD HILLS DR	11356	11357	13784	8	VCP	209
SSS	W-13-4	8/15/19	1235 WESTWOOD HILLS DR	11368	11370	13786	8	RPM	406
SSS	W-13-4	8/15/19	5714 WOODLAND KNOOL LN	CO	11368	13691	8	RPM	51
SSS	W-13-4	8/15/19	5714 WOODLAND KNOOL LN	CO	11368	13697	8	RPM	48
SSS	W-13-3	8/15/19	1001 N HELFRICH AVE	11444	11445	23792	8	VCP	239
SSS	W-13-4	8/15/19	1341 CRESCENT CT	AEP	11353	13776	8	RPM	149
SSS	W-13-3	8/15/19	4211 WESTERN AVE	11445	11571	15704	10	VCP	279
SSS	W-13-4	8/15/19	1270 N BOEHNE CAMP RD	284354	11352	13782	8	RPM	317
SSS	W-13-3	8/15/19	4220 WESTERN AVE	11571	11576	15638	10	VCP	240
SSS	W-13-4	8/15/19	1270 N BOEHNE CAMP RD	11352	11351	13790	8	RPM	407
SSS	W-13-3	8/16/19	4212 WESTERN AVE	11600	11571	22827	8	VCP	214
SSS	W-13-4	8/16/19	1270 N BOEHNE CAMP RD	11357	11352	13785	8	RPM	193
SSS	W-13-3	8/16/19	860 N HELFRICH AVE	11599	11600	23190	8	VCP	438
SSS	W-13-3	8/16/19	3923 CLEMENTS ST	7219	127999	13759	8	VCP	120
SSS	W-13-3	8/16/19	3923 CLEMENT ST	14564	7219	13767	8	RPM	266
SSS	W-13-1	8/17/19	100 S ROSENBERGER AVE	11540	11541	24950	15	RCP	198
SSS	W-13-4	8/17/19	5626 WEST HAVEN DR	11333	284343	31055	8	VCP	126
SSS	W-13-4	8/17/19	2621 MEADOW LARK LN	281901	129352	30503	8	VCP	180
SSS	W-13-4	8/17/19	2621 MEADOW LARK LN	11330	281901	28475	8	VCP	50
SSS	W-13-3	8/17/19	1116 N WERNER AVE	AEP	283927	30501	8	PVC	229
SSS	W-13-4	8/17/19	2615 MEADOW LARK LN	137646	11330	13859	8	VCP	167

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-3	8/17/19	1116 N WERNER AVE	283927	127989	30502	8	PVC	148
SSS	W-13-4	8/17/19	2704 N RED BANK RD	CO	137646	13863	8	VCP	233
SSS	W-13-4	8/17/19	2725 MEADOW LARK LN	AEP	11329	13842	8	VCP	270
SSS	W-13-1	8/17/19	21 N ROSENBERGER AVE	11533	11539	24952	15	VCP	309
SSS	W-13-1	8/19/19	300 N RED BANK RD	14618	14610	14774	10	RPM	300
SSS	W-13-1	8/19/19	51 NUNNING RD	11506	14618	14775	10	RPM	206
SSS	W-13-1	8/19/19	300 N RED BANK RD	14610	14622	23800	10	RPM	166
SSS	W-13-4	8/19/19	2928 PERIWINKLE DR	14548	14549	13812	8	RPM	151
SSS	W-13-4	8/19/19	2940 PERIWINKLE DR	14547	14548	13811	8	RPM	218
SSS	W-13-4	8/19/19	3008 PERIWINKLE DR	14546	14547	13810	8	RPM	195
SSS	W-13-4	8/19/19	2928 PERIWINKLE DR	14549	14554	13813	8	RPM	196
SSS	W-13-3	8/19/19	1414 TERRACE AVE	AEP	127994	31064	8	VCP	41
SSS	W-13-4	8/19/19	2804 N RED BANK RD	137644	281921	13836	12	VCP	351
SSS	W-13-4	8/19/19	2816 N RED BANK RD	137643	137644	12795	12	VCP	291
SSS	W-13-4	8/19/19	2922 N RED BANK RD	11349	137643	12793	12	VCP	195
SSS	W-13-4	8/19/19	2804 N RED BANK RD	281921	281922	28508	12	VCP	148
SSS	W-13-4	8/19/19	2722 N RED BANK RD	281922	281920	28509	12	VCP	177
SSS	W-13-4	8/19/19	2800 N RED BANK RD	281920	11346	28507	12	VCP	47
SSS	W-13-4	8/19/19	2800 N RED BANK RD	11346	11345	13837	12	VCP	50
SSS	W-13-1	8/20/19	51 NUNNING RD	11507	11506	14773	10	RPM	121
SSS	W-13-1	8/20/19	103 S RED BANK RD	14352	14353	14780	10	RPM	56
SSS	W-13-1	8/20/19	103 S RED BANK RD	14348	14352	14782	10	RPM	86
SSS	W-13-1	8/20/19	18 S BOEHNE CAMP RD	14349	14348	14783	10	RPM	301
SSS	W-13-1	8/20/19	51 NUNNING RD	14346	11507	14784	10	VCP	260
SSS	W-13-1	8/20/19	103 S RED BANK RD	14347	14346	14785	10	RPM	145
SSS	W-13-1	8/20/19	103 S RED BANK RD	14353	14347	14786	10	RPM	186
SSS	W-13-4	8/20/19	1506 HALSEY AVE	14630	14629	14166	8	RPM	22
SSS	W-13-4	8/20/19	1506 HALSEY AVE	14631	14630	14167	8	RPM	141
SSS	W-13-3	8/20/19	3860 CLEMENT ST	281950	11416	26124	8	VCP	193
SSS	W-13-4	8/20/19	5932 KRUEGER AVE	14629	14628	14165	8	RPM	28
SSS	W-13-4	8/20/19	5932 KRUEGER AVE	14628	14342	14162	8	RPM	249
SSS	W-13-4	8/20/19	6000 KRUEGER AVE	14339	14340	14161	8	RPM	157
SSS	W-13-4	8/20/19	1421 DIEFENBACH RD	14632	14339	14163	8	RPM	214
SSS	W-13-4	8/20/19	1547 DIEFENBACH RD	14633	14632	14158	8	RPM	398
SSS	W-13-4	8/21/19	1332 HALSEY AVE	14626	14625	14174	8	RPM	182
SSS	W-13-4	8/21/19	1332 HALSEY AVE	14627	14626	14177	8	RPM	241

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	8/21/19	1332 HALSEY AVE	14342	14627	14172	8	RPM	383
SSS	W-13-4	8/21/19	6001 KRUEGER AVE	14340	14341	14160	8	RPM	232
SSS	W-13-4	8/21/19	6000 KRUEGER AVE	14341	14342	14159	8	RPM	250
SSS	W-13-4	8/21/19	1332 HALSEY AVE	14624	11373	14178	8	RPM	147
SSS	W-13-4	8/21/19	1403 HALSEY AVE	14343	14624	14173	8	RPM	210
SSS	W-13-4	8/21/19	1290 WESTWOOD HILLS DR	14625	11372	13793	8	VCP	231
SSS	W-13-4	8/22/19	1236 WESTWOOD HILLS DR	11372	11357	13788	8	VCP	223
SSS	W-13-4	8/22/19	1533 HALSEY AVE	14344	14343	14182	8	RPM	338
SSS	W-13-4	8/23/19	1900 APPLE RIDGE DR	14338	14639	13688	8	RPM	367
SSS	W-13-4	8/23/19	1900 APPLE RIDGE DR	CO	14639	10696	8	RPM	127
SSS	W-13-4	8/23/19	1900 APPLE RIDGE DR	14639	14638	5052	8	RPM	353
SSS	W-13-4	8/23/19	1800 APPLE RIDGE DR	14638	14637	5051	8	RPM	138
SSS	W-13-4	8/23/19	1732 APPLE RIDGE DR	14637	14337	10695	8	RPM	221
SSS	W-13-4	8/23/19	1721 DIEFENBACH RD	14337	14636	10697	8	RPM	144
SSS	W-13-3	8/23/19	621 VANNESS ST	11582	11583	13378	8	VCP	340
SSS	W-13-4	8/23/19	1721 DIEFENBACH RD	14636	14635	10694	8	RPM	216
SSS	W-13-3	8/23/19	621 VANNESS ST	CO	11582	13392	8	VCP	108
SSS	W-13-1	8/24/19	4909 SUNNYSIDE CT	14793	14787	12734	8	PVC	315
SSS	W-13-1	8/24/19	4829 4865 LLOYD EXPY	14788	14793	12741	8	PVC	220
SSS	W-9-2	8/24/19	2220 SHERIDAN RD	4618	4797	22548	8	VCP	404
SSS	W-13-3	8/24/19	4128 KEDZIE AVE	11563	11561	13377	8	VCP	382
SSS	W-13-3	8/24/19	4129 KEDZIE AVE	11581	11561	13380	8	VCP	155
SSS	W-13-3	8/24/19	4128 KEDZIE AVE	11561	11562	13376	8	VCP	315
SSS	W-13-3	8/24/19	4130 WOLCOTT ST	11562	11556	13386	8	VCP	298
SSS	W-13-3	8/24/19	4124 GAYNE AVE	11556	11555	13369	8	VCP	109
SSS	W-13-3	8/24/19	4130 WOLCOTT ST	100037	11562	13372	8	VCP	213
SSS	W-13-2	8/26/19	313 N BOEHNE CAMP RD	11471	11472	22279	8	VCP	318
SSS	W-13-2	8/26/19	511 N BOEHNE CAMP RD	11473	11474	22280	8	VCP	147
SSS	W-13-2	8/26/19	511 N BOEHNE CAMP RD	11474	11475	22281	8	VCP	156
SSS	W-13-2	8/26/19	625 N BOEHNE CAMP RD	11475	11476	22282	8	VCP	187
SSS	W-13-2	8/26/19	501 N BOEHNE CAMP RD	11472	11473	22283	8	VCP	194
SSS	W-13-4	8/26/19	1700 APPLE RIDGE DR	CO	14336	5054	8	RPM	87
SSS	W-13-4	8/26/19	1700 APPLE RIDGE DR	14336	14335	5055	8	RPM	370
SSS	W-13-4	8/26/19	1710 APPLE RIDGE DR	14335	14337	5056	8	RPM	126
SSS	W-13-4	8/26/19	6100 OLD FARM RD	282565	282566	29115	8	PVC	72
SSS	W-13-4	8/26/19	6100 OLD FARM RD	282566	282567	29116	8	PVC	119

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	8/26/19	6100 OLD FARM RD	282567	282568	29117	8	PVC	78
SSS	W-13-4	8/26/19	6100 OLD FARM RD	282568	282067	29118	8	PVC	58
SSS	W-13-4	8/26/19	1920 DIEFENBACH RD	282067	282066	28619	8	RPM	148
SSS	W-13-4	8/26/19	1900 DIEFENBACH RD	282066	280674	26143	8	RPM	100
SSS	W-13-4	8/26/19	1900 DIEFENBACH RD	280674	280673	26142	8	RPM	217
SSS	W-13-4	8/26/19	1810 DIEFENBACH RD	280673	280672	26141	8	RPM	183
SSS	W-13-4	8/26/19	1810 DIEFENBACH RD	280672	14635	26140	8	DIP	166
SSS	W-13-2	8/27/19	851 N RED BANK RD	11494	11402	13699	8	VCP	281
SSS	W-13-2	8/27/19	851 N RED BANK RD	11495	11494	13712	8	VCP	216
SSS	W-13-2	8/27/19	850 N RED BANK RD	11491	138991	15667	12	VCP	85
SSS	W-13-2	8/27/19	851 N RED BANK RD	11496	11495	21810	8	VCP	269
SSS	W-13-2	8/27/19	711 N RED BANK RD	11497	11496	21811	8	VCP	154
SSS	W-13-2	8/27/19	715 N BOEHNE CAMP RD	11476	283923	22284	8	VCP	541
SSS	W-13-2	8/27/19	898 N RED BANK RD	11490	11491	22935	12	VCP	431
SSS	W-13-2	8/27/19	850 N RED BANK RD	138991	11493	22936	12	VCP	242
SSS	W-13-2	8/27/19	850 N RED BANK RD	11493	11402	24022	12	VCP	366
SSS	W-13-2	8/27/19	815 N BOEHNE CAMP RD	283923	11477	30489	8	VCP	160
SSS	W-13-4	8/27/19	1721 DIEFENBACH RD	14635	14634	10693	8	RPM	65
SSS	W-13-4	8/27/19	1721 DIEFENBACH RD	14634	14633	10692	8	RPM	109
SSS	W-13-4	8/27/19	5501 UPPER MT VERNON RD	CO	11350	29140	8	RPM	80
SSS	W-13-3	8/27/19	3860 CLEMENT ST	283991	11415	30585	8	VCP	249
SSS	W-13-4	8/27/19	1302 TUPMAN RD	11388	11387	15618	12	RPM	330
SSS	W-13-4	8/27/19	1420 TUPMAN RD	11390	11388	15619	12	RPM	242
SSS	W-13-3	8/27/19	3800 CLEMENT ST	11412	283991	27227	8	VCP	341
SSS	W-13-3	8/27/19	3860 CLEMENT ST	11415	ATC	27228	8	VCP	125
SSS	W-13-4	8/27/19	1302 TUPMAN RD	11387	11386	15632	12	RPM	86
SSS	W-13-2	8/28/19	851 N RED BANK RD	14603	14604	12732	8	RPM	226
SSS	W-13-2	8/28/19	851 N RED BANK RD	14604	14606	13710	8	RPM	396
SSS	W-13-3	8/28/19	3900 WESTERN AVE	11416	11417	13729	8	VCP	168
SSS	W-13-2	8/28/19	851 N RED BANK RD	11402	14606	24018	12	VCP	426
SSS	W-13-2	8/28/19	851 N RED BANK RD	14606	14600	24019	12	VCP	372
SSS	W-13-2	8/28/19	851 N RED BANK RD	14600	11544	24021	12	VCP	434
SSS	W-13-4	8/28/19	1302 TUPMAN RD	11386	280705	15633	10	RPM	206
SSS	W-13-4	8/28/19	1212 TUPMAN RD	280705	11384	31067	10	RPM	107
SSS	W-13-4	8/28/19	1212 TUPMAN RD	11384	280704	31068	10	RPM	140
SSS	W-13-4	8/28/19	1200 TUPMAN RD	280704	11381	15621	10	RPM	180

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-3	8/28/19	1113 N WERNER AVE	127999	11434	13757	8	VCP	194
SSS	W-13-4	8/28/19	5119 UPPER MOUNT VERNON RD	11381	11382	15617	12	RPM	60
SSS	W-13-4	8/28/19	5101 UPPER MOUNT VERNON RD	11382	138038	15634	12	RPM	49
SSS	W-13-2	8/29/19	617 N RED BANK RD	11501	11499	13655	8	VCP	196
SSS	W-13-2	8/29/19	711 N RED BANK RD	AEP	11497	13804	8	VCP	36
SSS	W-13-3	8/29/19	3923 CLEMENT ST	14566	14564	13765	8	RPM	164
SSS	W-13-3	8/29/19	3923 CLEMENT ST	CO	14566	13766	8	PVC	96
SSS	W-13-3	8/29/19	3923 CLEMENT ST	14565	14564	13764	8	PVC	201
SSS	W-13-3	8/30/19	1113 N WERNER AVE	11416	11434	13728	8	VCP	479
SSS	W-9-1	8/31/19	1931 ALLENS LN	282150	282149	28718	8	PVC	143
SSS	W-13-1	9/3/19	4829 4865 LLOYD EXPY	14787	14614	23797	12	RCP	312
SSS	W-13-1	9/3/19	N RED BANK RD	14786	14787	23802	12	VCP	335
SSS	W-13-1	9/3/19	4595 UNIVERSITY DR	123845	11532	24953	12	RCP	342
SSS	W-13-3	9/3/19	4112 WOLCOTT ST	11583	100037	13373	8	VCP	253
SSS	W-13-3	9/3/19	4020 WOLCOTT ST	11584	11583	13374	8	VCP	303
SSS	W-13-3	9/3/19	4011 WOLCOTT ST	11585	11584	13375	8	VCP	324
SSS	W-13-3	9/3/19	4104 GAYNE AVE	11557	11556	13370	8	VCP	379
SSS	W-13-3	9/3/19	4104 GAYNE AVE	AEP	11557	13371	8	VCP	3
SSS	W-13-1	9/4/19	4595 UNIVERSITY DR	14615	14616	23243	12	RCP	329
SSS	W-13-1	9/4/19	120 N ROSENBERGER AVE	14617	123845	23798	12	RCP	327
SSS	W-13-3	9/4/19	3923 CLEMENT ST	127998	7219	13761	8	VCP	22
SSS	W-13-3	9/4/19	3923 CLEMENT ST	281540	127998	27252	8	VCP	100
SSS	W-13-3	9/4/19	3919 CLEMENT ST	127997	281540	23784	8	VCP	86
SSS	W-13-3	9/5/19	421 VANNESS AVE	CO	11551	13368	8	VCP	216
SSS	W-13-3	9/5/19	908 CRAIG AVE	11602	281182	23776	8	VCP	353
SSS	W-13-3	9/5/19	421 VANNESS AVE	11551	11552	13388	8	VCP	231
SSS	W-13-3	9/5/19	421 VANNESS AVE	11550	11551	13366	8	VCP	131
SSS	W-13-4	9/5/19	5210 MELODY LN	11397	283529	15624	10	RPM	367
SSS	W-13-4	9/5/19	5601 OLD FARM RD	11397	283529	30064	10	RPM	149
SSS	W-13-4	9/5/19	5601 OLD FARM RD	11396	11395	15625	10	RPM	395
SSS	W-13-4	9/5/19	1600 TUPMAN RD	11395	11394	15626	10	RPM	412
SSS	W-13-3	9/5/19	4100 CORT ST	11549	11550	13367	8	VCP	187
SSS	W-13-3	9/6/19	3919 CLEMENT ST	AEP	281540	30488	8	VCP	50
SSS	W-12-6	9/6/19	327 KEY WEST DR	14939	14938	13231	8	RPM	89
SSS	W-13-3	9/6/19	4004 W MARYLAND ST	281182	11603	26847	8	VCP	346
SSS	W-13-3	9/6/19	4108 WESTERN AVE	11603	11445	23780	8	VCP	416

