



Investing in clean water resources

Semi-Annual Report 2020-2

July 1, 2020 through December 31, 2020

Submitted

March 1, 2021



Prepared by

EVANSVILLE WATER & SEWER UTILITY

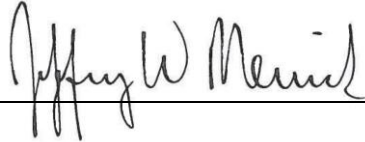
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SUBMITTAL AUTHORIZATION

Approved By:

A handwritten signature in black ink, appearing to read "Jeffrey W. Merrill", is written over a horizontal line.

March 1, 2021

Date

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

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Acronyms and Abbreviations

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

SECTION 1

Introduction

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

This SAR describes the Utility's compliance with Decree Cause No. 3:09-cv-128-WTL-WGH for the July 1, 2020 through December 31, 2020 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 2020-1 (September 1, 2020)
- Submitted 2020 Combined Sewer Overflow Operation Plan (CSOOP) Update (October 30, 2020)
- Completed 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 seven 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)
- Initiated AFP – Wetlands Pumping and CSO Conveyance project
- Continued construction of the West WWTP Storage Facility
- Continued construction for Contract A (Sunrise Pump Station) of the East WWTP Effluent Pump Station Project
- Continued construction for Contract B (Sunrise Cascade & Overlook) of the East WWTP Effluent Pump Station Project
- Continued construction for Contract C (Underground Piping Phase 1) of the East WWTP Effluent Pump Station Project
- Continued construction for the West WWTP expansion project
- Continued construction for the Phase II portion of the East WWTP expansion
- Initiated construction for the Bonnieview and Oak project in the Lloyd Expressway Basin
- Continued 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)

SECTION 2

Dry Weather Overflows



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

SECTION 3

SSO and CSS Release Documentation and Reporting

Section 3 presents information regarding separate SSO and CSS releases.

3.1 SSO and CSS Releases

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

The locations of SSO and CSS releases during the July through December 2020 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 four additional sanitary pump stations (Interstate Crossing, Cass Avenue, Cass Adams, and Creamery Road) that were installed with overflow alarms. In addition, the Utility has eliminated four sanitary pump stations (Hawthorne Frisse, Tonia Court, Busler, and Oak Meadow #3). Therefore, each of the Utility's 90 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 2020 CSO Operation Plan update October 30, 2020.

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 FOG awareness campaign was ongoing 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:

- The Utility updated the Policy for Design, Installation, and Maintenance of FOG Removal Systems document to include mobile food service operator requirements and updated grease trap schematics. The Utility Board approved this document on August 4, 2020.
- 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.
- 193 grease trap inspections (26% of the total) were conducted during the reporting period.
- The Utility issued zero fines and 5 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, 10,455 linear feet of sewer segments in the SSS 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 90 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 Interstate Crossing, Cass Avenue, Cass Adams, and Creamery Road pump stations. These sanitary pump stations were constructed to comply with Ten State Standards. Additionally, since 2010, the Utility has eliminated the Hawthorne Frisse, Tonia Court, Busler, and Oak Meadow #3 pump stations. Therefore, all 90 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, 3.6 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	120,677	22.9	5.0
Total	3,333,023	120,677	22.9	3.6

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 2020, the Utility cleaned 76.4 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 120,677 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 2020, the Utility inspected 76.4 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 were four such CCTV inspection completed for the reporting period.

7.2.4 Manhole Inspections

During the reporting period, 455 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 90 sanitary pump stations are 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, since 2019, the Utility has eliminated four (4) pump stations.

7.2.7 Additional Information Regarding CMOM Adherence

During the previous reporting period, the Utility completed the 2018 annual CIPP lining project which resulted in 1.10 miles of large diameter sewers and 1.33 miles of small diameter sewers receiving lining rehabilitation. Additionally, during the reporting period, the Utility completed the 2019 annual CIPP lining project which resulted in 0.57 miles of large diameter sewers receiving lining rehabilitation.

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 2020.

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://cso.ewsu.com>.

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 seven projects.
- Drainage Pipelines between Bee Slough and the East WWTP: Completed 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
- Initiated AFP – Wetlands Pumping and CSO Conveyance project
- Continued construction of the West WWTP expansion
- Continued construction of the West WWTP Storage Facility
- Continued construction of Contracts A, B, and C of the East WWTP Effluent Pump Station
- Continued construction for the Phase II portion of the East WWTP expansion

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- Initiated construction of the Bonnieview and Oak project in the Lloyd Expressway Basin
- Continued 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 projects 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: Initiated construction for the Bonnieview and Oak project.
- Oak Hill Sewer Separation Projects: Continued 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 and West CSS modeling during typical years have yielded different target CSO volumes and peak discharges at many of the CSOs. 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 commenced construction or achieved full operation during the reporting period and the preceding 4.5-year period.