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-2	9/7/19	636 WINSTEAD WAY	14601	14602	12730	8	PVC	389
SSS	W-13-2	9/7/19	510 WINSTEAD WAY	123855	14601	12739	8	PVC	147
SSS	W-13-1	9/7/19	429 RED BANK RD	11502	123851	13662	8	RPM	453
SSS	W-13-1	9/7/19	100 S ROSENBERGER AVE	11542	11543	24946	15	RCP	35
SSS	W-13-1	9/7/19	100 S ROSENBERGER AVE	11541	11542	24949	15	RCP	194
SSS	W-13-4	9/7/19	3008 N RED BANK RD	AEP	11349	12794	12	VCP	260
SSS	W-13-3	9/7/19	4016 UPPER MT. VERNON AVE	11580	11581	13379	8	VCP	325
SSS	W-13-4	9/7/19	5319 WEST HAVEN DR	129354	129353	13853	8	VCP	71
SSS	W-13-4	9/7/19	5319 WEST HAVEN DR	AEP	129354	13860	8	VCP	57
SSS	W-13-4	9/7/19	2614 MEADOW LARK LN	129353	129352	13854	8	VCP	155
SSS	W-13-3	9/7/19	4028 UPPER MT. VERNON RD.	11579	11581	13385	8	VCP	146
SSS	W-13-3	9/7/19	4028 UPPER MT. VERNON RD.	11578	11579	13381	8	VCP	162
SSS	W-13-2	9/9/19	716 WINSTEAD WAY	14602	14603	12731	8	PVC	280
SSS	W-13-2	9/9/19	4740 UPPER MOUNT VERNON RD	14605	14606	13705	8	RPM	144
SSS	W-13-2	9/9/19	4740 UPPER MOUNT VERNON RD	14607	14605	13706	8	RPM	152
SSS	W-13-2	9/9/19	4740 UPPER MOUNT VERNON RD	14608	14607	13707	8	RPM	271
SSS	W-13-2	9/9/19	4804 UPPER MOUNT VERNON RD	14609	14607	13708	8	RPM	256
SSS	W-13-2	9/9/19	4920 UPPER MOUNT VERNON RD	282635	282636	29200	8	RPM	324
SSS	W-13-2	9/9/19	4838 UPPER MOUNT VERNON RD	282636	14609	29201	8	RPM	97
SSS	W-12-3	9/9/19	4825 BROADWAY AVE	14664	1490	15599	15	RCP	188
SSS	W-13-4	9/9/19	5403 UPPER MOUNT VERNON RD	11391	284358	31073	10	RPM	292
SSS	W-13-4	9/9/19	5403 UPPER MOUNT VERNON RD	284358	11390	15628	10	RPM	131
SSS	W-13-4	9/9/19	1600 TUPMAN RD	11392	11391	15630	10	RPM	303
SSS	W-13-3	9/9/19	3916 WESTERN AVE	11417	37358	14765	10	VCP	380
SSS	W-13-4	9/9/19	1600 TUPMAN RD	11393	11392	15629	10	RPM	314
SSS	E-10-1	9/10/19	3725 E DIAMOND AVE	5705	5706	24058	8	VCP	312
SSS	W-13-3	9/10/19	4108 WESTERN AVE	11425	11445	15703	12	VCP	236
SSS	W-13-3	9/10/19	4220 WESTERN AVE	11576	281888	13709	8	VCP	199
SSS	W-13-3	9/11/19	4360 UPPER MOUNT VERNON AVE	11590	11591	13717	12	VCP	280
SSS	W-13-3	9/11/19	4360 UPPER MOUNT VERNON AVE	11591	11560	15700	12	VCP	388
SSS	W-13-1	9/11/19	W LLOYD EXPY	11212	11211	24944	15	RCP	285
SSS	W-13-1	9/11/19	100 S ROSENBERGER AVE	11543	11212	24945	15	RCP	140
SSS	W-13-1	9/11/19	3931 W LLOYD EXPY	284359	170840	26216	8	RPM	145
SSS	W-13-1	9/11/19	3931 W LLOYD EXPY	280729	284359	31074	8	RPM	98
SSS	W-13-3	9/11/19	4360 UPPER MOUNT VERNON RD	100039	11590	13714	12	VCP	188
SSS	W-13-3	9/11/19	4360 UPPER MOUNT VERNON AVE	100040	100039	13715	12	VCP	35

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-1	9/11/19	4016 BROADWAY AVE	AEP	170361	26774	8	PVC	75
SSS	W-13-3	9/11/19	4000 W COLUMBIA ST	282928	11596	29511	8	VCP	134
SSS	W-13-3	9/11/19	4000 W COLUMBIA ST	11596	11597	23189	8	VCP	313
SSS	W-13-4	9/11/19	2626 MEADOW LARK LN	CO	129352	13855	8	VCP	224
SSS	W-13-3	9/11/19	4108 W COLUMBIA ST	11604	11597	13732	8	VCP	47
SSS	W-13-3	9/11/19	4380 UPPER MOUNT VERNON AVE	11560	11559	15699	12	VCP	414
SSS	W-13-2	9/12/19	800 N BOEHNE CAMP RD	133658	133661	13799	8	VCP	90
SSS	W-13-2	9/12/19	800 N BOEHNE CAMP RD	133659	283837	13800	8	VCP	69
SSS	W-13-2	9/12/19	815 N BOEHNE CAMP RD	133661	11478	14179	8	VCP	199
SSS	W-13-2	9/12/19	800 N BOEHNE CAMP RD	283837	133658	22278	8	VCP	116
SSS	W-13-3	9/12/19	3925 UPPER MOUNT VERNON RD	11595	282928	23188	8	VCP	111
SSS	W-13-3	9/12/19	4112 CORT ST	284364	11553	13389	12	VCP	54
SSS	W-13-3	9/12/19	4300 WESTERN AVE	281888	11574	28457	8	VCP	6
SSS	E-10-1	9/12/19	2308 TARRY LN	5698	5699	24057	8	VCP	150
SSS	E-10-1	9/12/19	3728 PARK RIDGE DR	CO	4446	8229	8	RPM	74
SSS	W-13-2	9/13/19	815 N BOEHNE CAMP RD	11479	11480	14164	10	VCP	310
SSS	W-13-2	9/13/19	815 N BOEHNE CAMP RD	11478	11479	11975	10	RPM	36
SSS	W-13-2	9/13/19	815 N BOEHNE CAMP RD	11480	11481	14168	10	VCP	203
SSS	W-13-2	9/13/19	815 N BOEHNE CAMP RD	11482	11483	14169	10	VCP	265
SSS	W-13-2	9/13/19	815 N BOEHNE CAMP RD	11481	11482	14170	10	VCP	129
SSS	W-13-3	9/13/19	1319 GENESTA DR	AEP	280652	26125	8	VCP	142
SSS	E-11-8	9/13/19	6800 N GREEN RIVER RD	281195	281194	26891	8	RPM	340
SSS	E-11-8	9/13/19	6630 VIETH LN	281194	281193	26890	8	RPM	416
SSS	W-13-3	9/13/19	1112 N WERNER	11434	127989	13746	8	VCP	56
SSS	W-12-2	9/14/19	4316 PENNINGTON AVE	283088	11322	23645	8	VCP	297
SSS	W-12-2	9/14/19	4300 PENNINGTON AVE	CO	11322	23638	8	VCP	234
SSS	W-13-3	9/14/19	4211 WESTERN AVE	11572	ATC	29441	8	VCP	49
SSS	W-13-3	9/14/19	3901 UPPER MOUNT VERNON RD	11586	11585	13382	8	VCP	70
SSS	W-13-3	9/14/19	3901 UPPER MOUNT VERNON RD	11587	11586	13384	8	VCP	225
SSS	W-13-2	9/16/19	815 N BOEHNE CAMP RD	11484	11485	13682	10	VCP	269
SSS	W-13-2	9/16/19	815 N BOEHNE CAMP RD	11485	11487	13684	10	VCP	289
SSS	W-13-2	9/16/19	815 N BOEHNE CAMP RD	11483	11484	14171	10	VCP	345
SSS	W-13-2	9/16/19	UPPER MT VERNON RD	11488	11489	22937	10	VCP	403
SSS	W-13-2	9/16/19	815 N BOEHNE CAMP RD	11487	11488	22938	10	VCP	355
SSS	W-13-3	9/16/19	850 UPPER MOUNT VERNON RD	11598	11599	23187	8	VCP	261
SSS	W-13-2	9/16/19	898 N RED BANK RD	11489	11490	24017	10	VCP	389

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-8	9/16/19	6536 VIETH LN	281193	281192	26889	8	RPM	286
SSS	E-11-8	9/16/19	6514 VIETH LN	281192	281191	26888	8	RPM	402
SSS	W-13-3	9/16/19	4317 UPPER MOUNT VERNON AVE	11588	100040	13716	12	VCP	112
SSS	E-11-8	9/16/19	6416 VIETH LN	281191	281190	26887	8	RPM	393
SSS	W-13-3	9/16/19	4317 UPPER MOUNT VERNON AVE.	11574	11588	13713	12	VCP	232
SSS	E-11-8	9/16/19	6316 VIETH LN	281190	281189	26886	10	RPM	49
SSS	E-11-8	9/16/19	6316 VIETH LN	281189	283592	30116	10	RPM	8
SSS	E-11-8	9/16/19	6316 VIETH LN	283592	82194	26885	10	RPM	107
SSS	W-13-3	9/16/19	851 UPPER MOUNT VERNON RD	11597	11598	23186	8	VCP	197
SSS	W-9-4	9/17/19	2400 N SAINT JOSEPH AVE	4745	169868	13583	12	RPM	341
SSS	W-13-1	9/17/19	111 N RED BANK RD	14612	14613	13657	8	PVC	89
SSS	W-13-1	9/17/19	111 N RED BANK RD	AEP	11504	13658	8	PVC	181
SSS	W-13-1	9/17/19	111 N RED BANK RD	11504	14612	13660	8	PVC	249
SSS	E-10-3	9/17/19	4005 HUNTERS TRACE	73818	281890	15406	15	CAS	22
SSS	W-13-3	9/17/19	4112 CORT ST	11552	11553	13387	8	VCP	228
SSS	W-13-3	9/17/19	4200 UPPER MOUNT VERNON RD	284364	11554	15590	15	RPM	144
SSS	W-12-3	9/17/19	722 JOBES LN	AEP	124289	22907	8	VCP	154
SSS	W-12-1	9/17/19	4411 OGDEN AVE	15448	15449	15664	12	RCP	418
SSS	W-13-2	9/18/19	4636 HOGLUE RD	11545	11546	24013	15	VCP	389
SSS	W-13-2	9/18/19	4301 HOGLUE RD	100042	11548	24015	15	VCP	411
SSS	W-13-2	9/18/19	4636 HOGLUE RD	11546	100042	24016	15	VCP	389
SSS	W-13-2	9/18/19	4641 LAMB LN	11544	11545	24020	15	VCP	390
SSS	W-12-3	9/18/19	650 FLATROCK	14705	14681	14025	8	PVC	319
SSS	E-11-8	9/18/19	4201 COBBLEFIELD DR	12663	12628	8785	10	RPM	187
SSS	W-12-3	9/18/19	650 FLATROCK	14681	14682	14020	8	PVC	78
SSS	E-11-7	9/18/19	4017 COBBLEFIELD DR	12628	82365	11663	10	RPM	215
SSS	W-12-1	9/18/19	4410 BERNICE DR	15449	15450	15663	12	RCP	284
SSS	E-11-7	9/18/19	3819 COBBLEFIELD DR	82365	12638	11662	10	RPM	399
SSS	E-11-7	9/18/19	3809 COBBLEFIELD DR	12638	12681	8738	10	RPM	137
SSS	W-12-3	9/18/19	650 FLAT ROCK	14682	14680	14021	10	RPM	210
SSS	E-11-7	9/18/19	5737 FLAGSTONE DR	12681	12629	8763	10	RPM	178
SSS	E-11-7	9/18/19	5629 FLAGSTONE DR	12629	12635	8766	10	RPM	347
SSS	E-11-7	9/18/19	3808 COBBLEFIELD DR	12627	12638	8739	10	RPM	196
SSS	E-11-7	9/18/19	5909 FLAGSTONE DR	12686	12627	8772	10	RPM	183
SSS	E-11-8	9/19/19	5834 SHOREHAM DR	12668	12712	8553	10	RPM	152
SSS	W-12-3	9/19/19	650 FLAT ROCK	14704	14705	14024	8	RPM	181

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-12-3	9/19/19	5505 MIDDLE MOUNT VERNON RD	14680	14679	14019	10	RPM	266
SSS	W-12-1	9/19/19	1701 S RED BANK RD	15450	1483	15665	12	RCP	654
SSS	E-11-8	9/19/19	5800 PORTERFIELD DR	82189	82188	14210	8	RPM	114
SSS	E-11-8	9/19/19	4310 RIMRIDGE DR	12713	12668	8554	10	PVC	277
SSS	E-11-8	9/19/19	5810 PORTERFIELD DR	82188	82187	14211	8	RPM	232
SSS	E-11-8	9/19/19	5828 PORTERFIELD DR	82187	82186	14212	8	RPM	312
SSS	E-11-8	9/19/19	4400 RIMRIDGE DR	16354	12713	8484	10	RPM	252
SSS	W-13-2	9/20/19	411 WESTMORE DR	11454	11457	21541	10	RPM	431
SSS	W-13-2	9/20/19	410 WESTMORE DR	11457	123637	21542	10	RPM	189
SSS	W-13-2	9/20/19	700 N BOEHNE CAMP RD	11456	11465	21546	10	RPM	251
SSS	W-13-2	9/20/19	700 N BOEHNE CAMP RD	11465	11466	21549	10	RPM	291
SSS	W-13-2	9/20/19	700 N BOEHNE CAMP RD	123637	11456	21550	10	RPM	39
SSS	E-11-8	9/20/19	6323 KINWAY DR	282653	282763	29229	8	PVC	122
SSS	E-11-8	9/20/19	3610 YANKEE DR	282663	282664	29218	8	PVC	71
SSS	E-11-8	9/20/19	3630 YANKEE DR	282664	282662	29219	8	PVC	176
SSS	E-11-8	9/20/19	3700 YANKEE DR	282662	282661	29220	8	PVC	93
SSS	E-11-8	9/20/19	6615 KINWAY	282661	282660	29221	8	PVC	130
SSS	E-11-7	9/20/19	6041 FLAGSTONE DR	12694	12689	8847	10	RPM	139
SSS	E-11-7	9/20/19	6101 FLAGSTONE DR	12695	12694	8848	10	RPM	90
SSS	E-11-8	9/20/19	6601 KINWAY DR	282659	282660	29222	8	PVC	362
SSS	E-11-8	9/20/19	6601 KINWAY DR	282660	282658	29223	8	PVC	325
SSS	E-11-7	9/20/19	6111 FLAGSTONE DR	12705	12695	8850	10	RPM	277
SSS	E-11-8	9/20/19	6501 KINWAY DR	282658	282655	29225	8	PVC	248
SSS	E-11-8	9/20/19	6411 KINWAY DR	282655	282654	29226	8	PVC	97
SSS	E-11-7	9/20/19	6141 FLAGSTONE DR	12706	12705	8851	10	RPM	94
SSS	E-11-8	9/20/19	6401 KINWAY DR	282654	282653	29228	8	PVC	179
SSS	E-11-7	9/20/19	6201 FLAGSTONE DR	12685	12706	8852	10	RPM	167
SSS	W-13-1	9/23/19	5506 DOGWOOD DR	14350	14349	14781	10	RPM	304
SSS	W-13-2	9/23/19	5100 UPPER MT VERNON RD	138039	11383	15635	12	RPM	186
SSS	W-13-2	9/23/19	5100 UPPER MT VERNON RD	138038	138039	15636	12	RPM	12
SSS	W-13-2	9/23/19	5020 UPPER MT VERNON RD	11383	138991	15666	12	RPM	272
SSS	E-11-8	9/23/19	6501 KINWAY DR	282657	282658	29224	8	PVC	368
SSS	E-11-7	9/23/19	5818 CREEKSTONE DR	12654	12653	8780	8	RPM	179
SSS	E-11-8	9/23/19	6401 KINWAY DR	282656	282654	29227	8	PVC	401
SSS	E-11-7	9/23/19	5816 LEDGESTONE DR	12653	12639	8758	8	RPM	331
SSS	E-11-8	9/23/19	6333 KINWAY DR	282652	282653	29231	8	PVC	132