Figure

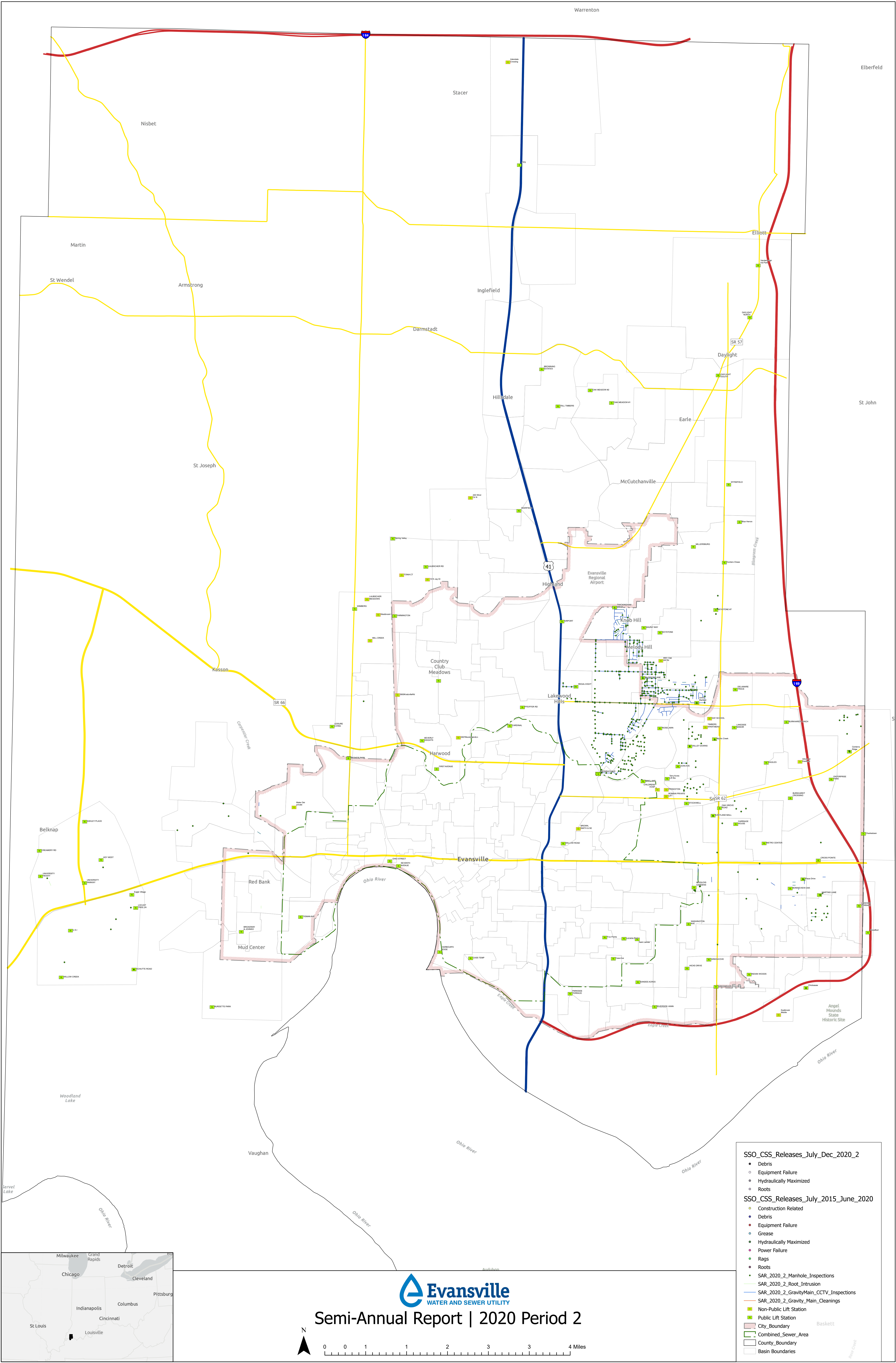


TABLE 3-1
SSO and CSS Releases
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	CSS	12/30/2020 10:30 PM	12/31/2020 3:30 AM	900 S Tekoppel Avenue	11298	8420	23658	5	30,000	Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/25/2020 5:15 AM	11/25/2020 10:45 AM	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
W	CSS	11/25/2020 5:00 AM	12/4/2020 10:30 AM	900 S Tekoppel Avenue	11298	8420	23658	36	432,000	Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/23/2020 11:45 AM	11/23/2020 5:30 PM	700 Boehne Camp Road	11465	11466	21549	5.75	3,450	Carpenter Creek Tributary	Equipment Failure	Broken section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	10/29/2020 5:00 AM	10/29/2020 10:00 AM	600 Drexel Drive	126200	280660	12994	5	15,000	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	10/29/2020 5:00 AM	10/29/2020 9:00 AM	2024 Allens Lane	4760	131690	13561	4	24,000	Locust Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	10/29/2020 4:30 AM	10/29/2020 10:00 AM	2701 Saint George Road	7451	7450	8659	5.5	33,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	10/29/2020 4:15 AM	10/29/2020 6:00 PM	1187 Burch Drive	10918	10923	24226	6.75	40,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	10/29/2020 4:00 AM	10/30/2020 3:00 AM	6601 E Oak Street	5840	5841	22948	5.75	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	10/29/2020 4:00 AM	10/29/2020 8:00 PM	5317 Hitch Peters Road	7480	7479	23717	6	30,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	10/29/2020 3:30 AM	10/29/2020 7:00 PM	2020 S Green River Road	10097	10103	25087	4	24,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	10/29/2020 3:00 AM	10/29/2020 7:30 PM	2401 Cass Avenue	282990	282989	29577	3	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	10/29/2020 3:00 AM	10/29/2020 7:30 PM	1641 S Taft Avenue	283021	3364	29606	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	10/29/2020 3:00 AM	10/29/2020 10:00 AM	4320 N First Avenue	283044	121061	15426	7	42,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	10/29/2020 2:45 AM	10/29/2020 8:00 AM	711 W Mill Road	280751	3786	27329	5.25	69,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	10/29/2020 2:30 AM	10/29/2020 6:30 AM	99 W Diamond Avenue	15683	15677	22438	4	96,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	10/24/2020 10:50 AM	10/24/2020 2:30 PM	10324 Wilmington Drive	12954	12935	8808	3.67	440	Ground/Little Pigeon Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	CSS	10/19/2020 8:00 AM	10/20/2020 3:00 AM	900 S Tekoppel Avenue	11298	8420	23658	19	69,000	Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/3/2020 6:30 AM	9/3/2020 10:30 AM	900 S Tekoppel Avenue	11298	8420	23658	4	48,000	Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/2/2020 2:15 AM	9/2/2020 4:00 AM	900 S Tekoppel Avenue	11298	8420	23658	5	21,000	Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	8/27/2020 4:30 PM	8/27/2020 9:30 PM	900 S Tekoppel Avenue	11298	8420	23658	5	60,000	Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/12/2020 9:30 AM	8/12/2020 2:00 PM	214 S Rosenberger Avenue	28437	11267	26772	4.5	5,400	Tributary	Equipment Failure	Defective section of main sewer	Contractor replaced section of main sewer	Yes	No	Yes
W	SSS	8/3/2020 11:30 AM	8/3/2020 8:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	8/3/2020 11:30 AM	8/3/2020 8:00 PM	5317 Hitch Peters Road	7480	7479	23717	4.25	25,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/3/2020 11:00 AM	8/3/2020 6:00 PM	99 W Diamond Avenue	15683	15677	22438	4	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	8/3/2020 11:00 AM	8/3/2020 8:00 PM	4320 N First Avenue	283044	121061	15426	7	42,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	8/3/2020 10:45 AM	8/3/2020 5:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.25	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	8/1/2020 7:00 AM	8/1/2020 9:00 AM	8440 Wolf Creek Drive	280844	14951	26416	2	1,200	Tributary	Equipment Failure	Pump failure at Key West lift station	Restored pump operation	Yes	No	NA
W	CSS	7/31/2020 7:30 PM	8/4/2020 9:00 PM	900 S Tekoppel Avenue	11298	8420	23658	29	348,000	Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/31/2020 6:30 PM	7/31/2020 9:30 PM	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
W	SSS	7/31/2020 6:15 PM	8/3/2020 9:00 PM	711 W Mill Road	280751	3786	27329	11.25	67,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/24/2020 8:45 AM	7/24/2020 10:00 AM	508 Holly Hill Drive	127135	127136	12167	1.25	375	Storm Retention Pond	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	7/1/2020 11:00 AM	7/1/2020 6:30 PM	890 Pfeiffer Road	9854	9760	15495	7.5	180,000	Little Pigeon Creek	Equipment Failure	Pump failure at Pfeiffer Road lift station	Restored pump operation	Yes	No	NA
W	SSS	6/30/2020 6:00 PM	7/1/2020 5:00 AM	600 Drexel Drive	126200	280660	12994	11	16,500	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	6/28/2020 11:00 AM	6/28/2020 2:00 PM	2401 Cass Avenue	282990	282989	29577	3	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	6/28/2020 9:15 AM	6/28/2020 11:00 AM	2024 Allens Lane	4760	131690	13561	1.75	5,250	Locust Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	6/28/2020 9:00 AM	6/30/2020 6:30 PM	600 S Barker Avenue	8406	283165	23743	2	24,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/28/2020 8:00 AM	6/28/2020 2:00 PM	1641 S Taft Avenue	283021	3364	29606	6	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	6/28/2020 8:00 AM	6/30/2020 11:00 PM	2018 Maxwell Avenue	5125	5124	22003	7	84,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/28/2020 8:00 AM	6/28/2020 10:00 AM	4320 N First Avenue	283044	121061	15426	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
E	CSS	6/28/2020 7:30 AM	6/28/2020 10:45 AM	1475 E Diamond Avenue	12210	12209	14882	3.25	5,375	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/28/2020 7:30 AM	6/28/2020 11:30 AM	711 W Mill Road	280751	3786	27329	4	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/15/2020 9:30 AM	6/15/2020 11:30 AM	19620 Highway 41 N	NA	NA	10473	2	600	Tributary	Equipment Failure	Broken section of force main sewer	Replaced section of force main sewer	Yes	No	NA
W	CSS	5/22/2020 8:00 AM	5/22/2020 1:30 AM	10701 Petersburg Road	12892	12894	14442	5.5	1,650	Firlick Creek	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	5/17/2020 8:30 PM	5/16/2020 1:30 AM	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	5/17/2020 8:30 PM	5/16/2020 1:30 AM	1187 Burch Drive	10918	10923	24226	5	7,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/17/2020 8:15 PM	5/16/2020 12:15 AM	600 Drexel Drive	126200	280660	12994	4	12,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/16/2020 6:00 PM	5/16/2020 10:15 PM	6501 E Oak Street	5863	5840	14397	4.25	21,750	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, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