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-7	9/23/19	3333 COBBLEFIELD DR	12639	12640	8781	8	RPM	339
SSS	E-11-8	9/23/19	3434 HECKEL RD	283451	283452	29999	8	PVC	114
SSS	E-11-7	9/23/19	3301 COBBLEFIELD DR	12640	12641	8755	8	RPM	290
SSS	E-11-7	9/23/19	3247 COBBLEFIELD DR	12641	12642	8745	8	RPM	86
SSS	E-11-8	9/23/19	3434 HECKEL RD	283452	283453	30000	8	PVC	246
SSS	E-11-8	9/23/19	3436 HECKEL RD	283453	282651	30001	8	PVC	96
SSS	E-11-7	9/23/19	3247 COBBLEFIELD DR	281905	12641	28480	8	RPM	183
SSS	E-11-8	9/23/19	3436 HECKEL RD	282651	282652	29230	8	PVC	402
SSS	E-11-8	9/23/19	3434 HECKEL RD	284085	283452	30700	8	PVC	60
SSS	E-11-7	9/23/19	3220 COBBLEFIELD DR	12642	12643	8746	8	RPM	261
SSS	E-11-7	9/23/19	3233 KEYSTONE HILLS DR	12643	12644	8749	8	RPM	58
SSS	E-11-8	9/23/19	6100 SHOREHAM DR	12664	12717	8822	10	RPM	402
SSS	E-11-8	9/23/19	6100 SHOREHAM DR	12717	12718	8824	10	RPM	153
SSS	E-11-8	9/23/19	6100 SHOREHAM DR	12716	12717	8825	8	RPM	55
SSS	E-11-8	9/23/19	6212 SHOREHAM DR	CO	12664	8555	8	RPM	118
SSS	W-13-2	9/24/19	800 N BOEHNE CAMP RD	133660	133659	13801	8	VCP	27
SSS	W-13-1	9/24/19	125 N ROSENBERGER AVE	11534	11533	24958	15	VCP	295
SSS	E-11-8	9/24/19	6101 SHOREHAM DR	12665	12716	8823	10	RPM	403
SSS	E-11-8	9/24/19	6211 SHOREHAM DR	CO	12665	8556	8	RPM	117
SSS	E-11-8	9/24/19	4134 MARSHFIELD DR	12715	12718	8571	10	RPM	242
SSS	E-11-8	9/24/19	6000 SHOREHAM DR	CO	12715	8559	8	RPM	45
SSS	E-11-8	9/24/19	4134 MARSHFIELD DR	12672	12718	8561	10	RPM	221
SSS	E-11-7	9/24/19	3511 KEYSTONE HILLS DR	12658	12659	8762	10	PVC	204
SSS	E-11-8	9/24/19	4222 MARSHFIELD DR	12673	12672	8560	10	RPM	282
SSS	E-11-7	9/24/19	3433 KEYSTONE HILLS DR	12659	12648	8754	10	PVC	184
SSS	E-11-7	9/24/19	3415 KEYSTONE HILLS DR	12648	12647	8753	10	PVC	123
SSS	E-11-8	9/24/19	4314 MARSHFIELD DR	12674	12673	8558	10	RPM	62
SSS	E-11-7	9/24/19	3329 KEYSTONE DR	12647	12646	8752	10	PVC	100
SSS	E-11-8	9/24/19	4134 MARSHFIELD DR	12718	12670	8562	10	RPM	231
SSS	E-11-7	9/24/19	3315 KEYSTONE HILLS DR	12646	12645	8751	10	PVC	282
SSS	E-11-7	9/24/19	3243 KEYSTONE HILLS DR	12645	12644	8750	10	PVC	62
SSS	E-11-8	9/24/19	4114 MARSHFIELD DR	12670	12671	8734	10	RPM	281
SSS	E-11-8	9/24/19	4030 MARSHFIELD DR	CO	12671	8394	8	RPM	130
SSS	E-11-8	9/24/19	4030 MARSHFIELD DR	12671	12679	8735	10	RPM	107
SSS	E-11-8	9/24/19	6010 LONG POND WAY	12679	12722	8784	10	RPM	123
SSS	E-11-8	9/24/19	6000 LONG POND WAY	12722	12723	8783	10	RPM	330

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-3	9/24/19	4200 UPPER MOUNT VERNON RD	11559	11558	15604	12	VCP	289
SSS	W-13-3	9/24/19	4200 UPPER MOUNT VERNON RD	11558	282924	29507	12	PVC	42
SSS	E-11-8	9/24/19	5808 LONG POND WAY	12723	12663	8732	10	PVC	212
SSS	E-11-8	9/24/19	5808 LONG POND WAY	12724	12663	8733	10	RPM	128
SSS	E-11-8	9/24/19	5800 LONG POND WAY	12709	12724	8736	10	RPM	135
SSS	E-11-7	9/25/19	5723 SANDRIDGE DR	12649	12648	8747	8	PVC	148
SSS	W-13-1	9/25/19	300 N RED BANK RD	14620	14619	12748	8	PVC	184
SSS	W-13-2	9/25/19	525 N RED BANK RD	123854	11500	13653	8	VCP	28
SSS	W-13-2	9/25/19	851 N RED BANK RD	14599	14600	13711	8	RPM	369
SSS	E-11-7	9/25/19	5801 SANDRIDGE DR	12650	12649	8748	8	RPM	135
SSS	E-11-8	9/26/19	6002 WINNETT DR	12680	12707	8568	10	RPM	210
SSS	E-11-8	9/26/19	5916 WINNETT DR	12707	12710	8563	8	RPM	374
SSS	W-13-3	9/26/19	4112 CORT ST	11555	284364	31081	12	VCP	172
SSS	E-11-8	9/26/19	5802 WINNETT DR	12710	12708	8566	10	RPM	211
SSS	E-11-7	9/26/19	3643 KEYSTONE HILLS DR	12634	12633	8744	10	RPM	167
SSS	E-11-8	9/26/19	5750 SHOREHAM DR	12711	12708	8565	10	RPM	312
SSS	E-11-7	9/26/19	5601 FLAGSTONE DR	12635	12634	8743	10	RPM	151
SSS	E-11-8	9/26/19	5746 WINNETT DR	12708	12709	8564	10	RPM	283
SSS	E-11-8	9/26/19	5816 SHOREHAM DR	12712	12711	8569	10	RPM	255
SSS	E-11-7	9/26/19	3633 KEYSTONE HILLS DR	12633	12632	8765	10	PVC	178
SSS	E-11-8	9/26/19	5816 SHOREHAM DR	12714	12712	8570	8	RPM	101
SSS	E-11-7	9/26/19	3611 KEYSTONE HILLS DR	12632	12631	8742	10	RPM	188
SSS	E-11-8	9/26/19	5900 SHOREHAM DR	12721	12714	8567	8	RPM	230
SSS	E-11-7	9/26/19	3545 KEYSTONE HILLS DR	12631	12657	8741	10	RPM	208
SSS	E-11-7	9/26/19	3500 KEYSTONE HILLS DR	12657	12658	8759	10	RPM	198
SSS	E-11-8	9/26/19	4310 RIMRIDGE DR	12667	12668	12148	8	RPM	154
SSS	E-11-8	9/26/19	4310 RIMRIDGE DR	284365	12667	12147	8	RPM	242
SSS	E-11-8	9/26/19	4310 RIMRIDGE DR	CO	12667	12146	8	RPM	54
SSS	E-11-8	9/26/19	5649 QUAKERBRIDGE DR	82205	16360	14244	8	RPM	150
SSS	E-11-8	9/26/19	5649 QUAKERBRIDGE DR	82206	82205	14243	8	RPM	58
SSS	E-11-8	9/26/19	5649 QUAKERBRIDGE DR	16359	16360	8578	8	RPM	244
SSS	E-11-7	9/26/19	5939 FLAGSTONE DR	12691	12688	8771	8	RPM	289
SSS	E-11-8	9/26/19	5649 QUAKERBRIDGE DR	16360	16361	8579	8	RPM	167
SSS	E-11-7	9/26/19	3715 BRAYDEN DR	12687	12691	8770	8	RPM	313
SSS	E-11-8	9/27/19	6000 SHOREHAM DR	12719	12715	8572	8	RPM	208
SSS	E-11-8	9/27/19	4231 MARSHFIELD DR	12720	12719	8573	8	RPM	169

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-8	9/27/19	5620 DRAKEWICK DR	16362	16363	8486	8	RPM	62
SSS	E-11-8	9/27/19	5615 QUAKERBRIDGE DR	16361	16362	8485	8	RPM	68
SSS	E-11-8	9/27/19	5620 DRAKEWICK DR	16363	16364	8487	8	RPM	152
SSS	E-11-8	9/27/19	5700 DRAKEWICK DR	16364	16365	8488	8	RPM	147
SSS	E-11-8	9/27/19	5740 DRAKEWICK DR	16365	16366	8580	8	RPM	173
SSS	E-11-8	9/27/19	5740 DRAKEWICK DR	16366	16354	8581	8	RPM	238
SSS	E-11-8	9/27/19	4550 RIMRIDGE DR	16358	16357	8577	8	RPM	68
SSS	E-11-8	9/27/19	4544 RIMRIDGE DR	16357	16356	8576	8	RPM	252
SSS	E-11-8	9/27/19	4518 RIMRIDGE DR	16356	16355	8575	8	RPM	155
SSS	E-11-8	9/27/19	4500 RIMRIDGE DR	16355	16354	8574	8	RPM	102
SSS	E-11-8	9/27/19	6800 N GREEN RIVER RD	281200	281199	26893	8	RPM	251
SSS	E-11-8	9/27/19	6800 N GREEN RIVER RD	281199	281195	26892	8	RPM	383
SSS	E-11-8	9/27/19	6800 N GREEN RIVER RD	281197	281198	26896	8	RPM	263
SSS	E-11-8	9/27/19	6800 N GREEN RIVER RD	281197	281196	26895	8	RPM	149
SSS	E-11-8	9/27/19	6800 N GREEN RIVER RD	281196	281195	26894	8	RPM	297
SSS	E-11-8	9/28/19	4314 MARSHFIELD DR	12676	12673	8551	10	RPM	403
SSS	E-11-8	9/28/19	6132 EASTBOURNE DR	CO	12676	8549	8	RPM	112
SSS	E-11-8	9/28/19	6207 EASTBOURNE DR	12669	12677	8547	10	PVC	35
SSS	E-11-8	9/28/19	6217 EASTBOURNE DR	CO	12669	8548	8	SP	44
SSS	E-11-8	9/28/19	6207 EASTBOURNE DR	12677	12675	8550	10	RPM	122
SSS	E-11-8	9/28/19	6131 EASTBOURNE DR	12675	12674	8552	10	RPM	402
SSS	E-11-8	9/28/19	6039 EASTBOURNE DR	12662	12674	8557	8	RPM	344
SSS	E-11-8	9/28/19	4411 SAYBROOK DR	82181	82182	14216	8	RPM	387
SSS	E-11-8	9/28/19	5940 DELK DR	82180	82179	14220	8	RPM	333
SSS	E-11-8	9/28/19	6050 DELK DR	82179	82178	14221	8	RPM	288
SSS	E-11-7	9/30/19	3701 ROLLING ROCK DR	CO	12630	28490	8	RPM	61
SSS	E-11-7	9/30/19	3701 ROLLING ROCK DR	12630	12629	8737	8	RPM	381
SSS	E-11-8	10/1/19	6220 DELK DR	283110	82177	14223	8	RPM	59
SSS	E-11-8	10/1/19	6220 DELK DR	82178	82177	14222	8	RPM	273
SSS	E-11-8	10/1/19	6220 DELK DR	82177	82176	14224	8	RPM	292
SSS	E-11-8	10/1/19	4514 LANGLY CT	82176	82175	14225	8	RPM	189
SSS	E-11-7	10/1/19	5601 OAKHILL RD	12573	281961	8674	10	PVC	11
SSS	E-11-7	10/1/19	5601 OAKHILL RD	12571	12572	8678	8	RPM	395
SSS	E-11-7	10/1/19	5600 OAKHILL RD	12583	12582	8683	8	RPM	272
SSS	E-11-7	10/1/19	5601 OAKHILL RD	12572	281961	8684	8	RPM	397
SSS	E-11-7	10/1/19	5600 OAKHILL RD	12581	12572	8685	8	RPM	77

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewered	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-7	10/1/19	5600 OAKHILL RD	12582	12581	8687	8	RPM	274
SSS	E-11-7	10/1/19	5720 OAKHILL RD	281960	281959	28545	8	RPM	49
SSS	E-11-7	10/1/19	5720 OAKHILL RD	281959	281958	28546	8	RPM	402
SSS	E-11-7	10/1/19	5601 OAKHILL RD	281958	281961	28548	8	RPM	88
SSS	E-11-8	10/1/19	4546 LANGLY CT	82175	82193	14226	8	RPM	210
SSS	E-11-8	10/1/19	4515 SAYBROOK DR	82182	82183	14217	8	RPM	355
SSS	E-11-8	10/1/19	4540 SAYBROOK DR	82183	82184	14218	8	RPM	118
SSS	E-11-7	10/2/19	3731 SANDSTONE CT	12701	12697	8843	8	RPM	197
SSS	E-11-7	10/2/19	3742 SANDSTONE CT	12703	12701	8845	8	RPM	204
SSS	E-11-8	10/2/19	6100 PORTERFIELD DR	82184	82185	14219	8	RPM	364
SSS	E-11-7	10/2/19	3714 SANDSTONE CT	12702	12701	8844	8	RPM	238
SSS	E-11-8	10/2/19	6100 PORTERFIELD DR	82185	82190	14214	8	RPM	239
SSS	E-11-8	10/2/19	6100 PORTERFIELD DR	82186	82185	14213	8	RPM	376
SSS	E-11-7	10/2/19	3637 SANDSTONE CT	12698	12697	8840	8	RPM	374
SSS	E-11-8	10/2/19	6116 PORTERFIELD DR	82190	82191	14215	8	RPM	99
SSS	E-11-7	10/2/19	3637 SANDSTONE CT	12697	12696	8841	8	RPM	220
SSS	E-11-8	10/2/19	6126 PORTERFIELD DR	82191	82192	14281	8	RPM	120
SSS	E-11-7	10/2/19	6210 PEBBLESTONE DR	12700	12698	8842	8	RPM	269
SSS	E-11-8	10/2/19	6125 PORTERFIELD DR	82199	82190	14233	8	RPM	179
SSS	E-11-8	10/2/19	4724 OLD TYME CT	82195	82193	28532	8	RPM	220
SSS	E-11-8	10/2/19	4720 LEGACY RUN	82192	82195	14282	8	RPM	99
SSS	E-11-7	10/2/19	6110 PEBBLESTONE DR	CO	283102	29695	8	RPM	134
SSS	E-11-7	10/2/19	6110 PEBBLESTONE DR	CO	283102	29694	8	RPM	82
SSS	E-11-7	10/2/19	6110 PEBBLESTONE DR	283102	12698	8846	8	RPM	54
SSS	E-11-8	10/3/19	6233 N GREEN RIVER RD	82203	82202	14229	8	RPM	52
SSS	E-11-8	10/3/19	6233 N GREEN RIVER RD	82202	82201	14230	8	RPM	299
SSS	E-11-7	10/3/19	5930 FLEMMING RD	84113	12704	8397	8	RPM	261
SSS	E-11-7	10/3/19	5940 FLEMMING DR	CO	12687	8773	8	RPM	103
SSS	E-11-7	10/3/19	5940 FLEMMING RD	12690	12687	8774	8	RPM	131
SSS	E-11-7	10/3/19	5930 FLEMMING DR	12704	12690	8775	8	RPM	142
SSS	E-11-7	10/3/19	6041 FLAGSTONE DR	12689	12688	8776	10	RPM	314
SSS	E-11-7	10/3/19	5939 FLAGSTONE DR	12688	12686	8777	10	RPM	146
SSS	E-11-7	10/3/19	6041 FLAGSTONE DR	12693	12692	8838	8	RPM	302
SSS	E-11-7	10/3/19	6041 FLAGSTONE DR	12692	12689	8839	8	RPM	295
SSS	E-11-7	10/3/19	6111 FLAGSTONE DR	12696	12695	8849	8	RPM	191
SSS	E-11-8	10/3/19	6233 N GREEN RIVER RD	279455	82203	24743	8	PVC	96

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-8	10/3/19	4736 HECKEL RD	82201	82194	14231	8	RPM	119
SSS	E-11-8	10/3/19	6233 N GREEN RIVER RD	82204	82203	14228	8	RPM	357
SSS	E-11-8	10/4/19	5717 HIGH TOWER DR	82210	82209	14239	8	RPM	320
SSS	E-11-8	10/4/19	5717 HIGH TOWER DR	82209	82208	14240	8	RPM	171
SSS	E-11-8	10/4/19	4620 OVERLOOK CIR	82208	82207	14241	8	RPM	165
SSS	E-11-8	10/4/19	4606 OVERLOOK CIR	82211	82207	14245	8	RPM	90
SSS	E-11-8	10/4/19	4606 OVERLOOK CIR	82207	82206	14242	8	RPM	106
SSS	E-11-7	10/5/19	5118 POISON IVY DR	83332	83333	8472	8	PVC	241
SSS	E-11-7	10/5/19	2909 IVY MEADOW DR	83333	83335	8476	8	RPM	282
SSS	E-11-7	10/5/19	3005 IVY MEADOW DR	83335	83337	8477	8	RPM	283
SSS	E-11-7	10/5/19	3015 IVY MEADOW DR	83337	281952	8478	8	RPM	76
SSS	E-11-7	10/5/19	5125 ENGLISH IVY DR	83334	83335	8473	8	RPM	244
SSS	E-11-7	10/5/19	5123 HEDERA DR	83336	83337	8474	8	RPM	246
SSS	W-13-2	10/7/19	815 N BOEHNE CAMP RD	11486	11485	13683	10	VCP	284
SSS	W-13-1	10/7/19	100 S ROSENBERGER AVE	11539	11540	24951	15	VCP	179
SSS	E-11-7	10/7/19	3809 COBBLEFIELD DR	12683	12682	8740	8	RPM	164
SSS	E-11-7	10/7/19	5601 FLAGSTONE DR	12636	12634	8767	8	RPM	237
SSS	E-11-7	10/7/19	5625 CREEKSTONE DR	CO	12636	8768	8	RPM	93
SSS	E-11-7	10/7/19	3809 COBBLE FIELD DR	12682	12681	8769	8	RPM	309
SSS	W-13-1	10/8/19	4829 4865 LLOYD EXPY	14614	14615	23242	12	RCP	397
SSS	W-13-1	10/8/19	41 LLOYD EXPY	170839	11212	24948	8	PVC	36
SSS	E-11-8	10/8/19	4546 LANGLY CT	82194	82193	14232	8	PVC	53
SSS	E-11-8	10/8/19	4546 LANGLY CT	82193	AWW	14227	8	RPM	9
SSS	E-11-8	10/8/19	4901 HECKEL RD	283092	283091	29683	8	PVC	89
SSS	E-11-8	10/8/19	4909 HECKEL RD	AEP	283092	29680	8	PVC	4
SSS	E-11-8	10/8/19	4901 HECKEL RD	283093	283091	29682	8	PVC	90
SSS	E-11-8	10/8/19	6401 N GREEN RIVER RD	AEP	283093	29681	8	PVC	6
SSS	E-11-8	10/8/19	4901 HECKEL RD	283091	283090	29684	8	PVC	240
SSS	E-11-8	10/8/19	6211 N GREEN RIVER RD	283090	283089	29685	8	PVC	43
SSS	E-11-8	10/8/19	6211 N GREEN RIVER RD	283089	279455	29686	8	PVC	27
SSS	E-11-8	10/8/19	4800 IRENE AVE	281681	279451	28187	8	PVC	90
SSS	E-11-8	10/8/19	5799 N GREEN RIVER RD	281682	279450	28188	8	PVC	71
SSS	E-11-8	10/8/19	5799 N GREEN RIVER RD	279450	279451	24706	8	PVC	43
SSS	E-11-8	10/8/19	5799 N GREEN RIVER RD	279449	281682	24705	8	PVC	386
SSS	E-11-7	10/8/19	3433 KEYSTONE HILLS DR	12651	12659	8757	8	RPM	124
SSS	E-11-7	10/8/19	5716 LEDGESTONE DR	12652	12651	8756	8	PVC	257