E	SSS	5/16/2020 6:00 PM	5/18/2020 1:00 AM	6601 E Oak Street	5840	5841	22948	7.25	21,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	5/16/2020 4:30 PM	5/17/2020 10:00 PM	1475 E Diamond Avenue	12210	12209	14882	4	5,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/16/2020 4:30 PM	5/18/2020 1:30 AM	711 W Mill Road	280751	3786	27329	8	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	5/16/2020 4:15 PM	5/16/2020 6:30 PM	99 W Diamond Avenue	15683	15677	22438	2.25	54,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	5/16/2020 4:00 PM	5/16/2020 5:15 PM	600 S Barker Avenue	8406	283165	23743	1.25	15,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/10/2020 7:45 PM	5/11/2020 8:30 PM	11110 Pinewood Circle	10880	10881	15772	24.75	4,500	Tributary	Equipment Failure	Broken section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	4/25/2020 4:45 PM	4/25/2020 9:15 PM	1187 Burch Drive	10918	10923	24226	4.5	6,750	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/25/2020 4:30 PM	4/25/2020 9:00 PM	5317 Hitch Peters Road	7480	7479	23717	4.5	13,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/20/2020 5:00 PM	4/20/2020 6:00 PM	4630 Greencove Avenue	282108	10108	6138	1	250	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/28/2020 9:30 AM	3/29/2020 12:15 AM	5317 Hitch Peters Road	7480	7479	23717	2.75	4,125	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/28/2020 9:15 PM	3/29/2020 12:15 AM	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
E	CSS	3/28/2020 9:00 PM	3/28/2020 11:15 PM	1475 E Diamond Avenue	12210	12209	14882	2.25	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	3/19/2020 12:15 PM	3/19/2020 7:00 PM	6601 E Oak Street	5840	5841	22948	6.75	20,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/18/2020 12:30 PM	3/18/2020 2:30 PM	7601 Clarke Lane	11303	126074	15557	2	2,400	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/18/2020 11:30 AM	3/18/2020 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	4.5	13,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/18/2020 10:45 AM	3/18/2020 4:00 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	CSS	3/18/2020 10:40 AM	3/18/2020 12:00 PM	717 S Barker Avenue	283553	8369	30079	1.33	16,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/18/2020 10:40 AM	3/18/2020 1:00 PM	99 W Diamond Avenue	15683	15677	22438	2.33	64,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/13/2020 11:30 AM	3/13/2020 12:30 PM	911 Old Post Road	9315	9316	11974	1	30	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	3/12/2020 5:15 PM	3/12/2020 6:15 PM	7601 Clarke Lane	11303	126074	15557	1	1,200	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/12/2020 3:45 PM	3/12/2020 4:15 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
W	CSS	3/12/2020 3:45 PM	3/12/2020 11:00 PM	717 S Barker Avenue	283553	8369	30079	7.25	45,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/10/2020 7:30 PM	3/12/2020 10:00 AM	3753 Stringtown Road	284458	284458	31196	38.5	385	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	3/2/2020 10:45 PM	3/3/2020 12:15 AM	717 S Barker Avenue	283553	8369	30079	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/2/2020 8:30 AM	3/2/2020 10:00 AM	2721 Hartmetz Avenue	8661	283258	14116	1.5	270	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	CSS	2/24/2020 1:45 PM	2/24/2020 3:00 PM	717 S Barker Avenue	283553	8369	30079	1.25	7,500	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/12/2020 6:15 PM	2/12/2020 9:00 PM	6601 E Oak Street	5840	5841	22948	2.75	8,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/12/2020 5:00 PM	2/12/2020 7:30 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
W	SSS	2/12/2020 4:45 PM	2/12/2020 7:30 PM	99 W Diamond Avenue	15683	15677	22438	2.75	66,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/11/2020 9:45 AM	2/11/2020 1:45 PM	206 S Royal Avenue	6016	6020	23533	4	240	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	CSS	2/5/2020 2:45 PM	2/5/2020 3:15 PM	716 S Barker Avenue	8358	8359	23751	0.5	2,000	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/5/2020 2:15 PM	2/5/2020 5:00 PM	717 S Barker Avenue	283553	8369	30079	2.75	33,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	1/28/2020 8:45 AM	1/28/2020 6:15 AM	890 Pfeiffer Road	NA	NA	5896	9.5	228,000	Little Pigeon Creek	Equipment Failure	Broken section of force main sewer	Replaced section of force main sewer	Yes	No	NA
W	SSS	1/11/2020 10:15 AM	1/11/2020 1:00 PM	4080 Millersburg Road	84336	84337	14429	2.75	16,500	Ground/Firlick Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	1/11/2020 9:45 AM	1/11/2020 2:00 PM	2020 S Green River Road	10097	10103	25087	4.25	6,375	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	1/11/2020 9:15 AM	1/11/2020 2:00 PM	2024 Allens Lane	4760	131690	13561	4.75	28,500	Locust Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	1/11/2020 9:15 AM	1/11/2020 2:00 PM	2333 Bergdott Road	7381	7380	14990	4.75	14,250	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	1/11/2020 9:15 AM	1/11/2020 7:30 AM	5317 Hitch Peters Road	7480	7479	23717	10.25	15,375	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	1/11/2020 9:00 AM	1/12/2020 6:00 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	No
E	SSS	1/11/2020 9:00 AM	1/11/2020 2:00 PM	2701 Saint George Road	7451	7450	8659	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
W	SSS	1/11/2020 8:45 AM	1/11/2020 3:00 PM	1015 S Tekoppel Avenue	170375	170376	23680	6.25	37,500	Carpentier Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	1/11/2020 8:45 AM	1/11/2020 2:00 PM	4320 N First Avenue	283044	121061	15426	5.25	16,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	1/11/2020 8:45 AM	1/11/2020 2:00 PM	700 Fairway Drive	9032	9029	22433	5.25	31,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	1/11/2020 8:30 AM	1/11/2020 1:30 PM	2401 Cass Avenue	282990	282989	29577	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	SSS	1/11/2020 8:30 AM	1/11/2020 1:30 PM	1641 S Taft Avenue	283021	3364	29606	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
W	SSS	1/10/2020 9:15 AM	1/11/2020 3:15 PM	1187 Burch Drive	10918	10923	24226	30	23,250	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	1/10/2020 7:15 AM	1/11/2020 1:00 PM	717 S Barker Avenue	283553	8369	30079	29.75	51,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	1/10/2020 6:45 AM	1/11/2020 3:15 PM	711 W Mill Road	280751	3786	27329	32.5	33,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/8/2019 6:45 AM	12/8/2019 10:30 AM	4140 N First Avenue	284410	284409	31131	3.75	125	Ground	Grease	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	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, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
E	CSS	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	Hydraulically Maximized	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	Ground/Howell 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	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	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	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	No
W	CSS	10/21/2019 9:30 AM	10/21/2019 10:30 AM	1830 Ohio Street	NA	NA	18406	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	NA	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 Twickingham Drive	7568	11083	8094	4	200	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	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	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/16/2019 9:45 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	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	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	Ground / Pigeon Creek 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	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	Ground / Pigeon Creek 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	Roots	Root Infiltration	Utility replaced sections of main sewer	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	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	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/20/2019 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
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

TABLE 3-1
SSO and CSS Releases
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	SSS	2/8/2019 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	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	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/Howell Wetland	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 Tributary	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 Eastbrookes 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	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/31/2018 2:00 PM	12/31/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/31/2018 1:15 PM	12/31/2018 1:45 PM	99 W Diamond Avenue	15683	15677	22438	0.5	24,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/27/2018 3:30 PM	12/27/2018 4:30 PM	600 Drexel Drive	126200	280660	12994	1	3,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/19/2018 7:30 PM	12/19/2018 11:30 PM	7100 E Virginia Street	279510	279504	24724	4	25	Ground / Storm Sewer	Equipment Failure	Utility crossbore in sewer	Repaired section of damaged sewer	Yes	No	Yes
E	SSS	12/15/2018 9:00 AM	12/15/2018 11:30 PM	6601 E Oak Street	5840	5841	22948	15	87,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 7:45 AM	12/15/2018 12:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 3:05 AM	12/15/2018 6:55 AM	1187 Burch Drive	10918	10923	24226	3.83	46,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/15/2018 2:55 AM	12/15/2018 6:45 AM	5317 Hitch Peters Road	7480	7479	23717	3.83	11,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/15/2018 2:30 AM	12/15/2018 6:30 AM	711 W Mill Road	280751	3786	27329	6	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	12/15/2018 1:00 AM	12/15/2018 2:00 AM	900 S Tekoppel Avenue	11298	8420	23658	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	6601 E Oak Street	5840	5841	22948	2	2,700	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/1/2018 9:15 AM	11/1/2018 11:30 AM	711 W Mill Road	280751	3786	27329	2.25	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/1/2018 7:45 AM	11/1/2018 8:30 AM	99 W Diamond Avenue	15683	15677	22438	0.75	36,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	10/2/2018 11:30 AM	10/2/2018 2:30 PM	5434 Miami Circle	NA	NA	NA	3	540	Ground	Related	Contractor damaged private force main sewer	Contractor repaired private force main sewer	No	Yes	NA
W	SSS	9/28/2018 9:45 AM	9/28/2018 1:45 PM	2803 Vermont Ct	9080	9079	24049	4	240	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	1187 Burch Drive	10918	10923	24226	2	24,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	9/25/2018 1:30 PM	9/25/2018 3:30 PM	5317 Hitch Peters Road	7480	7479	23717	2	6,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 1:30 PM	9/25/2018 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	15,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	1475 E Diamond Avenue	12210	12209	14882	1	7,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	1	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/25/2018 12:15 PM	9/25/2018 2:15 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	9/8/2018 12:30 PM	9/8/2018 1:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	4,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/8/2018 12:00 PM	9/8/2018 2:00 PM	711 W Mill Road	280751	3786	27329	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	9/8/2018 11:45 AM	9/8/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	2.25	108,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	8/21/2018 5:25 PM	8/21/2018 6:05 PM	3315 Margybeth Avenue	10197	10198	23932	0.67	800	Ground/Raccoon Ditch	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	7/9/2018 8:15 AM	7/9/2018 1:45 PM	3800 Western Hills Avenue	11412	283991	27227	5.5	3,300	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	No
E	SSS	6/25/2018 10:30 AM	6/25/2018 8:30 PM	6601 E Oak Street	5840	5841	22948	10	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	6/24/2018 9:45 PM	6/24/2018 10:15 PM	900 S Tekoppel Avenue	11298	8420	23658	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	6/12/2018 2:15 AM	6/12/2018 4:15 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	SSS	5/31/2018 12:15 PM	5/31/2018 1:00 PM	41 Oak Meadow	NA	NA	NA	0.75	225	Ground	Power Failure	Power failure at Station	Generator activated	Yes	No	NA
W	SSS	5/9/2018 4:00 PM	5/10/2018 9:00 AM	1407 Sandalwood Court	11362	11356	13791	17	500	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	No
W	CSS	4/3/2018 1:15 PM	4/7/2018 10:00 AM	717 S Barker Avenue	283553	8369	30079	44.75	2,800	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/2/2018 12:30 AM	4/2/2018 5:00 AM	6601 E Oak Street	5840	5841	22948	5	5,400	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/30/2018 2:15 PM	3/30/2018 6:30 PM	2727 N Evans Avenue	NA	NA	27041	4.25	748	Ground	Equipment Failure	Defective section of force main	Repaired section of force main	Yes	No	NA
E	SSS	3/29/2018 4:00 PM	3/30/2018 1:00 PM	6601 E Oak Street	5840	5841	22948	21	25,200	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	3/29/2018 1:20 PM	3/29/2018 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	0.17	1,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/28/2018 8:45 AM	3/29/2018 2:00 PM	2550 N Baker Avenue	15680	15679	22437	29.25	93,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/12/2018 9:00 AM	3/12/2018 2:30 PM	8600 University Boulevard	282153	NA	28722	5.5	6,600	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes	No
W	SSS	3/11/2018 4:15 PM	3/11/2018 5:30 PM	7601 Clarke Lane	11303	126074	15557	1.25	750	Ground/Carpenter Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	2/26/2018 9:50 AM	2/26/2018 11:30 AM	1401 Southfield Road	10461	10463	7026	1.67	500	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	CSS	2/24/2018 8:45 PM	2/24/2018 10:00 PM	1500 E Walnut Street	11927	11915	20332	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 8:45 PM	2/24/2018 10:15 PM	1757 Jeanette Avenue	69704	10032	23290	1.5	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 8:40 PM	2/24/2018 10:00 PM	1150 S Villa Drive	3689	282688	20021	1.33	16,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	2001 N Weinbach Avenue	5296	5302	22930	2	24,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	4108 Western Avenue	11445	11571	15704	2	14,400	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/24/2018 8:30 PM	2/25/2018 2:00 AM	2020 S Green River Road	10097	10103	25087	5.5	13,500	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/24/2018 8:00 PM	2/25/2018 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	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 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	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1475 E Diamond Avenue	12210	12209	14882	5	22,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/24/2018 5:00 PM	2/25/2018 3:00 PM	900 S Tekoppel Avenue	11298	8420	23658	22	132,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 5:00 PM	2/25/2018 2:30 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 3:00 PM	2/24/2018 9:00 PM	3531 Kensington Avenue	4117	4114	23495	6	250	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 3:00 PM	2/24/2018 9:00 PM	613 Greenleaf Drive	3757	96919	11415	6	300	Basement Floor	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/24/2018 9:00 AM	2/24/2018 11:00 AM	11802 N Green River Road	15232	15233	9448	2	12,000	Ground/Schlensker Ditch	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/23/2018 10:25 AM	2/23/2018 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	Yes
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 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	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	1/21/2018 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	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	Replaced section of main sewer	Yes	No	Yes
E	CSS	12/23/2017 9:00 AM	12/23/2017 1:00 PM	854 Covert Avenue	2527	2528	18406	4	500	Basement Floor	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	12/23/2017 1:30 AM	12/23/2017 6:00 AM	600 Drexel Drive	126200	280660	12994	4.5	13,500	Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	11/11/2017 11:00 AM	11/11/2017 11:00 AM	5300 Pollack Avenue	281843	3108	28389	1.5	500	Ground	Grease	Residential grease waste	Sewer cleaned to remove grease	Yes	No	No
W	SSS	8/6/2017 9:00 PM	8/6/2017 9:30 PM	2424 Schutte Road	15002	15001	15575	0.50	3,000	Ground/Bayou Creek	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	Tributary	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/Dry Branch 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 AM	5317 Hitch Peters Road	7480	7479	23717	1.25	7,500	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	7/23/2017 6:45 AM	7/23/2017 7:30 AM	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/23/2017 6:45 AM	7/23/2017 8:00 AM	5801 Berry Lane	9324	10629	10058	1.25	5	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	6/23/2017 11:00 AM	6/23/2017 2:00 PM	7107 Locust Tree Lane	126053	LS	12250	3	360	Ground/Bayou Creek	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	Tributary	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	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/5/2017 10:00 AM	5/5/2017 2:00 PM	2401 Cass Avenue	282990	282989	29577	4	12,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/5/2017 9:00 AM	5/5/2017 10:30 AM	2701 N Stockwell Road	73819	5667	15407	1.5	9,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