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-8	10/9/19	6001 N GREEN RIVER RD	279451	279452	24707	8	PVC	343
SSS	E-11-8	10/9/19	6001 N GREEN RIVER RD	279452	279453	24708	8	PVC	301
SSS	E-11-8	10/9/19	6111 N GREEN RIVER RD	279453	279454	24709	8	PVC	377
SSS	E-11-8	10/9/19	5621 N GREEN RIVER RD	281684	279449	28189	8	PVC	131
SSS	E-11-8	10/9/19	6201 N GREEN RIVER RD	279454	279455	24710	8	PVC	227
SSS	W-13-2	10/10/19	N RED BANK RD	11499	11498	13654	8	VCP	242
SSS	W-13-2	10/10/19	815 N BOEHNE CAMP RD	11467	11478	21539	10	RPM	36
SSS	W-13-2	10/10/19	815 N BOEHNE CAMP RD	11466	11467	21551	10	RPM	227
SSS	W-9-4	10/10/19	1612 N SAINT JOSEPH AVE	8155	8148	23082	8	VCP	177
SSS	W-13-3	10/10/19	3901 UPPER MOUNT VERNON RD	100038	11586	13383	8	VCP	396
SSS	E-11-7	10/10/19	5301 OAKHILL RD	12584	12571	8461	8	RPM	57
SSS	E-11-7	10/10/19	3041 IVY MEADOW DR	83338	83339	8475	8	RPM	386
SSS	E-11-7	10/10/19	3041 IVY MEADOW DR	83340	83338	8479	8	RPM	285
SSS	E-11-7	10/10/19	5301 OAKHILL RD	12585	12584	8710	8	RPM	211
SSS	E-11-7	10/10/19	3041 IVY MEADOW DR	281952	83338	28535	8	RPM	102
SSS	W-13-3	10/10/19	1410 TERRACE AVE	127994	284372	13756	8	VCP	495
SSS	W-13-3	10/11/19	4200 HOGUE RD	11548	11537	24014	15	VCP	283
SSS	W-13-3	10/11/19	4200 HOGUE RD	11536	11535	24960	15	VCP	34
SSS	W-13-3	10/11/19	4200 HOUGE	11537	11536	24961	15	VCP	256
SSS	W-13-3	10/14/19	1330 TERRACE AVE	284372	11415	31090	8	VCP	23
SSS	W-13-3	10/15/19	4100 WESTERN AVE	284374	11576	31094	8	VCP	207
SSS	E-11-7	10/15/19	3526 KEYSTONE DR	12655	12656	8761	8	PVC	329
SSS	E-11-7	10/15/19	3526 KEYSTONE HILLS DR	12656	12657	8764	8	RPM	246
SSS	W-13-3	10/15/19	1110 BEALE ST	125649	284374	13704	8	VCP	315
SSS	E-11-7	10/16/19	3808 COBBLEFIELD DR	12660	12627	8779	8	RPM	220
SSS	E-11-7	10/16/19	3733 GRINELL DR	12661	12660	8778	8	RPM	259
SSS	E-11-7	10/16/19	5301 OAKHILL RD	12569	12570	8396	8	RPM	177
SSS	E-11-7	10/16/19	5301 OAKHILL RD	12570	12571	8677	8	RPM	83
SSS	E-11-7	10/16/19	5316 OAK HILL RD	12568	12569	8698	8	RPM	144
SSS	E-11-7	10/16/19	3116 RODE RD	12574	12568	8699	8	RPM	272
SSS	E-11-7	10/16/19	3116 RODE RD	12575	12574	8700	8	RPM	166
SSS	E-11-7	10/16/19	3116 RODE RD	12576	12575	8701	8	RPM	115
SSS	E-11-7	10/16/19	3233 KEYSTONE HILLS DR	12644	84114	8395	10	RPM	238
SSS	E-11-7	10/16/19	5601 OAK HILL RD	84114	AWW	28549	10	CAS	16
SSS	E-11-7	10/16/19	5601 OAK HILL RD	84114	12573	8398	8	RPM	84
SSS	E-11-7	10/18/19	3011 RODE RD	12578	83339	8469	8	RPM	177

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-7	10/18/19	3017 RODE RD	12579	12578	8470	8	RPM	305
SSS	E-11-7	10/18/19	5206 OAK HILL RD	12580	12579	8471	8	RPM	268
SSS	E-11-7	10/18/19	5112 OAKHILL RD	12577	12576	8702	8	RPM	255
SSS	E-11-7	10/18/19	5206 OAKHILL RD	83339	12576	8704	8	RPM	132
SSS	E-11-7	10/18/19	3546 KEYSTONE HILLS DR	12637	12656	8782	8	RPM	239
SSS	E-11-7	10/18/19	5737 LEDGESTONE DR	CO	12655	8760	8	RPM	111
SSS	E-11-7	10/22/19	3300 E SCHMITT LN	281906	281905	28481	8	RPM	199
SSS	E-10-2	10/22/19	4035 E MORGAN AVE	5626	5627	8030	10	RCP	300
SSS	E-10-2	10/22/19	4004 E MORGAN AVE	5627	5628	14954	10	RCP	268
SSS	E-11-7	10/22/19	3020 RODE RD	12567	12568	8697	8	RPM	325
SSS	E-11-7	10/22/19	3318 BEXLEY CT	12594	12593	8464	8	RPM	405
SSS	E-11-7	10/22/19	3318 BEXLEY CT	12595	12594	8465	8	RPM	338
SSS	E-11-7	10/22/19	5113 OAKHILL RD	12596	12595	8466	8	PVC	211
SSS	E-11-7	10/22/19	2808 RODE RD	12565	12566	8467	8	RPM	212
SSS	E-11-7	10/22/19	3000 RODE RD	12566	12567	8468	8	RPM	400
SSS	E-11-7	10/22/19	5113 OAKHILL RD	CO	12596	8696	8	RPM	115
SSS	E-11-7	10/22/19	3513 BEXLEY CT	12593	12592	8716	8	RPM	402
SSS	E-11-7	10/22/19	2308 RODE RD	282630	12565	29184	8	RPM	96
SSS	W-12-5	10/23/19	1111 SCHUTTE RD	15038	15037	12251	8	RPM	410
SSS	W-12-5	10/23/19	1107 SCHUTTE RD	CO	15038	12253	8	RPM	73
SSS	W-12-5	10/23/19	1111 SCHUTTE RD	15037	15027	12252	8	RPM	253
SSS	W-12-2	10/23/19	4503 BROADWAY AVE	14644	14643	23630	8	VCP	298
SSS	E-11-7	10/23/19	3520 BEXLEY CT	12592	12591	8715	8	RPM	286
SSS	E-11-7	10/23/19	3520 BEXLEY CT	12591	12590	8714	8	RPM	294
SSS	E-11-7	10/23/19	3510 BEXLEY CT	12590	12589	8463	8	RPM	190
SSS	E-11-7	10/23/19	3412 BEXLEY CT	12589	12588	8462	8	RPM	299
SSS	E-11-7	10/24/19	5325 OAKHILL RD	12586	12585	8711	8	RPM	327
SSS	E-11-7	10/24/19	3324 BEXLEY CT	12587	12586	8712	8	RPM	265
SSS	E-11-7	10/24/19	3324 BEXLEY CT	12588	12587	8713	8	RPM	275
SSS	E-11-7	10/24/19	5301 OAK HILL RD	83330	83329	8719	8	RPM	89
SSS	E-11-7	10/24/19	5301 OAK HILL RD	83329	12586	14283	8	RPM	142
SSS	W-12-3	10/24/19	5120 MIDDLE MOUNT VERNON RD	14673	14672	15653	8	RPM	169
SSS	W-13-3	10/25/19	1300 TERRACE AVE	280652	281950	28533	8	VCP	305
SSS	E-11-7	10/25/19	3300 BEXLEY CT	CO	83331	8717	8	RPM	122
SSS	E-11-7	10/25/19	3302 BEXLEY CT	83331	83330	8718	8	PVC	116
SSS	E-11-8	11/5/19	4811 OLD TYME CT	82200	82195	14238	8	RPM	287

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Sewershed	Sub-basin	Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	W-13-4	11/6/19	1600 TUPMAN RD	11394	11393	15627	10	RPM	199
SSS	W-12-4	11/6/19	5545 WHIPPOORWILL DR	14876	14872	14047	8	RPM	337
SSS	E-10-2	11/7/19	3910 E MORGAN AVE	5628	5629	15668	15	RCP	55
SSS	E-10-2	11/7/19	4401 E MORGAN AVE	5629	5620	15177	15	RCP	161
SSS	E-10-2	11/7/19	1422 N STOCKWELL RD	5620	15159	15178	15	RCP	161
SSS	E-10-2	11/7/19	1422 N STOCKWELL RD	15159	283812	30370	15	RCP	26
SSS	E-10-2	11/7/19	1422 N STOCKWELL RD	283812	AWW	15682	15	RPM	35
SSS	W-13-2	11/11/19	619 N RED BANK RD	11498	11497	13803	8	VCP	422
SSS	W-13-1	11/21/19	3931 W LLOYD EXPY	170840	170839	24947	8	RPM	95
SSS	W-13-3	11/25/19	1016 N HELFRICH AVE	284401	CO	31125	8	VCP	22
SSS	W-13-3	11/25/19	4105 CLEMENT ST	11438	128000	13942	8	VCP	613
SSS	W-13-3	11/27/19	1015 N HELFRICH	CO	128000	23179	8	VCP	117
SSS	W-13-3	11/27/19	4211 WESTERN AVE	128000	11572	23182	8	VCP	367
SSS	E-10-2	12/5/19	4015 E MORGAN AVE	5618	5619	22152	8	RPM	229
SSS	W-9-1	12/5/19	1930 ALLENS LN	131687	4762	13560	12	VCP	359
SSS	W-12-2	12/5/19	4500 PENNINGTON AVE	AEP	11315	23627	8	VCP	175
SSS	E-10-2	12/6/19	4004 E MORGAN AVE	5654	5628	15176	15	RCP	174
SSS	W-13-2	12/11/19	525 N RED BANK RD	11500	11498	13656	8	VCP	310
SSS	E-10-1	12/12/19	3507 JOAN AVE	5707	50283	11238	8	VCP	212
SSS	E-10-1	12/13/19	3507 HERNDON DR	5691	50811	24067	8	VCP	244
SSS	W-13-1	12/17/19	4595 UNIVERSITY DR	14616	14617	23244	12	RCP	289
SSS	E-10-2	12/17/19	1708 N COLONY RD	281448	5654	27132	15	VCP	137
SSS	W-13-3	12/17/19	125 N ROSENBERGER AVE	11535	11534	24959	15	VCP	272
CSS Total Inspected (ft)									0
SSS Total Inspected (ft)									199627
Total 8" to 15" Diameter Pipes Inspected (ft) *									199627

* Total includes 60 ft of SSS inspections that were not submitted in SAR 2019-1

TABLE 7-7

Manhole Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
38544	W-9-1	4/3/19	2.00
4372	E-10-3	6/11/19	1.00
5691	E-10-1	7/1/19	1.00
5697	E-10-1	7/1/19	1.00
4764	W-9-1	7/2/19	2.00
4823	W-9-3	7/2/19	2.00
1484	W-12-1	7/8/19	2.00
4755	W-9-2	7/8/19	1.00
4756	W-9-2	7/8/19	1.00
5699	E-10-1	7/8/19	1.00
5753	E-10-3	7/8/19	2.00
100635	W-12-1	7/8/19	2.00
100636	W-12-1	7/8/19	2.00
100638	W-12-1	7/8/19	2.00
100640	W-12-1	7/8/19	2.00
100803	W-12-1	7/8/19	2.00
100805	W-12-1	7/8/19	1.00
100806	W-12-1	7/8/19	2.00
100807	W-12-1	7/8/19	2.00
100808	W-12-1	7/8/19	2.00
100809	W-12-1	7/8/19	2.00
100810	W-12-1	7/8/19	2.00
100811	W-12-1	7/8/19	1.00
100812	W-12-1	7/8/19	1.00
100813	W-12-1	7/8/19	1.00
120787	W-9-1	7/8/19	2.00
133056	W-9-2	7/8/19	2.00
283530	W-12-1	7/8/19	2.00
1488	W-12-2	7/9/19	2.00
1490	W-12-2	7/9/19	2.00
1497	W-12-2	7/9/19	2.00
1499	W-12-2	7/9/19	2.00
5742	E-10-3	7/9/19	1.00
5792	E-10-3	7/9/19	2.00
11320	W-12-2	7/9/19	2.00
11323	W-12-2	7/9/19	2.00
11324	W-12-2	7/9/19	2.00
11325	W-12-2	7/9/19	2.00
11326	W-12-2	7/9/19	2.00
14379	W-12-2	7/9/19	2.00
14644	W-12-2	7/9/19	2.00
14645	W-12-2	7/9/19	1.00
14647	W-12-2	7/9/19	2.00
100621	W-12-2	7/9/19	2.00
100626	W-12-2	7/9/19	2.00
100647	W-12-2	7/9/19	2.00
100648	W-12-2	7/9/19	2.00
100649	W-12-2	7/9/19	2.00
131687	W-9-1	7/9/19	1.00
280617	E-10-3	7/9/19	1.00
1485	W-12-1	7/10/19	2.00
1494	W-12-1	7/10/19	1.00
1495	W-12-1	7/10/19	1.00
1496	W-12-1	7/10/19	2.00
4760	W-9-2	7/10/19	1.00
100622	W-12-2	7/10/19	2.00
100624	W-12-2	7/10/19	2.00
100625	W-12-2	7/10/19	2.00
100629	W-12-1	7/10/19	2.00
100630	W-12-1	7/10/19	2.00

TABLE 7-7

Manhole Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
100631	W-12-1	7/10/19	2.00
100632	W-12-1	7/10/19	2.00
100633	W-12-1	7/10/19	2.00
100634	W-12-1	7/10/19	2.00
100637	W-12-1	7/10/19	2.00
100639	W-12-1	7/10/19	1.00
100642	W-12-1	7/10/19	2.00
100653	W-12-2	7/10/19	2.00
131678	W-9-1	7/10/19	2.00
131690	W-9-2	7/10/19	1.00
170367	W-12-1	7/10/19	2.00
281521	W-12-1	7/10/19	1.00
281886	W-9-1	7/10/19	2.00
1470	W-12-1	7/11/19	2.00
1472	W-12-1	7/11/19	2.00
1473	W-12-1	7/11/19	1.00
1474	W-12-1	7/11/19	2.00
1475	W-12-1	7/11/19	2.00
1476	W-12-1	7/11/19	1.00
1477	W-12-2	7/11/19	1.00
1479	W-12-2	7/11/19	2.00
1480	W-12-2	7/11/19	2.00
1481	W-12-1	7/11/19	1.00
1482	W-12-1	7/11/19	1.00
1486	W-12-1	7/11/19	2.00
1493	W-12-1	7/11/19	2.00
14357	W-12-1	7/11/19	2.00
100627	W-12-2	7/11/19	2.00
100650	W-12-2	7/11/19	2.00
100652	W-12-2	7/11/19	2.00
125670	W-12-1	7/11/19	1.00
131680	W-9-1	7/11/19	1.00
131681	W-9-1	7/11/19	1.00
131682	W-9-1	7/11/19	2.00
131683	W-9-1	7/11/19	2.00
138916	W-12-2	7/11/19	2.00
1469	W-12-1	7/12/19	1.00
1489	W-12-2	7/12/19	3.00
5765	E-10-3	7/12/19	1.00
11316	W-12-2	7/12/19	2.00
11317	W-12-2	7/12/19	2.00
11318	W-12-2	7/12/19	2.00
14378	W-12-2	7/12/19	2.00
14649	W-12-2	7/12/19	1.00
14650	W-12-2	7/12/19	1.00
14652	W-12-2	7/12/19	2.00
14685	W-12-3	7/12/19	2.00
14687	W-12-3	7/12/19	2.00
14688	W-12-3	7/12/19	2.00
14692	W-12-3	7/12/19	1.00
14698	W-12-3	7/12/19	2.00
14699	W-12-3	7/12/19	2.00
14700	W-12-3	7/12/19	2.00
15441	W-12-1	7/12/19	2.00
15442	W-12-1	7/12/19	1.00
15445	W-12-1	7/12/19	2.00
15446	W-12-1	7/12/19	2.00
100543	W-12-2	7/12/19	2.00
124431	W-12-1	7/12/19	2.00
280950	W-12-3	7/13/19	1.00