W	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	1187 Burch Drive	10918	10923	24226	5	30,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	5317 Hitch Peters Road	7480	7479	23717	5	15,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	5/5/2017 7:30 AM	5/5/2017 9:30 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/5/2017 7:30 AM	5/6/2017 12:30 AM	6601 E Oak Street	5840	5841	22948	17	51,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	5/5/2017 7:00 AM	5/5/2017 10:30 AM	1475 E Diamond Avenue	12210	12209	14882	3.5	15,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 9:45 AM	4/29/2017 12:45 PM	2701 Saint George Road	7451	7450	8659	3	18,000	Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 9:45 AM	4/29/2017 12:45 PM	2808 Longacre Drive	7331	281808	28347	3	9,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 9:00 AM	4/30/2017 10:00 PM	6601 E Oak Street	5840	5841	22948	37	54,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 3:00 AM	4/29/2017 8:00 AM	2701 N Stockwell Road	73819	5667	15407	5	30,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/29/2017 2:00 AM	4/29/2017 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	13	39,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 2:00 AM	4/29/2017 6:00 PM	1187 Burch Drive	10918	10923	24226	16	96,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 11:00 AM	8440 Wolf Creek Drive	280844	14951	26416	9.5	29,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 1:00 PM	600 Drexel Drive	126200	280660	12994	11.5	51,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 1:00 AM	4/29/2017 5:00 AM	4211 Western Avenue	11572	11576	15638	4	24,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	4/29/2017 12:45 AM	4/29/2017 9:30 AM	900 S Tekoppel Avenue	11298	8420	23658	8.75	57,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/29/2017 12:30 AM	4/29/2017 1:30 PM	711 W Mill Road	280751	3786	27329	13	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/29/2017 12:30 AM	4/29/2017 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	11.5	21,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/16/2017 6:45 PM	4/16/2017 8:45 PM	1641 S Taft Avenue	283021	3364	29606	2	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/16/2017 5:00 PM	4/16/2017 9:00 PM	2401 Cass Avenue	282990	282989	29577	4	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/16/2017 4:45 PM	4/16/2017 7:45 PM	2020 S Green River Road	10097	10103	25087	3	9,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	4/16/2017 4:15 PM	4/16/2017 5:15 PM	600 S Barker Avenue	8406	283165	23743	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/9/2017 11:30 AM	4/9/2017 2:00 PM	5908 Shelbourne Road	10642	11307	10067	2.5	250	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	3/29/2017 3:15 PM	3/29/2017 5:15 PM	6602 Pinehurst Avenue	NA	11014	29348	2	50	Ground	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	3/27/2017 9:15 AM	3/27/2017 10:15 AM	1111 Schutte Road	15029	129929	15569	1	200	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	3/21/2017 8:30 AM	3/21/2017 11:30 AM	1120 N Barker Avenue	283468	8226	6493	3	3,600	Ground/Pigeon Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/7/2017 2:00 PM	3/7/2017 9:00 PM	2755 Wayside Drive	7291	7290	22745	7	21,000	Ground/Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/7/2017 9:00 AM	3/7/2017 1:00 PM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/24/2017 7:45 AM	2/24/2017 1:30 PM	3101 Mount Vernon Avenue	8905	8907	21815	5.75	50	Street	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	2/22/2017 9:45 AM	2/22/2017 12:00 PM	3919 W Maryland Street	128006	128007	23787	2.25	200	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	2/21/2017 11:30 AM	2/21/2017 12:45 PM	9310 Hedgewood Court	NA	NA	10412	1.25	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	2/17/2017 11:45 AM	2/2/2017 3:30 PM	611 Sweetser Avenue	NA	NA	NA	27.75	830	Ground / Storm Sewer	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes	NA
W	SSS	1/14/2017 11:45 AM	1/14/2017 2:00 PM	1000 Beale Street	11576	281888	13709	2.25	27,000	Ground/Carpenter Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/28/2016 8:45 AM	11/28/2016 10:15 AM	5321 Chadwick Road	9528	9523	11684	1.5	65	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	11/8/2016 12:15 AM	11/8/2016 4:30 AM	1618 Lynch Road	280687	280688	26175	4.25	51,000	Creek Tributary	Equipment Failure	Broken water main damaged sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	9/12/2016 8:00 AM	9/12/2016 9:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1.5	900	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	NA
E	SSS	9/8/2016 9:00 AM	9/8/2016 10:00 AM	1900 Pueblo Pass	NA	NA	NA	1	300	Ground	Grease	Pump failure at Private lift station	Restored pump operation	No	Yes	NA
E	CSS	8/10/2016 11:15 AM	8/10/2016 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.75	3,375	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	8/4/2016 1:30 PM	8/4/2016 10:30 AM	7801 Bussing Road	NA	NA	24714	21	250	Ground	Equipment Failure	Air Relief valve failed	Replaced valve	Yes	No	NA
E	SSS	8/3/2016 4:30 PM	8/3/2016 6:30 PM	Pollack Avenue & Lynn Road	280521	14709	25200	2	600	Ground/Eagle Creek	Hydraulically Maximized	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	NA
E	CSS	7/27/2016 6:30 PM	7/27/2016 7:00 PM	1475 E Diamond Avenue	12210	12209	14882	0.5	2,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1019 Saint George Road	9786	9785	13111	5.5	16,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1187 Burch Drive	10918	10923	24226	5.5	33,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	5317 Hitch Peters Road	7480	7479	23717	5.5	16,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/4/2016 9:15 AM	7/4/2016 3:00 PM	6601 E Oak Street	5840	5841	22948	6	17,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/4/2016 9:00 AM	7/4/2016 12:15 PM	2020 S Green River Road	10097	10103	25087	3.25	9,750	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/4/2016 9:00 AM	7/4/2016 10:30 AM	711 W Mill Road	280751	3786	27329	1.5	4,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	7/3/2016 8:00 PM	7/4/2016 11:30 AM	1713 Richardt Avenue	280925	5267	19894	15.5	18,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	7/3/2016 8:00 PM	7/4/2016 11:30 AM	1475 E Diamond Avenue	12210	12209	14882	15.5	12,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/3/2016 7:30 PM	7/4/2016 11:00 AM	4108 Western Avenue	11445	11571	15704	15.5	27,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	7/3/2016 7:30 PM	7/3/2016 8:00 PM	600 S Barker Avenue	8406	283165	23743	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
E	SSS	6/28/2016 3:15 PM	6/28/2016 4:15 PM	3815 E Mulberry Street	6620	6621	14840	1	300	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Manhole had evidence of prior release from rain event but was not releasing when crew arrived	Yes	No	No
W	SSS	6/26/2016 11:00 PM	6/27/2016 2:00 AM	1187 Burch Drive	10918	10923	24226	3	18,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/26/2016 10:30 PM	6/27/2016 1:00 AM	5317 Hitch Peters Road	7480	7479	23717	2.5	11,250	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	6/26/2016 10:30 PM	6/26/2016 11:45 PM	1475 E Diamond Avenue	12210	12209	14882	1.25	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	6/9/2016 12:30 PM	6/9/2016 1:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1	1,500	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes	NA
E	CSS	5/24/2016 1:45 PM	5/24/2016 4:45 PM	431 Main Street	7999	283100	17541	3	100	Basement Floor Ground/Wolf Creek Tributary	Equipment Failure Hydraulically Maximized	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/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	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 Ground/Howell Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	5/9/2016 6:10 PM	5/9/2016 7:55 PM	1251 Pollack Avenue	50147	50148	12611	1.75	210	Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	5/8/2016 1:35 PM	5/8/2016 3:00 PM	6412 N First Avenue	10234	10705	10758	1.42	225	Ground/Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
W	SSS	4/27/2016 8:45 PM	4/27/2016 10:30 PM	4211 Western Avenue	11572	11576	15638	1.75	2,100	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/27/2016 7:30 PM	4/27/2016 10:30 PM	5317 Hitch Peters Road	7480	7479	23717	3	13,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	4/27/2016 7:30 PM	4/27/2016 10:30 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/27/2016 7:30 PM	4/28/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	36,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	4/27/2016 7:00 PM	4/27/2016 9:30 PM	2020 S Green River Road	10097	10103	25087	2.5	3,750	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	4/9/2016 12:20 PM	4/9/2016 2:00 PM	212 S Bosse Avenue	11264	11263	13399	1.67	2,000	Ground/Carpenter Creek Tributary	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	3/31/2016 12:30 PM	3/31/2016 1:30 PM	3121 E Riverside Drive	2595	2596	24027	1	12,000	Ground / Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
W	SSS	3/21/2016 3:15 PM	3/21/2016 4:15 PM	2709 N Second Avenue	282907	9073	29495	1	180	Storm Sewer	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No	Yes
W	SSS	3/11/2016 12:30 PM	3/11/2016 1:45 PM	3900 Claremont Avenue	11194	11247	13446	1.25	375	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	3/10/2016 5:00 PM	3/10/2016 9:00 PM	7616 Bellemeade Avenue	7138	7105	23303	4	4,800	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/10/2016 4:30 PM	3/11/2016 7:00 PM	2808 Longacre Drive	7331	281808	28347	27	31,800	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	3/10/2016 3:15 PM	3/10/2016 6:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.75	8,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	3/10/2016 1:30 PM	3/10/2016 8:00 PM	6601 E Oak Street	5840	5841	22948	7	83,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	3/10/2016 1:00 PM	3/10/2016 7:00 PM	4211 Western Avenue	11572	11576	15638	6	7,200	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/10/2016 2:00 PM	2/10/2016 3:00 PM	4400 Vogel Road	81287	281326	8027	1	100	Ground / Storm Sewer	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	2/2/2016 7:45 PM	2/2/2016 11:00 AM	2401 Cass Avenue	282990	282989	29577	3	9,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/2/2016 7:45 PM	2/3/2016 1:30 AM	6601 E Oak Street	5840	5841	22948	6	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:30 PM	2020 S Green River Road	10097	10103	25087	4	12,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:00 PM	2333 Bergdolt Road	7381	7380	14990	3.5	10,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	2/2/2016 7:30 PM	2/2/2016 11:00 PM	5317 Hitch Peters Road	7480	7479	23717	3.5	15,750	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/2/2016 7:30 PM	2/2/2016 10:30 PM	711 W Mill Road	280751	3786	27329	3	13,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	2/2/2016 7:15 PM	2/2/2016 10:30 PM	4108 Western Avenue	11445	11571	15704	3.25	9,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/2/2016 7:15 PM	2/2/2016 7:30 PM	2001 N Weinbach Avenue	5296	5302	22930	0.25	3,000	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	2/2/2016 7:00 PM	2/2/2016 10:00 PM	1475 E Diamond Avenue	12210	12209	14882	3	9,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	CSS	2/2/2016 6:45 PM	2/2/2016 8:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	36,000	Wetland Ground/Howell Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	1/10/2016 6:35 AM	1/10/2016 7:10 AM	7107 Locust Tree Lane	126053	LS	12250	0.58	105	Ground	Equipment Failure	Pump failure at Locust Tree Lane lift station	Restored pump operation	Yes	No	NA
E	SSS	12/28/2015 4:00 PM	12/29/2015 2:00 AM	6605 Lincoln Avenue	5835	281858	7370	10	30,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/28/2015 2:00 PM	12/28/2015 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	2	3,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.5	3,750	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/28/2015 1:30 PM	12/28/2015 4:00 PM	711 W Mill Road	280751	3786	27329	2.5	3,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6617 E Oak Street	7253	5839	14394	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/28/2015 11:00 AM	12/29/2015 2:00 AM	6601 E Oak Street	5840	5841	22948	15	90,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	12/27/2015 9:00 AM	12/27/2015 12:00 PM	4211 Western Avenue	11572	11576	15638	3	3,600	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No

TABLE 3-1
SSO and CSS Releases
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue		CCTV Completed
														EWSU System	Private Property	
E	SSS	12/26/2015 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	Debris in sewer	Sewer cleaned to remove debris	Yes	No	Yes
E	SSS	11/17/2015 9:40 AM	11/17/2015 11:00 AM	2210 Venetian Drive	11073	11077	8097	1.33	250	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	11/17/2015 9:00 AM	11/17/2015 11:00 AM	711 W Mill Road	280751	3786	27329	2	6,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/17/2015 8:35 AM	11/17/2015 10:30 AM	4108 Western Avenue	11445	11571	15704	1.92	5,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/17/2015 8:30 AM	11/17/2015 10:30 AM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/17/2015 8:00 AM	11/17/2015 9:00 AM	2524 N Baker Avenue	15679	15678	22436	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	11/17/2015 7:45 AM	11/17/2015 9:00 AM	2550 N Baker Avenue	15680	15679	22437	1.25	18,750	Pigeon Creek Tributary	Maximized	Collection System hydraulically Maximized	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	Yes
W	SSS	11/3/2015 8:00 AM	11/3/2015 9:45 AM	6300 N First Avenue	10705	10706	10761	1.75	500	Basement Floor	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No	Yes
E	SSS	10/21/2015 8:00 AM	10/21/2015 8:30 AM	206 S Royal Avenue	6016	6020	23533	0.5	10	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes
W	SSS	8/8/2015 5:45 PM	8/8/2015 10:00 PM	2807 N Red Bank Road	281922	281920	28509	4.25	2,400	Basement Floor	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
W	SSS	8/6/2015 2:55 AM	8/6/2015 5:00 AM	600 Drexel Drive	126200	280660	12994	2.08	6,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/25/2015 4:45 PM	7/25/2015 5:45 PM	220 Eagle Crest Drive	14093	14092	7195	1	360	Ground	Equipment Failure	Defective lateral connection	Replaced section of lateral	Yes	No	Yes
E	SSS	7/10/2015 8:30 AM	7/10/2015 8:00 PM	6617 E Oak Street	7253	5839	14394	11.5	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/10/2015 8:30 AM	7/10/2015 7:00 PM	6601 E Oak Street	5840	5841	22948	10.5	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/10/2015 8:30 AM	7/10/2015 8:50 AM	726 Hanover Road	9253	9229	15455	0.33	1,000	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No	Yes
E	SSS	7/10/2015 8:25 AM	7/10/2015 8:30 AM	7301 Lincoln Avenue	7209	7210	15116	0.08	250	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Pumps adjusted to meet discharge capacity	Yes	No	No
E	SSS	7/8/2015 9:30 AM	7/8/2015 11:00 AM	106 Harrison Boulevard	6296	6293	21909	1.5	100	Ground/Harper Ditch	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No	Yes
E	SSS	7/7/2015 5:15 PM	7/7/2015 6:00 PM	313 Polster Drive	6318	6317	6725	0.75	50	Ground	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No	Yes
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6617 E Oak Street	7253	5839	14394	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6601 E Oak Street	5840	5841	22948	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	4211 Western Avenue	11572	11576	15638	1	3,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
E	CSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	3,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No	No
W	SSS	7/3/2015 7:00 PM	7/4/2015 12:00 PM	3204 Martin Avenue	8920	8921	20692	17	1,020	Ground/Carpenter Creek Tributary	Roots	Root infiltration	Replaced section of main sewer	Yes	No	Yes