TABLE 7-7

Manhole Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
280951	W-12-3	7/13/19	1.00
280952	W-12-3	7/13/19	1.00
280953	W-12-3	7/13/19	1.00
14710	W-12-3	7/15/19	1.00
14713	W-12-3	7/15/19	1.00
14714	W-12-3	7/15/19	1.00
14715	W-12-3	7/15/19	1.00
280947	W-12-3	7/15/19	1.00
280948	W-12-3	7/15/19	1.00
280949	W-12-3	7/15/19	1.00
284041	W-12-3	7/15/19	1.00
284042	W-12-3	7/15/19	1.00
284043	W-12-3	7/15/19	1.00
11304	W-12-3	7/16/19	1.00
11305	W-12-3	7/16/19	1.00
11306	W-12-3	7/16/19	1.00
11309	W-12-3	7/16/19	1.00
14363	W-12-3	7/16/19	2.00
14364	W-12-3	7/16/19	2.00
14658	W-12-3	7/16/19	1.00
14659	W-12-3	7/16/19	1.00
14661	W-12-3	7/16/19	2.00
14717	W-12-3	7/16/19	1.00
281987	W-12-3	7/16/19	1.00
1467	W-12-2	7/17/19	2.00
1498	W-12-2	7/17/19	2.00
11310	W-12-3	7/17/19	2.00
14362	W-12-3	7/17/19	1.00
14368	W-12-3	7/17/19	2.00
14369	W-12-3	7/17/19	1.00
14370	W-12-3	7/17/19	2.00
14371	W-12-3	7/17/19	2.00
14372	W-12-3	7/17/19	1.00
14373	W-12-3	7/17/19	1.00
14374	W-12-3	7/17/19	1.00
14375	W-12-3	7/17/19	2.00
14654	W-12-3	7/17/19	2.00
14655	W-12-3	7/17/19	2.00
14656	W-12-3	7/17/19	2.00
14660	W-12-3	7/17/19	1.00
14662	W-12-3	7/17/19	2.00
14663	W-12-3	7/17/19	1.00
14683	W-12-3	7/17/19	1.00
14684	W-12-3	7/17/19	1.00
14706	W-12-3	7/17/19	1.00
14708	W-12-3	7/17/19	1.00
14709	W-12-3	7/17/19	1.00
1471	W-12-1	7/18/19	2.00
11311	W-12-3	7/18/19	1.00
11322	W-12-2	7/18/19	1.00
14643	W-12-2	7/18/19	1.00
14653	W-12-3	7/18/19	2.00
14665	W-12-3	7/18/19	1.00
14666	W-12-3	7/18/19	1.00
14695	W-12-3	7/18/19	2.00
14696	W-12-3	7/18/19	1.00
14697	W-12-3	7/18/19	1.00
14736	W-12-3	7/18/19	1.00
14737	W-12-3	7/18/19	1.00
131686	W-9-1	7/18/19	1.00

TABLE 7-7

Manhole Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
170359	W-12-2	7/18/19	1.00
282617	W-12-3	7/18/19	1.00
283088	W-12-2	7/18/19	2.00
131684	W-9-1	7/19/19	2.00
131685	W-9-1	7/19/19	1.00
4849	W-9-1	7/22/19	1.00
11308	W-12-3	7/22/19	1.00
14664	W-12-3	7/22/19	1.00
14691	W-12-3	7/22/19	1.00
14693	W-12-3	7/22/19	1.00
15444	W-12-1	7/22/19	1.00
281970	W-12-1	7/22/19	1.00
14358	W-12-1	7/23/19	1.00
14361	W-12-3	7/23/19	1.00
14640	W-12-1	7/23/19	2.00
14676	W-12-3	7/23/19	2.00
14677	W-12-3	7/23/19	2.00
14678	W-12-3	7/23/19	2.00
14701	W-12-3	7/23/19	2.00
14702	W-12-3	7/23/19	2.00
14703	W-12-3	7/23/19	1.00
14711	W-12-3	7/23/19	1.00
14712	W-12-3	7/23/19	1.00
170365	W-12-1	7/23/19	2.00
170366	W-12-1	7/23/19	1.00
170368	W-12-1	7/23/19	1.00
282602	W-12-3	7/23/19	1.00
282603	W-12-3	7/23/19	2.00
4369	E-10-3	7/24/19	1.00
5621	E-10-2	7/24/19	1.00
5622	E-10-2	7/24/19	1.00
5623	E-10-2	7/24/19	1.00
5667	E-10-3	7/24/19	3.00
5740	E-10-3	7/24/19	2.00
5762	E-10-3	7/24/19	1.00
5763	E-10-3	7/24/19	1.00
5766	E-10-3	7/24/19	3.00
5780	E-10-3	7/24/19	1.00
14686	W-12-3	7/24/19	1.00
14689	W-12-3	7/24/19	2.00
15158	E-10-2	7/24/19	1.00
15440	W-12-1	7/24/19	2.00
15448	W-12-1	7/24/19	1.00
73817	E-10-3	7/24/19	2.00
73820	E-10-3	7/24/19	2.00
170370	W-12-1	7/24/19	1.00
7639	W-9-1	7/25/19	1.00
11533	W-13-1	7/25/19	2.00
14345	W-13-1	7/25/19	1.00
14354	W-13-1	7/25/19	2.00
14718	W-13-1	7/25/19	1.00
14733	W-13-1	7/25/19	1.00
14734	W-13-1	7/25/19	1.00
14774	W-13-1	7/25/19	1.00
14775	W-13-1	7/25/19	1.00
14776	W-13-1	7/25/19	1.00
14777	W-13-1	7/25/19	3.00
14790	W-13-1	7/25/19	2.00
280689	W-13-1	7/25/19	1.00
280690	W-13-1	7/25/19	2.00

TABLE 7-7

Manhole Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
280691	W-13-1	7/25/19	2.00
280692	W-13-1	7/25/19	1.00
280693	W-13-1	7/25/19	1.00
280694	W-13-1	7/25/19	2.00
281060	W-13-1	7/25/19	1.00
281061	W-13-1	7/25/19	1.00
281887	W-9-1	7/25/19	1.00
282408	W-13-1	7/25/19	2.00
14355	W-13-1	7/26/19	1.00
14359	W-13-1	7/26/19	3.00
14611	W-13-1	7/26/19	2.00
14619	W-13-1	7/26/19	1.00
14725	W-13-1	7/26/19	2.00
14726	W-13-1	7/26/19	2.00
14727	W-13-1	7/26/19	1.00
14728	W-13-1	7/26/19	1.00
14729	W-13-1	7/26/19	1.00
14730	W-13-1	7/26/19	2.00
14732	W-13-1	7/26/19	1.00
14788	W-13-1	7/26/19	3.00
14792	W-13-1	7/26/19	1.00
124642	W-13-1	7/26/19	1.00
124643	W-13-1	7/26/19	1.00
280580	W-13-1	7/26/19	2.00
280582	W-13-1	7/26/19	1.00
280583	W-13-1	7/26/19	1.00
280584	W-13-1	7/26/19	1.00
280585	W-13-1	7/26/19	1.00
281702	W-13-1	7/26/19	1.00
11212	W-13-1	7/30/19	1.00
11502	W-13-1	7/30/19	2.00
11504	W-13-1	7/30/19	2.00
11532	W-13-1	7/30/19	2.00
11541	W-13-1	7/30/19	1.00
11542	W-13-1	7/30/19	1.00
11543	W-13-1	7/30/19	2.00
14612	W-13-1	7/30/19	1.00
14613	W-13-1	7/30/19	2.00
14786	W-13-1	7/30/19	2.00
123851	W-13-1	7/30/19	2.00
281059	W-13-1	7/30/19	2.00
11540	W-13-1	7/31/19	2.00
14620	W-13-1	7/31/19	2.00
14623	W-13-1	7/31/19	1.00
14669	W-12-3	7/31/19	2.00
14672	W-12-3	7/31/19	2.00
14679	W-12-3	7/31/19	1.00
14680	W-12-3	7/31/19	1.00
14681	W-12-3	7/31/19	1.00
14682	W-12-3	7/31/19	1.00
14704	W-12-3	7/31/19	2.00
14705	W-12-3	7/31/19	2.00
280695	W-13-1	7/31/19	1.00
1483	W-12-2	8/1/19	2.00
11534	W-13-1	8/1/19	2.00
14646	W-12-2	8/1/19	1.00
15449	W-12-1	8/1/19	1.00
15450	W-12-1	8/1/19	1.00
170361	W-12-1	8/1/19	1.00
170364	W-12-1	8/1/19	1.00