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	8/1/2020 7:00 AM	8/1/2020 9:00 AM	8440 Wolf Creek Drive	280844	14951	26416	2	1,200	Ground/Wolf Creek Tributary	Equipment Failure	Pump failure at Key West lift station	Restored pump operation	Yes	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 11:00 AM	8440 Wolf Creek Drive	280844	14951	26416	9.5	29,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/1/2020 11:00 AM	7/1/2020 6:30 PM	890 Pfeiffer Road	9854	9760	15495	7.5	180,000	Little Pigeon Creek	Equipment Failure	Pump failure at Pfeiffer Road lift station	Restored pump operation	Yes	No
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
W	SSS	3/18/2020 12:30 PM	3/18/2020 2:30 PM	7601 Clarke Lane	11303	126074	15557	2	2,400	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/12/2020 5:15 PM	3/12/2020 6:15 PM	7601 Clarke Lane	11303	126074	15557	1	1,200	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/11/2018 4:15 PM	3/11/2018 5:30 PM	7601 Clarke Lane	11303	126074	15557	1.25	750	Ground/Carpentier Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
W	SSS	10/29/2020 5:00 AM	10/29/2020 9:00 AM	2024 Allens Lane	4760	131690	13561	4	24,000	Locust Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/28/2020 9:15 AM	6/28/2020 11:00 AM	2024 Allens Lane	4760	131690	13561	1.75	5,250	Locust Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/11/2020 9:15 AM	1/11/2020 2:00 PM	2024 Allens Lane	4760	131690	13561	4.75	28,500	Locust Creek	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	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	10/29/2020 3:00 AM	10/29/2020 7:30 PM	1641 S Taft Avenue	283021	3364	29606	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	6/28/2020 8:00 AM	6/28/2020 2:00 PM	1641 S Taft Avenue	283021	3364	29606	6	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	1/11/2020 8:30 AM	1/11/2020 1:30 PM	1641 S Taft Avenue	283021	3364	29606	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	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
W	CSS	3/18/2020 10:40 AM	3/18/2020 12:00 PM	717 S Barker Avenue	283553	8369	30079	1.33	16,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	3/12/2020 3:45 PM	3/12/2020 11:00 PM	717 S Barker Avenue	283553	8369	30079	7.25	45,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	3/2/2020 10:45 PM	3/3/2020 12:15 AM	717 S Barker Avenue	283553	8369	30079	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/24/2020 1:45 PM	2/24/2020 3:00 PM	717 S Barker Avenue	283553	8369	30079	1.25	7,500	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/5/2020 2:15 PM	2/5/2020 5:00 PM	717 S Barker Avenue	283553	8369	30079	2.75	33,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	1/10/2020 7:15 AM	1/11/2020 1:00 PM	717 S Barker Avenue	283553	8369	30079	29.75	51,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	11/7/2019 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	10/29/2020 3:00 AM	10/29/2020 10:00 AM	4320 N First Avenue	283044	121061	15426	7	42,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/3/2020 11:00 AM	8/3/2020 8:00 PM	4320 N First Avenue	283044	121061	15426	7	42,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/28/2020 8:00 AM	6/28/2020 10:00 AM	4320 N First Avenue	283044	121061	15426	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	1/11/2020 8:45 AM	1/11/2020 2:00 PM	4320 N First Avenue	283044	121061	15426	5.25	16,500	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 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	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 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	10/29/2020 4:30 AM	10/29/2020 10:00 AM	2701 Saint George Road	7451	7450	8659	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	1/11/2020 9:00 AM	1/11/2020 2:00 PM	2701 Saint George Road	7451	7450	8659	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
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	10/29/2020 2:30 AM	10/29/2020 6:30 AM	99 W Diamond Avenue	15683	15677	22438	4	96,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/3/2020 11:00 AM	8/3/2020 6:00 PM	99 W Diamond Avenue	15683	15677	22438	4	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	5/16/2020 4:15 PM	5/16/2020 6:30 PM	99 W Diamond Avenue	15683	15677	22438	2.25	54,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/18/2020 10:40 AM	3/18/2020 1:00 PM	99 W Diamond Avenue	15683	15677	22438	2.33	64,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/12/2020 4:45 PM	2/12/2020 7:30 PM	99 W Diamond Avenue	15683	15677	22438	2.75	66,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/14/2019 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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	12/31/2018 1:15 PM	12/31/2018 1:45 PM	99 W Diamond Avenue	15683	15677	22438	0.5	24,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/1/2018 7:45 AM	11/1/2018 8:30 AM	99 W Diamond Avenue	15683	15677	22438	0.75	36,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/25/2018 1:00 PM	9/25/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	1	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/8/2018 11:45 AM	9/8/2018 2:00 PM	99 W Diamond Avenue	15683	15677	22438	2.25	108,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	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	2/23/2018 10:25 AM	2/23/2018 1:00 PM	2612 Kathleen Avenue	2912	2900	7665	2.58	500	Basement Floor	Unknown	Unknown	Utility to CCTV Sewer	Yes	No
E	SSS	2/23/2018 10:15 AM	2/23/2018 1:00 PM	2622 Kathleen Avenue	2912	2900	7665	2.75	500	Basement Floor	Unknown	Unknown	Utility to CCTV Sewer	Yes	No
W	SSS	1/22/2018 1:20 PM	1/22/2018 2:00 PM	726 Hanover Road	9253	9229	15455	0.67	200	Ground/Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	7/10/2015 8:30 AM	7/10/2015 8:50 AM	726 Hanover Road	9253	9229	15455	0.33	1,000	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	6/23/2017 11:00 AM	6/23/2017 2:00 PM	7107 Locust Tree Lane	126053	LS	12250	3	360	Ground/Bayou Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/10/2016 6:35 AM	1/10/2016 7:10 AM	7107 Locust Tree Lane	126053	LS	12250	0.58	105	Ground	Equipment Failure	Pump failure at Locust Tree Lane lift station	Restored pump operation	Yes	No
W	CSS	6/28/2020 9:00 AM	6/30/2020 6:30 PM	600 S Barker Avenue	8406	283165	23743	2	24,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	5/16/2020 4:00 PM	5/16/2020 5:15 PM	600 S Barker Avenue	8406	283165	23743	1.25	15,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	3/12/2020 3:45 PM	3/12/2020 4:15 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	CSS	4/16/2017 4:15 PM	4/16/2017 5:15 PM	600 S Barker Avenue	8406	283165	23743	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	7/3/2016 7:30 PM	7/3/2016 8:00 PM	600 S Barker Avenue	8406	283165	23743	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/12/2016 8:00 AM	9/12/2016 9:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1.5	900	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes
W	SSS	6/9/2016 12:30 PM	6/9/2016 1:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1	1,500	Ground/Storm Ditch	Grease	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes
E	SSS	10/29/2020 3:00 AM	10/29/2020 7:30 PM	2401 Cass Avenue	282990	282989	29577	3	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	6/28/2020 11:00 AM	6/28/2020 2:00 PM	2401 Cass Avenue	282990	282989	29577	3	4,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	1/11/2020 8:30 AM	1/11/2020 1:30 PM	2401 Cass Avenue	282990	282989	29577	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	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	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1713 Richardt Avenue	280925	5287	19894	5	15,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/3/2016 8:00 PM	7/4/2016 11:30 AM	1713 Richardt Avenue	280925	5287	19894	15.5	18,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/23/2018 10:15 AM	2/23/2018 12:30 PM	2717 N Stockwell Road	73819	5667	15407	2.25	270	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/5/2017 9:00 AM	5/5/2017 10:30 AM	2701 N Stockwell Road	73819	5667	15407	1.5	9,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
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	1/11/2020 9:15 AM	1/11/2020 2:00 PM	2333 Bergdolt Road	7381	7380	14990	4.75	14,250	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	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	10/29/2020 4:00 AM	10/29/2020 8:00 PM	5317 Hitch Peters Road	7480	7479	23717	6	30,000	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	8/3/2020 11:30 AM	8/3/2020 8:00 PM	5317 Hitch Peters Road	7480	7479	23717	4.25	25,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	5/17/2020 8:30 PM	5/16/2020 1:30 AM	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	4/25/2020 4:30 PM	4/25/2020 9:00 PM	5317 Hitch Peters Road	7480	7479	23717	4.5	13,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/28/2020 9:30 PM	3/29/2020 12:15 AM	5317 Hitch Peters Road	7480	7479	23717	2.75	4,125	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/18/2020 11:30 AM	3/18/2020 4:00 PM	5317 Hitch Peters Road	7480	7479	23717	4.5	13,500	Ground	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	1/11/2020 9:15 AM	1/11/2020 7:30 AM	5317 Hitch Peters Road	7480	7479	23717	10.25	15,375	Ground	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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2020 through December 31, 2020 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	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	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
W	SSS	2/24/2018 8:30 PM	2/24/2018 10:30 PM	4108 Western Avenue	11445	11571	15704	2	14,400	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/7/2017 9:00 AM	3/7/2017 1:00 PM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/3/2016 7:30 PM	7/4/2016 11:00 AM	4108 Western Avenue	11445	11571	15704	15.5	27,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/12/2016 2:00 AM	5/12/2016 6:00 AM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/2/2016 7:15 PM	2/2/2016 10:30 PM	4108 Western Avenue	11445	11571	15704	3.25	9,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4108 Western Avenue	11445	11571	15704	3.92	7,050	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:35 AM	11/17/2015 10:30 AM	4108 Western Avenue	11445	11571	15704	1.92	5,750	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	9/25/2018 12:15 PM	9/25/2018 2:15 PM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 1:00 AM	4/29/2017 5:00 AM	4211 Western Avenue	11572	11576	15638	4	24,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/27/2016 8:45 PM	4/27/2016 10:30 PM	4211 Western Avenue	11572	11576	15638	1.75	2,100	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/10/2016 1:00 PM	3/10/2016 7:00 PM	4211 Western Avenue	11572	11576	15638	6	7,200	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/27/2015 9:00 AM	12/27/2015 12:00 PM	4211 Western Avenue	11572	11576	15638	3	3,600	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4211 Western Avenue	11572	11576	15638	3.92	4,700	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:30 AM	11/17/2015 10:30 AM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	4211 Western Avenue	11572	11576	15638	1	3,000	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/11/2020 8:45 AM	1/11/2020 2:00 PM	700 Fairway Drive	9032	9029	22433	5.25	31,500	Dry Branch Creek	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
E	SSS	10/29/2020 3:30 AM	10/29/2020 7:00 PM	2020 S Green River Road	10097	10103	25087	4	24,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	1/11/2020 9:45 AM	1/11/2020 2:00 PM	2020 S Green River Road	10097	10103	25087	4.25	6,375	Ground/Eagle Creek	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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2020 through December 31, 2020 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	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
W	SSS	10/29/2020 4:15 AM	10/29/2020 6:00 PM	1187 Burch Drive	10918	10923	24226	6.75	40,500	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	7/31/2020 6:30 PM	7/31/2020 9:30 PM	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	5/17/2020 8:30 PM	5/16/2020 1:30 AM	1187 Burch Drive	10918	10923	24226	5	7,500	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	4/25/2020 4:45 PM	4/25/2020 9:15 PM	1187 Burch Drive	10918	10923	24226	4.5	6,750	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	1/10/2020 9:15 AM	1/11/2020 3:15 PM	1187 Burch Drive	10918	10923	24226	30	23,250	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	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 7:00 AM	7/23/2017 8:45 AM	1187 Burch Drive	10918	10923	24226	1.75	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	1187 Burch Drive	10918	10923	24226	5	30,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 2:00 AM	4/29/2017 6:00 PM	1187 Burch Drive	10918	10923	24226	16	96,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/4/2016 9:30 AM	7/4/2016 3:00 PM	1187 Burch Drive	10918	10923	24226	5.5	33,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/26/2016 11:00 PM	6/27/2016 2:00 AM	1187 Burch Drive	10918	10923	24226	3	18,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/12/2016 2:30 AM	5/12/2016 6:00 AM	1187 Burch Drive	10918	10923	24226	3.5	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	10/29/2020 4:00 AM	10/30/2020 3:00 AM	6601 E Oak Street	5840	5841	22948	5.75	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	5/16/2020 6:00 PM	5/18/2020 1:00 AM	6601 E Oak Street	5840	5841	22948	7.25	21,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/19/2020 12:15 PM	3/19/2020 7:00 PM	6601 E Oak Street	5840	5841	22948	6.75	20,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/12/2020 6:15 PM	2/12/2020 9:00 PM	6601 E Oak Street	5840	5841	22948	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	1/11/2020 9:00 AM	1/12/2020 6:00 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	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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2020 through December 31, 2020 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	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
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	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 7:45 AM	11/17/2015 9:00 AM	2550 N Baker Avenue	15680	15679	22437	1.25	18,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/6/2015 12:15 AM	11/6/2015 2:30 AM	2550 N Baker Avenue	15680	15679	22437	2.25	33,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	8/3/2020 10:45 AM	8/3/2020 5:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.25	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	6/28/2020 7:30 AM	6/28/2020 10:45 AM	1475 E Diamond Avenue	12210	12209	14882	3.25	5,375	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	5/16/2020 4:30 PM	5/17/2020 10:00 PM	1475 E Diamond Avenue	12210	12209	14882	4	5,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	3/28/2020 9:00 PM	3/28/2020 11:15 PM	1475 E Diamond Avenue	12210	12209	14882	2.25	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	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	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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
E	SSS	3/10/2016 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	10/29/2020 5:00 AM	10/29/2020 10:00 AM	600 Drexel Drive	126200	280660	12994	5	15,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/3/2020 11:30 AM	8/3/2020 8:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/30/2020 6:00 PM	7/1/2020 5:00 AM	600 Drexel Drive	126200	280660	12994	11	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	5/17/2020 8:15 PM	5/16/2020 12:15 AM	600 Drexel Drive	126200	280660	12994	4	12,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	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	12/15/2018 12:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/12/2018 2:15 AM	6/12/2018 4:15 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2017 1:30 AM	12/23/2017 6:00 AM	600 Drexel Drive	126200	280660	12994	4.5	13,500	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/5/2017 7:30 AM	5/5/2017 9:30 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 1:00 PM	600 Drexel Drive	126200	280660	12994	11.5	51,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/12/2016 3:00 AM	5/12/2016 4:10 AM	600 Drexel Drive	126200	280660	12994	1.16	7,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/6/2015 2:55 AM	8/6/2015 5:00 AM	600 Drexel Drive	126200	280660	12994	2.08	6,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/25/2020 5:15 AM	11/25/2020 10:45 AM	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	10/29/2020 2:45 AM	10/29/2020 8:00 AM	711 W Mill Road	280751	3786	27329	5.25	69,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/31/2020 6:15 PM	8/3/2020 9:00 PM	711 W Mill Road	280751	3786	27329	11.25	67,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/28/2020 7:30 AM	6/28/2020 11:30 AM	711 W Mill Road	280751	3786	27329	4	24,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/16/2020 4:30 PM	5/18/2020 1:30 AM	711 W Mill Road	280751	3786	27329	8	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	3/28/2020 9:15 PM	3/29/2020 12:15 AM	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	3/18/2020 10:45 AM	3/18/2020 4:00 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	2/12/2020 5:00 PM	2/12/2020 7:30 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	1/10/2020 6:45 AM	1/11/2020 3:15 PM	711 W Mill Road	280751	3786	27329	32.5	33,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/30/2019 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 8300 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