TABLE 7-7

Manhole Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
170369	W-12-1	8/1/19	1.00
170371	W-12-1	8/1/19	1.00
170374	W-12-1	8/1/19	1.00
170375	W-12-1	8/1/19	1.00
170376	W-12-1	8/1/19	1.00
281799	W-12-2	8/1/19	1.00
284040	W-12-3	8/1/19	1.00
284044	W-12-3	8/1/19	1.00
284045	W-12-3	8/1/19	1.00
11358	W-13-4	8/2/19	1.00
11359	W-13-4	8/2/19	1.00
11379	W-13-4	8/2/19	1.00
11380	W-13-4	8/2/19	1.00
14377	W-12-4	8/2/19	1.00
14862	W-12-4	8/2/19	1.00
14864	W-12-4	8/2/19	1.00
14865	W-12-4	8/2/19	1.00
14866	W-12-4	8/2/19	1.00
14867	W-12-4	8/2/19	1.00
14872	W-12-4	8/2/19	1.00
14886	W-12-4	8/2/19	1.00
14887	W-12-4	8/2/19	1.00
14894	W-12-4	8/2/19	1.00
14898	W-12-4	8/2/19	2.00
14920	W-12-4	8/2/19	1.00
14921	W-12-4	8/2/19	1.00
14922	W-12-4	8/2/19	1.00
129407	W-13-4	8/2/19	1.00
284332	W-12-4	8/2/19	1.00
11352	W-13-4	8/5/19	1.00
11356	W-13-4	8/5/19	1.00
11371	W-13-4	8/5/19	1.00
11376	W-13-4	8/5/19	1.00
11377	W-13-4	8/5/19	1.00
11378	W-13-4	8/5/19	1.00
14869	W-12-4	8/5/19	2.00
14870	W-12-4	8/5/19	1.00
14873	W-12-4	8/5/19	1.00
14888	W-12-4	8/5/19	1.00
14891	W-12-4	8/5/19	1.00
14892	W-12-4	8/5/19	1.00
14911	W-12-4	8/5/19	1.00
280586	W-13-2	8/5/19	1.00
283218	W-12-4	8/5/19	2.00
4042	W-13-3	8/6/19	1.00
11404	W-13-3	8/6/19	2.00
11406	W-13-3	8/6/19	2.00
11409	W-13-3	8/6/19	1.00
11410	W-13-3	8/6/19	1.00
11411	W-13-3	8/6/19	1.00
11417	W-13-3	8/6/19	2.00
11425	W-13-3	8/6/19	1.00
11434	W-13-3	8/6/19	1.00
11445	W-13-3	8/6/19	1.00
11571	W-13-3	8/6/19	1.00
11572	W-13-3	8/6/19	1.00
11576	W-13-3	8/6/19	1.00
11599	W-13-3	8/6/19	1.00
14350	W-13-1	8/6/19	1.00
14356	W-13-1	8/6/19	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
14567	W-13-3	8/6/19	1.00
14568	W-13-3	8/6/19	2.00
37358	W-13-3	8/6/19	1.00
127992	W-13-3	8/6/19	1.00
128216	W-13-3	8/6/19	1.00
1478	W-12-1	8/7/19	2.00
11549	W-13-3	8/7/19	2.00
11550	W-13-3	8/7/19	2.00
11551	W-13-3	8/7/19	1.00
11552	W-13-3	8/7/19	1.00
11557	W-13-3	8/7/19	2.00
11561	W-13-3	8/7/19	2.00
11562	W-13-3	8/7/19	2.00
11563	W-13-3	8/7/19	1.00
11582	W-13-3	8/7/19	2.00
11583	W-13-3	8/7/19	1.00
11584	W-13-3	8/7/19	2.00
11598	W-13-3	8/7/19	2.00
100037	W-13-3	8/7/19	2.00
100038	W-13-3	8/7/19	1.00
128004	W-13-3	8/7/19	2.00
128006	W-13-3	8/7/19	2.00
11426	W-13-3	8/8/19	1.00
11553	W-13-3	8/8/19	2.00
11556	W-13-3	8/8/19	2.00
11578	W-13-3	8/8/19	1.00
11579	W-13-3	8/8/19	1.00
11581	W-13-3	8/8/19	1.00
11585	W-13-3	8/8/19	2.00
11586	W-13-3	8/8/19	1.00
11590	W-13-3	8/8/19	2.00
14553	W-13-4	8/8/19	1.00
14558	W-13-4	8/8/19	2.00
14559	W-13-4	8/8/19	1.00
127989	W-13-3	8/8/19	1.00
127993	W-13-3	8/8/19	2.00
127999	W-13-3	8/8/19	2.00
128005	W-13-3	8/8/19	1.00
128007	W-13-3	8/8/19	1.00
128322	W-13-4	8/8/19	1.00
282419	W-13-3	8/8/19	1.00
282460	W-13-4	8/8/19	1.00
11328	W-13-4	8/9/19	1.00
11330	W-13-4	8/9/19	1.00
11333	W-13-4	8/9/19	2.00
11341	W-13-4	8/9/19	1.00
14334	W-13-4	8/9/19	1.00
14340	W-13-4	8/9/19	1.00
14550	W-13-4	8/9/19	1.00
14551	W-13-4	8/9/19	1.00
14555	W-13-4	8/9/19	1.00
14556	W-13-4	8/9/19	1.00
14561	W-13-4	8/9/19	1.00
14562	W-13-4	8/9/19	1.00
14563	W-13-4	8/9/19	1.00
14628	W-13-4	8/9/19	1.00
14629	W-13-4	8/9/19	1.00
14630	W-13-4	8/9/19	1.00
129347	W-13-4	8/9/19	2.00
129348	W-13-4	8/9/19	2.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
129349	W-13-4	8/9/19	2.00
281901	W-13-4	8/9/19	1.00
282706	W-13-2	8/12/19	1.00
11329	W-13-4	8/13/19	2.00
11331	W-13-4	8/13/19	2.00
11332	W-13-4	8/13/19	2.00
11334	W-13-4	8/13/19	2.00
11335	W-13-4	8/13/19	1.00
11336	W-13-4	8/13/19	1.00
11337	W-13-4	8/13/19	1.00
11339	W-13-4	8/13/19	2.00
11342	W-13-4	8/13/19	2.00
12574	E-11-7	8/13/19	1.00
12645	E-11-7	8/13/19	2.00
12646	E-11-7	8/13/19	1.00
12649	E-11-7	8/13/19	1.00
12650	E-11-7	8/13/19	2.00
14338	W-13-4	8/13/19	1.00
83332	E-11-7	8/13/19	1.00
83333	E-11-7	8/13/19	2.00
83334	E-11-7	8/13/19	1.00
83335	E-11-7	8/13/19	1.00
83336	E-11-7	8/13/19	1.00
83337	E-11-7	8/13/19	1.00
83338	E-11-7	8/13/19	1.00
83340	E-11-7	8/13/19	1.00
128323	W-13-4	8/13/19	1.00
129352	W-13-4	8/13/19	1.00
129353	W-13-4	8/13/19	2.00
129354	W-13-4	8/13/19	1.00
281902	W-13-4	8/13/19	2.00
281952	E-11-7	8/13/19	1.00
12627	E-11-7	8/14/19	1.00
12669	E-11-8	8/14/19	1.00
12686	E-11-7	8/14/19	1.00
12688	E-11-7	8/14/19	1.00
12689	E-11-7	8/14/19	1.00
12694	E-11-7	8/14/19	1.00
12695	E-11-7	8/14/19	1.00
12705	E-11-7	8/14/19	1.00
12706	E-11-7	8/14/19	1.00
14948	W-12-6	8/14/19	2.00
14949	W-12-6	8/14/19	2.00
14950	W-12-6	8/14/19	2.00
16233	W-12-6	8/14/19	1.00
16234	W-12-6	8/14/19	1.00
16242	W-12-6	8/14/19	2.00
16243	W-12-6	8/14/19	1.00
16244	W-12-6	8/14/19	1.00
16245	W-12-6	8/14/19	1.00
16247	W-12-6	8/14/19	1.00
16248	W-12-6	8/14/19	1.00
280661	W-12-6	8/14/19	1.00
280662	W-12-6	8/14/19	1.00
280663	W-12-6	8/14/19	1.00
280664	W-12-6	8/14/19	1.00
280665	W-12-6	8/14/19	1.00
280666	W-12-6	8/14/19	1.00
280668	W-12-6	8/14/19	1.00
280669	W-12-6	8/14/19	2.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
282065	W-12-6	8/14/19	1.00
12629	E-11-7	8/15/19	1.00
12630	E-11-7	8/15/19	1.00
12638	E-11-7	8/15/19	1.00
12639	E-11-7	8/15/19	1.00
12640	E-11-7	8/15/19	1.00
12641	E-11-7	8/15/19	1.00
12642	E-11-7	8/15/19	1.00
12653	E-11-7	8/15/19	1.00
12654	E-11-7	8/15/19	1.00
12681	E-11-7	8/15/19	1.00
12701	E-11-7	8/15/19	1.00
12703	E-11-7	8/15/19	1.00
82186	E-11-8	8/15/19	2.00
82187	E-11-8	8/15/19	1.00
82188	E-11-8	8/15/19	2.00
82189	E-11-8	8/15/19	1.00
82199	E-11-8	8/15/19	1.00
82200	E-11-8	8/15/19	1.00
82207	E-11-8	8/15/19	1.00
82208	E-11-8	8/15/19	2.00
82210	E-11-8	8/15/19	1.00
82211	E-11-8	8/15/19	2.00
281191	E-11-8	8/15/19	1.00
281905	E-11-7	8/15/19	1.00
12662	E-11-8	8/16/19	1.00
12673	E-11-8	8/16/19	2.00
12674	E-11-8	8/16/19	2.00
12675	E-11-8	8/16/19	2.00
12676	E-11-8	8/16/19	1.00
12677	E-11-8	8/16/19	2.00
12680	E-11-8	8/16/19	1.00
12708	E-11-8	8/16/19	2.00
12710	E-11-8	8/16/19	1.00
82181	E-11-8	8/16/19	1.00
82182	E-11-8	8/16/19	1.00
82183	E-11-8	8/16/19	1.00
82184	E-11-8	8/16/19	1.00
282651	E-11-8	8/19/19	1.00
282652	E-11-8	8/19/19	2.00
282653	E-11-8	8/19/19	1.00
282654	E-11-8	8/19/19	1.00
282655	E-11-8	8/19/19	1.00
282658	E-11-8	8/19/19	1.00
282659	E-11-8	8/19/19	2.00
282660	E-11-8	8/19/19	1.00
282661	E-11-8	8/19/19	1.00
282662	E-11-8	8/19/19	1.00
282663	E-11-8	8/19/19	2.00
282664	E-11-8	8/19/19	1.00
12668	E-11-8	8/20/19	2.00
12716	E-11-8	8/20/19	2.00
12717	E-11-8	8/20/19	2.00
16357	E-11-8	8/20/19	1.00
16358	E-11-8	8/20/19	1.00
16359	E-11-8	8/20/19	1.00
16360	E-11-8	8/20/19	1.00
16362	E-11-8	8/20/19	1.00
16363	E-11-8	8/20/19	1.00
82179	E-11-8	8/20/19	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
82180	E-11-8	8/20/19	1.00
281194	E-11-8	8/20/19	1.00
281200	E-11-8	8/20/19	1.00
282656	E-11-8	8/20/19	2.00
282657	E-11-8	8/20/19	2.00
283091	E-11-8	8/20/19	1.00
283092	E-11-8	8/20/19	1.00
283093	E-11-8	8/20/19	1.00
12572	E-11-7	8/21/19	2.00
12628	E-11-8	8/21/19	2.00
12632	E-11-7	8/21/19	1.00
12633	E-11-7	8/21/19	1.00
12634	E-11-7	8/21/19	1.00
12635	E-11-7	8/21/19	1.00
12643	E-11-7	8/21/19	1.00
12644	E-11-7	8/21/19	1.00
12663	E-11-8	8/21/19	2.00
12670	E-11-8	8/21/19	2.00
12671	E-11-8	8/21/19	1.00
12679	E-11-8	8/21/19	1.00
12709	E-11-8	8/21/19	1.00
12712	E-11-8	8/21/19	1.00
12722	E-11-8	8/21/19	1.00
12723	E-11-8	8/21/19	2.00
12724	E-11-8	8/21/19	2.00
16356	E-11-8	8/21/19	2.00
16364	E-11-8	8/21/19	1.00
16365	E-11-8	8/21/19	1.00
16366	E-11-8	8/21/19	2.00
82175	E-11-8	8/21/19	2.00
82176	E-11-8	8/21/19	2.00
82177	E-11-8	8/21/19	2.00
82178	E-11-8	8/21/19	2.00
82365	E-11-7	8/21/19	1.00
279455	E-11-8	8/21/19	1.00
283089	E-11-8	8/21/19	1.00
283090	E-11-8	8/21/19	1.00
283110	E-11-8	8/21/19	1.00
12568	E-11-7	8/22/19	1.00
12569	E-11-7	8/22/19	2.00
12570	E-11-7	8/22/19	1.00
12573	E-11-7	8/22/19	2.00
12581	E-11-7	8/22/19	1.00
12582	E-11-7	8/22/19	1.00
12583	E-11-7	8/22/19	1.00
12584	E-11-7	8/22/19	2.00
12647	E-11-7	8/22/19	2.00
12648	E-11-7	8/22/19	2.00
12658	E-11-7	8/22/19	1.00
12659	E-11-7	8/22/19	1.00
12660	E-11-7	8/22/19	2.00
12661	E-11-7	8/22/19	1.00
12667	E-11-8	8/22/19	1.00
12672	E-11-8	8/22/19	1.00
12683	E-11-7	8/22/19	1.00
12687	E-11-7	8/22/19	1.00
12690	E-11-7	8/22/19	1.00
12692	E-11-7	8/22/19	1.00
12693	E-11-7	8/22/19	2.00
12696	E-11-7	8/22/19	2.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
12704	E-11-7	8/22/19	1.00
12711	E-11-8	8/22/19	1.00
12714	E-11-8	8/22/19	2.00
12720	E-11-8	8/22/19	1.00
12721	E-11-8	8/22/19	1.00
14978	W-12-5	8/22/19	1.00
14979	W-12-5	8/22/19	1.00
14980	W-12-5	8/22/19	1.00
14982	W-12-5	8/22/19	2.00
14984	W-12-5	8/22/19	1.00
14986	W-12-5	8/22/19	1.00
14987	W-12-5	8/22/19	1.00
14992	W-12-5	8/22/19	1.00
14993	W-12-5	8/22/19	1.00
14995	W-12-5	8/22/19	1.00
14997	W-12-5	8/22/19	1.00
14998	W-12-5	8/22/19	1.00
15000	W-12-5	8/22/19	1.00
281958	E-11-7	8/22/19	1.00
281961	E-11-7	8/22/19	1.00
15030	W-12-5	8/23/19	1.00
15031	W-12-5	8/23/19	1.00
15034	W-12-5	8/23/19	1.00
15035	W-12-5	8/23/19	1.00
15036	W-12-5	8/23/19	1.00
16096	W-12-6	8/23/19	1.00
16101	W-12-6	8/23/19	1.00
16104	W-12-6	8/23/19	1.00
16106	W-12-6	8/23/19	1.00
16108	W-12-6	8/23/19	1.00
16215	W-12-6	8/23/19	1.00
16216	W-12-6	8/23/19	1.00
126176	W-12-6	8/23/19	1.00
14325	W-12-6	8/26/19	1.00
14333	W-12-6	8/26/19	1.00
14961	W-12-6	8/26/19	1.00
14962	W-12-6	8/26/19	1.00
16092	W-12-6	8/26/19	1.00
16093	W-12-6	8/26/19	1.00
16097	W-12-6	8/26/19	1.00
16098	W-12-6	8/26/19	1.00
16099	W-12-6	8/26/19	1.00
16109	W-12-6	8/26/19	2.00
16228	W-12-6	8/26/19	1.00
16229	W-12-6	8/26/19	1.00
16232	W-12-6	8/26/19	2.00
280667	W-12-6	8/26/19	2.00
282749	W-12-5	8/26/19	1.00
282750	W-12-5	8/26/19	1.00
282751	W-12-5	8/26/19	1.00
282752	W-12-5	8/26/19	1.00
282755	W-12-5	8/26/19	1.00
283323	W-12-5	8/26/19	2.00
283324	W-12-5	8/26/19	2.00
283325	W-12-5	8/26/19	1.00
283326	W-12-5	8/26/19	1.00
283327	W-12-5	8/26/19	2.00
14335	W-13-4	8/27/19	2.00
14337	W-13-4	8/27/19	2.00
14637	W-13-4	8/27/19	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
14638	W-13-4	8/27/19	1.00
14639	W-13-4	8/27/19	1.00
14924	W-12-6	8/27/19	2.00
14929	W-12-6	8/27/19	2.00
14932	W-12-6	8/27/19	2.00
14942	W-12-6	8/27/19	2.00
14958	W-12-6	8/27/19	1.00
14959	W-12-6	8/27/19	2.00
14960	W-12-6	8/27/19	1.00
16095	W-12-6	8/27/19	1.00
16100	W-12-6	8/27/19	1.00
16102	W-12-6	8/27/19	1.00
16103	W-12-6	8/27/19	2.00
16105	W-12-6	8/27/19	1.00
16107	W-12-6	8/27/19	1.00
16230	W-12-6	8/27/19	1.00
16231	W-12-6	8/27/19	1.00
16235	W-12-6	8/27/19	1.00
280672	W-13-4	8/27/19	1.00
280673	W-13-4	8/27/19	1.00
280674	W-13-4	8/27/19	2.00
282066	W-13-4	8/27/19	1.00
282067	W-13-4	8/27/19	1.00
282565	W-13-4	8/27/19	1.00
282566	W-13-4	8/27/19	1.00
282567	W-13-4	8/27/19	1.00
282568	W-13-4	8/27/19	1.00
14331	W-12-6	8/28/19	1.00
14926	W-12-6	8/28/19	1.00
14927	W-12-6	8/28/19	1.00
14928	W-12-6	8/28/19	1.00
14930	W-12-6	8/28/19	1.00
14937	W-12-6	8/28/19	1.00
14945	W-12-6	8/28/19	1.00
15048	W-12-5	8/28/19	1.00
16081	W-12-6	8/28/19	2.00
16082	W-12-6	8/28/19	1.00
16083	W-12-6	8/28/19	2.00
16084	W-12-6	8/28/19	2.00
16085	W-12-6	8/28/19	2.00
16086	W-12-6	8/28/19	1.00
16087	W-12-6	8/28/19	1.00
16217	W-12-6	8/28/19	2.00
16218	W-12-6	8/28/19	1.00
16220	W-12-6	8/28/19	1.00
16221	W-12-6	8/28/19	1.00
16222	W-12-6	8/28/19	1.00
16223	W-12-6	8/28/19	2.00
16225	W-12-6	8/28/19	1.00
16226	W-12-6	8/28/19	1.00
126701	W-12-5	8/28/19	2.00
126702	W-12-5	8/28/19	1.00
126706	W-12-5	8/28/19	1.00
126707	W-12-5	8/28/19	2.00
280698	W-12-5	8/28/19	1.00
282158	W-12-5	8/28/19	1.00
282159	W-12-5	8/28/19	1.00
1487	W-12-4	8/29/19	1.00
14863	W-12-4	8/29/19	2.00
14868	W-12-4	8/29/19	2.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
14879	W-12-4	8/29/19	1.00
14882	W-12-4	8/29/19	1.00
14883	W-12-4	8/29/19	1.00
14884	W-12-4	8/29/19	1.00
14899	W-12-4	8/29/19	1.00
14901	W-12-4	8/29/19	1.00
14905	W-12-4	8/29/19	1.00
14907	W-12-4	8/29/19	1.00
14908	W-12-4	8/29/19	1.00
14909	W-12-4	8/29/19	1.00
14910	W-12-4	8/29/19	1.00
14933	W-12-6	8/29/19	2.00
14934	W-12-6	8/29/19	1.00
126171	W-12-6	8/29/19	1.00
126178	W-12-6	8/29/19	1.00
126179	W-12-6	8/29/19	1.00
126180	W-12-6	8/29/19	2.00
126181	W-12-6	8/29/19	1.00
126185	W-12-6	8/29/19	1.00
126188	W-12-6	8/29/19	1.00
126189	W-12-6	8/29/19	1.00
126190	W-12-6	8/29/19	1.00
126191	W-12-6	8/29/19	1.00
126192	W-12-6	8/29/19	1.00
126193	W-12-6	8/29/19	2.00
126194	W-12-6	8/29/19	1.00
126195	W-12-6	8/29/19	1.00
126196	W-12-6	8/29/19	1.00
126197	W-12-6	8/29/19	1.00
126198	W-12-6	8/29/19	1.00
126199	W-12-6	8/29/19	1.00
126699	W-12-5	8/29/19	1.00
126700	W-12-5	8/29/19	2.00
126708	W-12-5	8/29/19	1.00
126709	W-12-5	8/29/19	1.00
172555	W-12-6	8/29/19	1.00
172556	W-12-6	8/29/19	2.00
281900	W-12-6	8/29/19	1.00
282063	W-12-6	8/29/19	1.00
282064	W-12-6	8/29/19	1.00
282316	W-12-6	8/29/19	1.00
284331	W-12-4	8/29/19	1.00
14330	W-12-6	8/30/19	2.00
14332	W-12-6	8/30/19	2.00
14912	W-12-4	8/30/19	1.00
14913	W-12-4	8/30/19	1.00
14914	W-12-4	8/30/19	1.00
14915	W-12-4	8/30/19	1.00
14916	W-12-4	8/30/19	1.00
14917	W-12-4	8/30/19	1.00
14918	W-12-4	8/30/19	1.00
16089	W-12-6	8/30/19	1.00
16090	W-12-6	8/30/19	2.00
16094	W-12-6	8/30/19	2.00
16249	W-12-6	8/30/19	1.00
16250	W-12-6	8/30/19	1.00
126705	W-12-5	8/30/19	1.00
132906	W-12-4	8/30/19	1.00
132907	W-12-4	8/30/19	1.00
138881	W-12-4	8/30/19	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
282777	W-12-4	8/30/19	1.00
12664	E-11-8	9/5/19	1.00
12665	E-11-8	9/5/19	1.00
12715	E-11-8	9/6/19	1.00
12718	E-11-8	9/6/19	2.00
16354	E-11-8	9/6/19	1.00
16355	E-11-8	9/6/19	1.00
82185	E-11-8	9/6/19	1.00
82190	E-11-8	9/6/19	1.00
82191	E-11-8	9/6/19	1.00
82209	E-11-8	9/6/19	1.00
281192	E-11-8	9/6/19	1.00
281950	W-13-3	9/6/19	2.00
12636	E-11-7	9/9/19	1.00
14365	W-13-2	9/9/19	1.00
14605	W-13-2	9/9/19	1.00
14606	W-13-2	9/9/19	1.00
14607	W-13-2	9/9/19	2.00
14608	W-13-2	9/9/19	1.00
14609	W-13-2	9/9/19	1.00
14744	W-13-2	9/9/19	1.00
14874	W-12-4	9/9/19	1.00
14876	W-12-4	9/9/19	1.00
14878	W-12-4	9/9/19	1.00
14881	W-12-4	9/9/19	1.00
14885	W-12-4	9/9/19	1.00
82204	E-11-8	9/9/19	2.00
279449	E-11-8	9/9/19	2.00
281195	E-11-8	9/9/19	1.00
281196	E-11-8	9/9/19	1.00
281197	E-11-8	9/9/19	1.00
281198	E-11-8	9/9/19	1.00
281199	E-11-8	9/9/19	1.00
281681	E-11-8	9/9/19	1.00
11374	W-13-4	9/10/19	1.00
11375	W-13-4	9/10/19	1.00
12565	E-11-7	9/10/19	1.00
12566	E-11-7	9/10/19	2.00
12567	E-11-7	9/10/19	1.00
12577	E-11-7	9/10/19	1.00
12578	E-11-7	9/10/19	1.00
12579	E-11-7	9/10/19	2.00
12580	E-11-7	9/10/19	2.00
12637	E-11-7	9/10/19	1.00
12651	E-11-7	9/10/19	2.00
12652	E-11-7	9/10/19	2.00
12656	E-11-7	9/10/19	2.00
12697	E-11-7	9/10/19	1.00
12698	E-11-7	9/10/19	1.00
14597	W-13-2	9/10/19	1.00
14598	W-13-2	9/10/19	1.00
14599	W-13-2	9/10/19	1.00
14601	W-13-2	9/10/19	1.00
14602	W-13-2	9/10/19	1.00
14603	W-13-2	9/10/19	1.00
14604	W-13-2	9/10/19	1.00
16224	W-12-6	9/10/19	1.00
83339	E-11-7	9/10/19	2.00
123855	W-13-2	9/10/19	1.00
281906	E-11-7	9/10/19	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
281959	E-11-7	9/10/19	1.00
282630	E-11-7	9/10/19	2.00
283102	E-11-7	9/10/19	2.00
7219	W-13-3	9/11/19	1.00
11480	W-13-2	9/11/19	2.00
11481	W-13-2	9/11/19	1.00
11483	W-13-2	9/11/19	2.00
11484	W-13-2	9/11/19	2.00
16236	W-12-6	9/11/19	1.00
16237	W-12-6	9/11/19	2.00
16238	W-12-6	9/11/19	1.00
16239	W-12-6	9/11/19	1.00
16240	W-12-6	9/11/19	1.00
16241	W-12-6	9/11/19	2.00
127997	W-13-3	9/11/19	1.00
127998	W-13-3	9/11/19	3.00
281540	W-13-3	9/11/19	1.00
11402	W-13-2	9/12/19	1.00
11494	W-13-2	9/12/19	1.00
14965	W-12-5	9/12/19	1.00
14966	W-12-5	9/12/19	2.00
14967	W-12-5	9/12/19	1.00
14968	W-12-5	9/12/19	1.00
15037	W-12-5	9/12/19	1.00
15050	W-12-5	9/12/19	1.00
280729	W-13-1	9/12/19	1.00
11482	W-13-2	9/13/19	2.00
11485	W-13-2	9/13/19	1.00
11486	W-13-2	9/13/19	2.00
11487	W-13-2	9/13/19	1.00
11488	W-13-2	9/13/19	1.00
133659	W-13-2	9/13/19	2.00
133660	W-13-2	9/13/19	1.00
11489	W-13-2	9/16/19	1.00
11490	W-13-2	9/16/19	1.00
11493	W-13-2	9/16/19	1.00
11544	W-13-2	9/17/19	1.00
11545	W-13-2	9/17/19	1.00
14600	W-13-2	9/17/19	2.00
135939	W-12-5	9/17/19	1.00
14341	W-13-4	9/19/19	2.00
14342	W-13-4	9/19/19	2.00
14626	W-13-4	9/19/19	2.00
14627	W-13-4	9/19/19	2.00
14667	W-12-4	9/19/19	2.00
14668	W-12-4	9/19/19	1.00
133658	W-13-2	9/19/19	1.00
11454	W-13-2	9/20/19	2.00
11458	W-13-2	9/20/19	2.00
11467	W-13-2	9/20/19	1.00
11478	W-13-2	9/20/19	1.00
11456	W-13-2	9/23/19	1.00
11457	W-13-2	9/23/19	1.00
123637	W-13-2	9/23/19	1.00
11343	W-13-4	9/25/19	1.00
11344	W-13-4	9/25/19	1.00
14969	W-12-5	9/25/19	1.00
14970	W-12-5	9/25/19	2.00
14974	W-12-5	9/25/19	1.00
14975	W-12-5	9/25/19	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
100039	W-13-3	9/25/19	1.00
128000	W-13-3	9/25/19	2.00
283529	W-13-4	9/25/19	2.00
12586	E-11-7	9/26/19	1.00
12587	E-11-7	9/26/19	2.00
12588	E-11-7	9/26/19	2.00
82193	E-11-8	9/26/19	1.00
82194	E-11-8	9/26/19	2.00
82201	E-11-8	9/26/19	1.00
82202	E-11-8	9/26/19	2.00
82203	E-11-8	9/26/19	2.00
83329	E-11-7	9/26/19	2.00
83330	E-11-7	9/26/19	2.00
83331	E-11-7	9/26/19	2.00
84114	E-11-7	9/26/19	1.00
281189	E-11-8	9/26/19	1.00
284085	E-11-8	9/26/19	1.00
14951	W-12-6	9/27/19	1.00
14953	W-12-6	9/27/19	1.00
14954	W-12-6	9/27/19	1.00
14955	W-12-6	9/27/19	1.00
16246	W-12-6	9/27/19	1.00
280670	W-12-6	9/27/19	1.00
15002	W-12-5	9/30/19	1.00
15003	W-12-5	9/30/19	2.00
14339	W-13-4	10/3/19	1.00
14632	W-13-4	10/3/19	1.00
14633	W-13-4	10/3/19	1.00
14634	W-13-4	10/3/19	1.00
14635	W-13-4	10/3/19	2.00
14636	W-13-4	10/3/19	1.00
14641	W-12-2	10/3/19	1.00
1468	W-12-4	10/4/19	1.00
14871	W-12-4	10/4/19	1.00
14875	W-12-4	10/4/19	1.00
14877	W-12-4	10/4/19	1.00
14880	W-12-4	10/4/19	1.00
14896	W-12-4	10/4/19	1.00
14903	W-12-4	10/4/19	1.00
14919	W-12-4	10/4/19	1.00
11468	W-13-2	10/7/19	1.00
11470	W-13-2	10/7/19	2.00
11539	W-13-1	10/7/19	1.00
14367	W-13-2	10/7/19	1.00
14564	W-13-3	10/7/19	1.00
14565	W-13-3	10/7/19	1.00
14566	W-13-3	10/7/19	1.00
14615	W-13-1	10/7/19	1.00
5633	E-10-2	10/8/19	1.00
5635	E-10-2	10/8/19	2.00
5721	E-10-3	10/8/19	1.00
11469	W-13-2	10/8/19	1.00
12589	E-11-7	10/8/19	2.00
12590	E-11-7	10/8/19	1.00
12591	E-11-7	10/8/19	2.00
12592	E-11-7	10/8/19	1.00
12593	E-11-7	10/8/19	1.00
12594	E-11-7	10/8/19	1.00
12595	E-11-7	10/8/19	2.00
12596	E-11-7	10/8/19	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
14925	W-12-6	10/8/19	2.00
14940	W-12-6	10/8/19	1.00
16251	W-12-6	10/8/19	1.00
16253	W-12-6	10/8/19	1.00
73821	E-10-3	10/8/19	1.00
84113	E-11-7	10/8/19	2.00
126164	W-12-6	10/8/19	1.00
283453	E-11-8	10/8/19	1.00
284283	W-12-6	10/8/19	1.00
11350	W-13-4	10/9/19	2.00
11381	W-13-4	10/9/19	1.00
11382	W-13-4	10/9/19	2.00
11384	W-13-4	10/9/19	1.00
11386	W-13-4	10/9/19	1.00
11387	W-13-4	10/9/19	2.00
11471	W-13-2	10/9/19	1.00
11472	W-13-2	10/9/19	2.00
11591	W-13-3	10/9/19	1.00
14707	W-12-3	10/9/19	1.00
73819	E-10-3	10/9/19	1.00
129402	W-13-4	10/9/19	1.00
129403	W-13-4	10/9/19	2.00
129405	W-13-4	10/9/19	2.00
280704	W-13-4	10/9/19	1.00
280705	W-13-4	10/9/19	1.00
280710	E-10-3	10/9/19	1.00
280716	E-10-3	10/9/19	1.00
281889	W-12-3	10/9/19	1.00
284046	W-12-3	10/9/19	2.00
11588	W-13-3	10/10/19	1.00
11595	W-13-3	10/10/19	1.00
15014	W-12-5	10/10/19	1.00
15015	W-12-5	10/10/19	1.00
15016	W-12-5	10/10/19	1.00
15043	W-12-5	10/10/19	2.00
15044	W-12-5	10/10/19	2.00
15046	W-12-5	10/10/19	1.00
100040	W-13-3	10/10/19	1.00
133250	W-12-6	10/10/19	2.00
135410	W-12-6	10/10/19	2.00
283451	E-11-8	10/10/19	1.00
283452	E-11-8	10/10/19	2.00
284303	W-12-5	10/10/19	2.00
15007	W-12-5	10/14/19	1.00
15009	W-12-5	10/14/19	1.00
15011	W-12-5	10/14/19	1.00
15019	W-12-5	10/14/19	1.00
15020	W-12-5	10/14/19	1.00
126265	W-12-5	10/14/19	1.00
11303	W-12-5	10/15/19	3.00
14977	W-12-5	10/15/19	1.00
14981	W-12-5	10/15/19	1.00
14989	W-12-5	10/15/19	2.00
14994	W-12-5	10/15/19	1.00
14999	W-12-5	10/15/19	1.00
15022	W-12-5	10/15/19	1.00
15023	W-12-5	10/15/19	1.00
15025	W-12-5	10/15/19	2.00
15026	W-12-5	10/15/19	2.00
15029	W-12-5	10/15/19	2.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
15032	W-12-5	10/15/19	1.00
15033	W-12-5	10/15/19	2.00
126074	W-12-5	10/15/19	3.00
126170	W-12-6	10/15/19	2.00
126172	W-12-6	10/15/19	1.00
126173	W-12-6	10/15/19	1.00
126174	W-12-6	10/15/19	2.00
126175	W-12-6	10/15/19	2.00
126182	W-12-6	10/15/19	2.00
126183	W-12-6	10/15/19	2.00
126186	W-12-6	10/15/19	2.00
126187	W-12-6	10/15/19	1.00
126200	W-12-6	10/15/19	2.00
129929	W-12-5	10/15/19	2.00
283083	W-12-5	10/15/19	2.00
283462	W-12-5	10/15/19	2.00
283463	W-12-5	10/15/19	1.00
11497	W-13-2	10/16/19	2.00
11499	W-13-2	10/16/19	2.00
11500	W-13-2	10/16/19	2.00
82206	E-11-8	10/16/19	2.00
123854	W-13-2	10/16/19	1.00
280697	W-12-5	10/16/19	1.00
280700	W-12-5	10/16/19	1.00
282753	W-12-5	10/16/19	2.00
282754	W-12-5	10/16/19	1.00
283328	W-12-5	10/16/19	1.00
283329	W-12-5	10/16/19	1.00
11340	W-13-4	10/22/19	1.00
11345	W-13-4	10/22/19	1.00
11346	W-13-4	10/22/19	1.00
11351	W-13-4	10/22/19	1.00
11353	W-13-4	10/22/19	2.00
11473	W-13-2	10/22/19	2.00
11475	W-13-2	10/22/19	2.00
11476	W-13-2	10/22/19	2.00
11574	W-13-3	10/22/19	1.00
11600	W-13-3	10/22/19	2.00
14548	W-13-4	10/22/19	1.00
14549	W-13-4	10/22/19	2.00
14554	W-13-4	10/22/19	1.00
15004	W-12-5	10/22/19	1.00
15006	W-12-5	10/22/19	2.00
16091	W-12-6	10/22/19	1.00
126722	W-12-5	10/22/19	1.00
127994	W-13-3	10/22/19	1.00
129346	W-13-4	10/22/19	1.00
129404	W-13-4	10/22/19	2.00
137644	W-13-4	10/22/19	1.00
137646	W-13-4	10/22/19	1.00
280587	W-13-2	10/22/19	1.00
281888	W-13-3	10/22/19	2.00
281920	W-13-4	10/22/19	2.00
281921	W-13-4	10/22/19	1.00
281922	W-13-4	10/22/19	1.00
12571	E-11-7	10/23/19	2.00
12585	E-11-7	10/23/19	1.00
14324	W-12-6	10/23/19	2.00
14328	W-12-6	10/23/19	1.00
14343	W-13-4	10/23/19	1.00

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Manhole Facility ID #	Sub-Basin	Date	Rating
14344	W-13-4	10/23/19	1.00
14360	W-13-1	10/23/19	2.00
14624	W-13-4	10/23/19	2.00
14625	W-13-4	10/23/19	2.00
14793	W-13-1	10/23/19	1.00
14941	W-12-6	10/23/19	1.00
14943	W-12-6	10/23/19	2.00
15040	W-12-5	10/23/19	1.00
15041	W-12-5	10/23/19	1.00
15045	W-12-5	10/23/19	1.00
15055	W-12-6	10/23/19	1.00
126053	W-12-5	10/23/19	1.00
133251	W-12-6	10/23/19	1.00
172554	W-12-6	10/23/19	1.00
281682	E-11-8	10/23/19	1.00
281684	E-11-8	10/23/19	2.00
282318	W-12-6	10/23/19	1.00
282636	W-13-2	10/23/19	1.00
11357	W-13-4	10/24/19	2.00
11361	W-13-4	10/24/19	2.00
11362	W-13-4	10/24/19	1.00
11363	W-13-4	10/24/19	1.00
11364	W-13-4	10/24/19	1.00
11368	W-13-4	10/24/19	2.00
11370	W-13-4	10/24/19	2.00
11372	W-13-4	10/24/19	2.00
11438	W-13-3	10/24/19	2.00
14631	W-13-4	10/24/19	3.00
284372	W-13-3	10/24/19	1.00
11446	W-13-3	10/25/19	1.00
11390	W-13-4	10/28/19	2.00
11391	W-13-4	10/28/19	2.00
11392	W-13-4	10/28/19	2.00
11393	W-13-4	10/28/19	2.00
14326	W-12-6	10/28/19	3.00
14938	W-12-6	10/28/19	3.00
14957	W-12-6	10/28/19	2.00
82205	E-11-8	10/28/19	1.00
126270	W-12-5	10/28/19	2.00
282092	W-12-5	10/28/19	1.00
4366	E-10-3	10/29/19	1.00
5628	E-10-2	10/29/19	1.00
5687	E-10-1	10/29/19	1.00
5688	E-10-1	10/29/19	1.00
5705	E-10-1	10/29/19	1.00
5748	E-10-1	10/29/19	1.00
5754	E-10-3	10/29/19	1.00
5764	E-10-3	10/29/19	1.00
5770	E-10-3	10/29/19	1.00
12575	E-11-7	10/29/19	1.00
12576	E-11-7	10/29/19	2.00
15128	E-10-3	10/29/19	1.00
15129	E-10-3	10/29/19	1.00
15678	W-8-1	10/29/19	2.00
281278	E-10-2	10/29/19	2.00
281890	E-10-3	10/29/19	1.00
282836	W-8-1	10/29/19	2.00
283812	E-10-2	10/29/19	1.00
1492	W-12-1	10/30/19	1.00
5715	E-10-1	10/30/19	2.00

TABLE 7-7

Manhole Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
5716	E-10-1	10/30/19	1.00
5773	E-10-3	10/30/19	1.00
15013	W-12-5	10/30/19	1.00
279450	E-11-8	10/30/19	1.00
279451	E-11-8	10/30/19	1.00
279452	E-11-8	10/30/19	1.00
279453	E-11-8	10/30/19	2.00
279454	E-11-8	10/30/19	1.00
5643	E-10-2	10/31/19	1.00
11580	W-13-3	10/31/19	2.00
14651	W-12-2	10/31/19	1.00
15038	W-12-5	10/31/19	1.00
15057	W-12-6	10/31/19	1.00
100804	W-12-1	10/31/19	2.00
125649	W-13-3	10/31/19	1.00
280874	W-12-6	10/31/19	1.00
5617	E-10-2	11/4/19	1.00
5632	E-10-2	11/4/19	2.00
4752	W-9-2	11/5/19	1.00
5627	E-10-2	11/5/19	1.00
5719	E-10-3	11/5/19	1.00
8133	W-9-4	11/5/19	1.00
8136	W-9-4	11/5/19	2.00
9018	W-8-1	11/5/19	1.00
9019	W-8-1	11/5/19	2.00
9024	W-8-1	11/5/19	2.00
9025	W-8-1	11/5/19	2.00
11412	W-13-3	11/5/19	2.00
15159	E-10-2	11/5/19	1.00
127131	W-12-5	11/5/19	1.00
170839	W-13-1	11/5/19	2.00
170840	W-13-1	11/5/19	1.00
281863	E-10-3	11/5/19	1.00
5636	E-10-2	11/6/19	1.00
11555	W-13-3	11/6/19	2.00
11558	W-13-3	11/6/19	2.00
11559	W-13-3	11/6/19	1.00
11560	W-13-3	11/6/19	1.00
14349	W-13-1	11/6/19	2.00
14616	W-13-1	11/6/19	2.00
14617	W-13-1	11/6/19	2.00
73822	E-10-1	11/6/19	1.00
281988	W-12-3	11/6/19	1.00
11349	W-13-4	11/7/19	1.00
14557	W-13-4	11/8/19	1.00
16252	W-12-6	11/8/19	1.00
5774	E-10-3	11/13/19	1.00
11416	W-13-3	11/18/19	1.00
11602	W-13-3	11/18/19	1.00
284275	W-12-6	11/18/19	1.00
14787	W-13-1	11/20/19	1.00
14985	W-12-5	11/20/19	1.00
14988	W-12-5	11/20/19	1.00
138991	W-13-2	11/20/19	1.00
11535	W-13-3	11/21/19	2.00
11536	W-13-3	11/21/19	2.00
11537	W-13-3	11/21/19	1.00
11546	W-13-2	11/21/19	1.00
11596	W-13-3	11/21/19	1.00
11597	W-13-3	11/21/19	1.00

TABLE 7-7

Manhole Inspections

July 1, 2019 through December 31, 2019 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
14347	W-13-1	11/21/19	1.00
14670	W-12-3	11/21/19	2.00
14716	W-12-3	11/21/19	2.00
280652	W-13-3	11/21/19	2.00
282928	W-13-3	11/21/19	2.00
5655	E-10-2	11/22/19	1.00
282091	E-10-2	11/22/19	1.00
4749	W-9-2	11/25/19	1.00
4750	W-9-2	11/25/19	1.00
5620	E-10-2	11/25/19	1.00
14990	W-12-5	11/25/19	1.00
284339	W-13-4	12/3/19	2.00
284343	W-13-4	12/3/19	1.00
284354	W-13-4	12/3/19	2.00
129350	W-13-4	12/16/19	1.00
284340	W-13-4	12/16/19	1.00
16219	W-12-6	12/23/19	1.00
284313	E-10-2	12/23/19	1.00
14923	W-12-6	12/27/19	2.00
284211	W-12-5	12/27/19	1.00
Total Manholes Inspected *			1,220

* Total includes 2 inspections that were not submitted in SAR 2019-1

TABLE 11-1

SSRMP Capacity Related SSO Release Locations

July 1, 2019 through December 31, 2019 Reporting Period

System	Sewershed	Start Date	End Date	SSO Group	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Precipitaion (in)
E	SSS	11/30/2019 9:15 AM	12/1/2019 4:00 AM	Lincoln Avenue	6601 E Oak Street	5840	5841	22948	18.75	28,125	3.27
W	SSS	11/30/2019 8:30 AM	11/30/2019 5:00 PM	Mill Road	711 W Mill Road	280751	3786	27329	8.5	25,500	3.27
W	CSS	11/30/2019 9:00 AM	11/30/2019 1:30 PM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	4.5	27,000	3.27

TABLE 12-1

Decree Deliverables Listing

July 1, 2019 through December 31, 2019 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 at 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 LTC 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				

TABLE 12-1

TABLE 12-1

Decree Deliverables Listing

July 1, 2019 through December 31, 2019 Reporting Period

Deliverable	Date Due	Submitted to Agencies	Agency Review Status	Date Comments Received	Date Comment Response Submitted
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-2012	
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	
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 correspondance 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 USEPA 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	

TABLE 12-1

TABLE 12-1

Decree Deliverables Listing

July 1, 2019 through December 31, 2019 Reporting Period

Deliverable	Date Due	Submitted to Agencies	Agency Review Status	Date Comments Received	Date Comment Response Submitted
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 revised IOCP	6-Jul-2017	8/31/2017 Approval			
Submit SAR 2017-1	1-Sep-2017	1-Sep-2017	No comments received		
2017 Combined Sewer Overflow Operation Plan Update	1-Nov-2017	1-Nov-2017	No comments received		
Control Measure 1 - Bee Slough Drainage Pipeline - Achievement of Full Operation	1-Jan-2018	19-Dec-2017			
Small Diameter Sewer Cleaning and Inspection Cycle 1 Completion	31-Jan-2018	31-Jan-2018	No comments received		
Submit SAR 2017-2	1-Mar-2018	1-Mar-2018	No comments received		
Control Measure 4 - Cleaning and Inspection of the PCI - Achievement of Full Operation	1-Jan-2022	29-May-2018			
Ongoing discussions and information exchange with EPA and IDEM regarding finalization of the IOCP during the reporting period					
Submit SAR 2018-1	31-Aug-2018	1-Sep-2018	No comments received		
2018 Combined Sewer Overflow Operation Plan Update	1-Nov-2018	1-Nov-2018	No comments received		
Submit SAR 2018-2	1-Mar-2019	1-Mar-2019	No comments received		
Submit SAR 2019-1	30-Aug-2019	1-Sep-2019	No comments received		
2019 Combined Sewer Overflow Operation Plan Update	1-Nov-2019	1-Nov-2019	No comments received		
27 Complete Full Implementation of the IOCP	31-May-2041				
28 Complete Post Construction Monitoring	31-May-2042				
29 Submit Post Construction Monitoring Report	31-May-2043				

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

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

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

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

TABLE 12-2

Non-IOCP Capital Investments

July 1, 2019 through December 31, 2019 Reporting Period and preceding 3.5 year period

Investment Number	Service Area	Project Type	Long Description	2012 Planning Level Submitted Capital Costs	Commence Construction	AFO	Actual Total Project Cost (2015)
S0001	West	Lift Station	Design and Construction of Cantex conversion to submersible pumps at the Beverly Heights lift station	\$300,000	12/06/2017	12/31/2018	235,545.68
S0003	East	Lift Station	Design and Construction of lift station improvements for the Cross Point lift station	\$625,000	12/11/2018	12/31/2019	267,639.51
S0002	East	CSO	Design and Construction of CASS CSO flow monitoring improvements and pipe extention	\$1,200,000	2/16/2017	12/31/2018	1,291.84
S0004	East	Lift Station	Design and Construction of a new force main for the Eagles lift station replacement	\$1,092,000	12/16/2016	12/31/2018	144,670.64
S0009	West	Lift Station	Design and Construction of lift station improvements for the North Park lift station replacement	\$293,000	6/20/2018	12/31/2018	355,676.79
S0010	East	Lift Station	Construction to convert existing Oak Grove lift station from a Cantex to a submersible pump station	\$583,000	12/6/2017	12/31/2018	295,017.62
S0012	West	West Treatment Plant	Odor Control Biofilter for Gravity Belt Thickener Building	\$250,000	11/06/2017	12/31/2019	509,052.45
S0015	All	Collection	Study to inspect, evaluate, and prioritize all sanitary sewer siphons	\$145,000	2/13/2018	12/31/2018	145,159.17
S0018	East	Lift Station	Design and Construction of lift station improvements at Regal Eight lift station		06/11/2018	7/31/2019	182,893.41
S0019	All	Lift Station	Annual SCADA upgrades and Project Programming / Integration required	\$300,000	2/3/2016	12/31/2018	205,335.35
S0022	East	Lift Station	Design and Construction of Cantex lift station conversion to submersible pumps at Twickenham lift station	\$390,000	12/15/2016	12/31/2018	84,131.52
S0023	East	Lift Station	Design and Construction of lift station improvements at the Wazny Way lift station and CMOM 3.0 requirements	\$402,000	12/13/2017	12/31/2018	225,990.99
S0024	All	Vehicles	Replacement Vehicle #548-2000 - Engineering PM Pool Vehicle SUV	\$24,800	2/16/2016	5/20/2016	23,259.89
S0027	All	Vehicles	Replacement Vehicle #524-2006 4x4 SUV	\$26,200	2/16/2016	5/27/2016	23,259.89
S0028	All	Vehicles	Replacement Vehicle #526-1999 SUV	\$35,000	2/16/2016	4/18/2016	23,259.89
S0029	All	Vehicles	Replacement Vehicle #533-2006 Crew Van	\$36,000	2/16/2016	5/27/2016	23,259.89
S0030	All	Vehicles	Replacement Vehicle #534-1996 Pickup F-350	\$40,000	2/25/2016	6/7/2016	29,281.73
S0031	All	Vehicles	Replacement Vehicle #545-2002 Pickup F-250	\$32,000	2/25/2016	6/7/2016	29,281.73
S0033	All	Equipment	Replace Water Planning Generator #277	\$10,000	7/14/2016	7/14/2016	5,996.40
S0034	All	Equipment	Replace CCTV Camera #277	\$21,000	6/25/2018	12/31/2018	54,681.43
S0035	All	Equipment	Replace CCTV Reel 8, Cable #277	\$22,000	6/25/2018	12/31/2018	7,240.03
S0039	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	\$156,000	2/1/2016	12/31/2018	138,527.99
S0041	East	Lift Station	Design and Construction of Greencove lift station replacement	\$342,000	12/10/2018	6/30/2019	510,973.66
S0043	All	Lift Station	Air Release Valve Replacement Program	\$300,000	2/11/2016	12/31/2018	152,338.37
S0045	East	East Treatment Plant	1.2.7.1.2 Replace Secondary Blower Building Roof	\$20,000	8/25/2016	12/31/2016	24,259.57
S0046	East	East Treatment Plant	1.2.14.7.1 Polymer Feed System	\$150,000	4/18/2017	12/31/2017	2,198.78
S0047	East	East Treatment Plant	1.2.18.2 Sludge Building Roof	\$300,000	8/25/2016	9/28/2016	342,098.56
S0050	West	West Treatment Plant	1.1.14.7.1 Polymer Feed System	\$150,000	9/11/2017	12/31/2018	41,125.44
S0051	All	Collection	On Call Realtor Contract for opinion costs related to easement needs	\$10,000	5/25/2016	12/31/2018	247,445.65
S0055	All	Vehicles	Replacement Vehicle #547-2006 Pickup	\$46,000	11/22/2016	2/22/2017	30,122.05
S0056	All	Vehicles	Replacement Vehicle #550-1999 4-Dr Sedan	\$25,500	11/22/2016	2/6/2017	24,180.14
S0057	All	Vehicles	Replacement Vehicle #551-1999 Pickup	\$25,500	11/22/2016	2/13/2017	30,122.05
S0058	All	Equipment	Replacement Vac Truck #584-2004 Sterling Truck Vac Truck	\$232,000	3/3/2017	6/19/2017	374,624.43
S0059	All	Equipment	Sewer Line Rapid Assessment Tool SL-RAT	\$22,000	7/20/2016	9/12/2016	22,765.00

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Investment Number	Service Area	Project Type	Long Description	2012 Planning Level Submitted Capital Costs	Commence Construction	AFO	Actual Total Project Cost (2015)
S0060	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	\$156,000	8/2/2017	12/31/2017	69,849.12
S0065	West	West Treatment Plant	1.1.22.1 Paving	\$250,000	12/5/2016	12/31/2017	451,290.67
S0066	West	West Treatment Plant	1.1.22.2 Fencing	\$125,000	12/2/2016	12/31/2017	36,970.85
S0067	All	Collection	On Call Realtor Contract for opinion costs related to easement needs	\$10,000	5/25/2016	12/31/2018	247,445.65
S0072	All	Equipment	Replacement Vehicle #501-2014 Construction Backhoe Case 590SM III	\$103,000	4/26/2018	5/31/2018	66,211.73
S0074	All	Equipment	Replacement Equipment Excavator 290	\$238,000	7/23/2018	12/31/2018	165,248.29
S0081	All	Vehicles	Replacement Vehicle #570-1996 CCTV Van	\$152,000	03/21/2019	12/31/2019	306,702.76
S0085	West	Lift Station	New Proposed Creamery Road Lift Station, Regional lift station along University parkway	\$11,500,000	11/29/2017	12/31/2018	14,789.10
S0109	All	Equipment	Replacement Vac Truck 4587-2014 Vactor	\$264,000	6/25/2018	12/31/2018	409,496.28
S0242	West	West Treatment Plant	1.1.17.2.1 VFD#1 - CCM 2019.05.09	\$20,000	5/15/2019	5/30/2019	25,721.87
S0289	West	West Treatment Plant	1.1.19.1 Generator and Transfer Switch	\$300,000	12/31/2017	2/8/2018	62,283.64
S0448	West	Lift Station	Design and Construction of Locust Tree Lane lift station equipment rehabilitation	\$135,000	5/25/2016	12/31/2018	285,777.51
S0449	West	Lift Station	Design and Construction of North Park lift station equipment rehabilitation	\$147,000	5/25/2016	12/31/2018	44,895.60
S0488	East	Lift Station	Design and Construction of Chickasaw lift station equipment rehabilitation	\$201,000	9/28/2017	12/31/2018	381,906.21
S0517	East	Lift Station	Design and Construction of Valley Downs lift station replacement - Includes Greencove & Mystic Creek	\$463,000	4/19/2018	12/31/2018	123,073.74
S0632	East	Lift Station	Design and Construction of Carriage House lift station equipment rehabilitation	\$201,000	4/16/2018	12/31/2018	17,449.77
S0635	East	Lift Station	Design and Construction of Plaza Drive lift station replacement	\$342,000	2/24/2017	12/31/2018	180.21
S1000	All	Collection	2017 Manhole Installation Project #2		5/30/2017	12/31/2018	804,951.38
S1001	East	Equipment	Kubota ZD11211-60 Mower CCM 2019.01.31		6/3/2019	6/30/2019	12,793.36
S1005	All	Lining	Collection System Lining - Annual Large Diameter Lining (Acct 444064)		3/15/2017	7/31/2019	2,199,389.04
S1012	East	Collection	Cross Point Lift Station 6" Force Main Bypass		9/28/2017	11/30/2017	19,272.84
S1019	All	Equipment	Purchase new Trailer for bigger Mini Excavator		12/31/2017	1/31/2018	5,362.27
S1020	East	Equipment	Replacement of small New Holland Tractor		12/31/2017	1/31/2018	28,838.74
S1021	Plants	Equipment	Waste Treatment Plants Secondary Clarifier Rehabilitation		10/20/2017	12/31/2018	104,796.90
S1022	All	Equipment	Solar Panel Installations - Allens Lane		10/17/2017	3/31/2018	176,918.70
S1023	All	Equipment	Solar Panel Installations - Millersburg Road		10/17/2017	3/31/2018	115,039.57
S1027	West	Lift Station	Teledyne ISCO Flow Meter for 7th Avenue Lift Station		12/31/2017	1/31/2018	21,564.66
S1028	West Plant	Equipment	West Secondary Building Rehabilitation Project		10/05/2017	12/31/2019	2,497,556.65
S1029	West Plant	Equipment	West Wastewater Treatment Plant Secondary Control Building Improvements		09/28/2017	12/31/2019	161,357.30
S1030	All	Plants	Biosolids Management Plan - Phase II		11/6/2017	6/25/2018	96,098.04
S1032	All	Collection	Wedeking Avenue - Gravity Main Replacement		1/1/2018	2/15/2018	67,060.65
S1033	All	Collection	Sunset Avenue Sewer Replacement		1/1/2018	2/15/2018	30,727.18
S1034	All	Collection	Florence Street Sewer Replacement		11/1/2017	3/29/2018	377,566.65
S1036	Plants	Equipment	East-West Secondary Clarifier Rehabilitation Project - Clarifier Equipment from Evoqua and Nefco		2/26/2018	12/31/2018	114,633.01

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Investment Number	Service Area	Project Type	Long Description	2012 Planning Level Submitted Capital Costs	Commence Construction	AFO	Actual Total Project Cost (2015)
S1036	Plants	Equipment	East-West Secondary Clarifier Rehabilitation Project - Clarifier Equipment from Evoqua and Nefco		02/26/2018	7/31/2019	223,520.25
S1037	All	Equipment	Atlas JSV-6000 Crew Diesel ATV for Easement and Offroad Sewer Inspections		4/12/2018	4/12/2018	18,024.97
S1038	All	Equipment	CUES "Truck in a Box" for Easement and Offroad Sewer Inspections (Includes Trailer)		4/12/2018	4/12/2018	140,517.26
S1039	All	Equipment	CUES Mudmaster for Large Diameter Sewer Inspection		5/24/2018	5/24/2018	38,110.94
S1041	All	Collection	Hydraulic Units (For Interceptor and Outfall Gates) at Baker, Delaware, and Dresden Street CSO Structures		6/11/2018	12/31/2018	65,104.34
S1042	Lift Station	Collection	Cross Point Lift Station Remove/Replace all Piping and Pumps		5/3/2018	12/31/2018	103,504.04
S1043	All	Equipment	PR16 Series 72" Powered Rake		4/26/2018	5/31/2018	6,008.32
S1044	West	West Treatment Plant	(2) Aerzen Blowers due to Heavy Silt Concentration		4/26/2018	12/31/2018	17,072.79
S1047	All	Equipment	(2) Kleen Sight Camera Nozzles		4/26/2018	5/31/2018	75,857.07
S1048	West	West Treatment Plant	119 HP BAF Influent Pump #1 CCM 2018.06.07		06/11/2018	7/31/2019	21,815.61
S1049	All	Equipment	CUES Push Camera CCM 2018.06.07		6/11/2018	7/31/2018	11,629.01
S1050	All	Collection	Delaware Street 5th / 6th Avenue Re-Grouting of 450' of 60" Sewer.		06/25/2018	12/31/2019	125,713.38
S1051	All	Collection	Pump Rehabilitation & Repair - Eagles, Pfeiffer Road, and Daylight South Lift Stations. CCM 2018.06.21		6/25/2018	12/31/2018	18,754.07
S1052	All	Equipment	2007 Case 850 Dozer		6/25/2018	7/31/2018	41,670.63
S1054	All	Equipment	Western Star 4700 Chassis with Dump Body Triaxle Truck CCM 2018.08.02		8/8/2018	8/21/2018	141,763.50
S1055	All	Equipment	Agilent 5110 VDV ICP-OES Spectrophotmeter		8/8/2018	12/31/2018	104,733.15
S1057	Plants	East Treatment Plant	Methane Production Co-Generation Project		08/22/2018	12/31/2019	394,543.96
S1058	All	Collection	Riverside & Vann Lift Station Storm Sewer Rehab		5/31/2018	12/31/2018	233,549.37
S1059	Lift Station	Lift Station	7th Avenue Lift Station - Rebuild 235 HP Flygt Drywell Submersible Pump		10/19/2018	12/31/2018	36,625.90
S1060	Lift Station	Lift Station	Weinbach Lift Station - Replacement HVAC Air Handler		10/19/2018	7/31/2019	23,326.82
S1062	All	Collection	Franklin Street 60" Sewer Repair		11/14/2018	12/31/2018	42,232.70
S1063	Lift Station	Equipment	Pfeiffer Road Lift Station - (2) Yaskawa Variable Frequency Drive		11/14/2018	7/31/2019	25,823.47
S1064	East	Lift Station	Design and Construction of Airport lift station resized for load - Includes Crosspoint LS		12/11/2018	7/31/2019	253,941.02
S1065	All	Collection	Allen's Lane & Kratzville Rd - (180') of Sanitary Sewer		12/10/2018	3/31/2019	119,514.31
S1066	Plants	Equipment	Secondary Clarifiers - Pipe Cleaning Equipment		12/10/2018	12/31/2018	36,721.95
S1067	West	West Treatment Plant	200 HP ABS Dry Pit Submersible Pump for BAF CCM 2019.01.31		2/4/2019	2/4/2019	31,498.82
S1068	West	West Treatment Plant	(2) Aerzen Blowers for BAF CCM 2019.01.31		2/4/2019	2/28/2019	16,465.50
S1070	Lift Station	Lift Station	7th Avenue Lift Station - Elevator Rehabilitation		01/15/2019	12/31/2019	792.83
S1071	All	Equipment	Replacement Vehicle #501-2038 Construction Backhoe Case 590SM III		3/4/2019	3/31/2019	101,127.93
S1072	Plants	Equipment	(3) 6712FR ISCO Refrigerated Wastewater Samplers CCM 2019.02.28		3/4/2019	3/31/2019	22,988.41
S1079	East	Lift Station	Keystone Lift Station - (2) Myers 4" Non-Clog Submersible Pumps - CCM 2019.05.09		5/15/2019	6/30/2019	20,525.24
S1080	All	Collection	Ogden Drive Sewer Rehabilitation - CCM 2019.05.09		05/15/2019	12/31/2019	314,481.21
S1082	All	Equipment	MXC Multihog Articulated Tractor - CCM 2019.05.23		06/03/2019	12/31/2019	339,472.23
S1083	East	Equipment	Kubota Zero Radius Turn 60" Mower		6/3/2019	6/30/2019	5,405.65

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Investment Number	Service Area	Project Type	Long Description	2012 Planning Level Submitted Capital Costs	Commence Construction	AFO	Actual Total Project Cost (2015)
S1084	All	Vehicles	Mark 3 Inspection Vehicle CCTV - CCM 2019.05.23		6/3/2019	6/30/2019	54,016.79
S1085	All	Equipment	iTracking Wireless Inflow & Infiltration Detection Monitors - CCM 2019.05.23		06/03/2019	7/30/2019	10,158.11
S1089	All	Collection	Replace 60" of twenty-four inch brick sewer on Second Street		06/10/2019	12/31/2019	74,778.11
S1090	East	East Treatment Plant	East WWTP Sludge Storage Building Project		07/01/2019	12/31/2019	642,819.63
S1094	Lift Station	Lift Station	Mystic Creek Lift Station - Automation Enclosures		09/06/2019	12/31/2019	20,624.34
S1907	All	Collection	Ravenswood-Bennighoff Sewer Repair		09/18/2019	12/31/2019	49,340.04
Cumulative Actual Total Project Cost (2015 dollars)							18,380,501.14

*Investment Numbers \$1000 or greater are capital investments not identified in Appendix I