TABLE 3-2
Recurring SSO and CSS Release Locations
July 1, 2020 through December 31, 2020 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 7:30 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	CSS	12/30/2020 10:30 PM	12/31/2020 3:30 AM	900 S Tekoppel Avenue	11298	8420	23658	5	30,000	Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	11/25/2020 5:00 AM	12/4/2020 10:30 AM	900 S Tekoppel Avenue	11298	8420	23658	36	432,000	Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	10/19/2020 8:00 AM	10/20/2020 3:00 AM	900 S Tekoppel Avenue	11298	8420	23658	19	69,000	Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	9/3/2020 6:30 AM	9/3/2020 10:30 AM	900 S Tekoppel Avenue	11298	8420	23658	4	48,000	Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	9/2/2020 2:15 AM	9/2/2020 4:00 AM	900 S Tekoppel Avenue	11298	8420	23658	5	21,000	Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	8/27/2020 4:30 PM	8/27/2020 9:30 PM	900 S Tekoppel Avenue	11298	8420	23658	5	60,000	Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	7/31/2020 7:30 PM	8/4/2020 9:00 PM	900 S Tekoppel Avenue	11298	8420	23658	29	348,000	Carpentier Creek Tributary	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	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	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
W	CSS	12/15/2018 1:00 AM	12/15/2018 2:00 AM	900 S Tekoppel Avenue	11298	8420	23658	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	11/1/2018 7:35 AM	11/1/2018 7:50 AM	900 S Tekoppel Avenue	11298	8420	23658	0.25	3,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	9/25/2018 12:45 PM	9/25/2018 2:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	9/8/2018 11:30 AM	9/8/2018 1:00 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	6/24/2018 9:45 PM	6/24/2018 10:15 PM	900 S Tekoppel Avenue	11298	8420	23658	0.5	6,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	3/29/2018 1:20 PM	3/29/2018 1:30 PM	900 S Tekoppel Avenue	11298	8420	23658	0.17	1,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/24/2018 5:00 PM	2/25/2018 3:00 PM	900 S Tekoppel Avenue	11298	8420	23658	22	132,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	7/23/2017 6:45 AM	7/23/2017 7:30 AM	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	4/29/2017 12:45 AM	4/29/2017 9:30 AM	900 S Tekoppel Avenue	11298	8420	23658	8.75	57,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	5/12/2016 1:30 AM	5/12/2016 2:50 AM	900 S Tekoppel Avenue	11298	8420	23658	1.33	32,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/2/2016 6:45 PM	2/2/2016 8:15 PM	900 S Tekoppel Avenue	11298	8420	23658	1.5	36,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/11/2020 9:45 AM	2/11/2020 1:45 PM	206 S Royal Avenue	6016	6020	23533	4	240	Ground	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	10/21/2015 8:00 AM	10/21/2015 8:30 AM	206 S Royal Avenue	6016	6020	23533	0.5	10	Ground	Roots	Root infiltration	Replaced section of main sewer	Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2020 through December 31, 2020 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	12/30/2020 10:30 PM	12/31/2020 3:30 AM	900 S Tekoppel Avenue	11298	8420	23658	5	30,000	Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	11/25/2020 5:15 AM	11/25/2020 10:45 AM	711 W Mill Road	280751	3786	27329	5.5	33,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	CSS	11/25/2020 5:00 AM	12/4/2020 10:30 AM	900 S Tekoppel Avenue	11298	8420	23658	36	432,000	Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	11/23/2020 11:45 AM	11/23/2020 5:30 PM	700 Boehne Camp Road	11465	11466	21549	5.75	3,450	Carpenter Creek Tributary	Equipment Failure	Replaced section of main sewer		Yes	No
W	SSS	10/29/2020 5:00 AM	10/29/2020 10:00 AM	600 Drexel Drive	126200	280660	12994	5	15,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	10/29/2020 5:00 AM	10/29/2020 9:00 AM	2024 Allens Lane	4760	131690	13561	4	24,000	Locust Creek	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	10/29/2020 4:30 AM	10/29/2020 10:00 AM	2701 Saint George Road	7451	7450	8659	5.5	33,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	10/29/2020 4:15 AM	10/29/2020 6:00 PM	1187 Burch Drive	10918	10923	24226	6.75	40,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	10/29/2020 4:00 AM	10/30/2020 3:00 AM	6601 E Oak Street	5840	5841	22948	5.75	34,500	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	10/29/2020 3:30 AM	10/29/2020 7:00 PM	2020 S Green River Road	10097	10103	25087	4	24,000	Ground/Eagle Creek	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	10/29/2020 3:00 AM	10/29/2020 7:30 PM	2401 Cass Avenue	282990	282989	29577	3	31,500	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	10/29/2020 3:00 AM	10/29/2020 7:30 PM	1641 S Taft Avenue	283021	3364	29606	5	31,500	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	10/29/2020 3:00 AM	10/29/2020 10:00 AM	4320 N First Avenue	283044	121061	15426	7	42,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	10/29/2020 2:45 AM	10/29/2020 8:00 AM	711 W Mill Road	280751	3786	27329	5.25	69,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	10/29/2020 2:30 AM	10/29/2020 6:30 AM	99 W Diamond Avenue	15683	15677	22438	4	96,000	Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	10/24/2020 10:50 AM	10/24/2020 2:30 PM	10324 Wilmington Drive	12954	12935	8808	3.67	440	Ground/Little Pigeon Creek Tributary	Debris	Debris in sewer		Yes	No
W	CSS	10/19/2020 8:00 AM	10/20/2020 3:00 AM	900 S Tekoppel Avenue	11298	8420	23658	19	69,000	Carpenter Creek Tributary	Hydraulically Maximized	Sewer cleaned to remove debris		Yes	No
W	CSS	9/3/2020 6:30 AM	9/3/2020 10:30 AM	900 S Tekoppel Avenue	11298	8420	23658	4	48,000	Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	CSS	9/2/2020 2:15 AM	9/2/2020 4:00 AM	900 S Tekoppel Avenue	11298	8420	23658	5	21,000	Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	CSS	8/27/2020 4:30 PM	8/27/2020 9:30 PM	900 S Tekoppel Avenue	11298	8420	23658	5	60,000	Carpenter Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	8/12/2020 9:30 AM	8/12/2020 2:00 PM	214 S Rosenberger Avenue	28437	11267	26772	4.5	5,400	Carpenter Creek Tributary	Equipment Failure	Contractor replaced section of main sewer		Yes	No
W	SSS	8/3/2020 11:30 AM	8/3/2020 8:00 PM	600 Drexel Drive	126200	280660	12994	4.25	12,750	Ground/Wolf Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	8/3/2020 11:00 AM	8/3/2020 6:00 PM	99 W Diamond Avenue	15683	15677	22438	4	48,000	Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	8/3/2020 11:00 AM	8/3/2020 8:00 PM	4320 N First Avenue	283044	121061	15426	7	42,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	8/3/2020 10:45 AM	8/3/2020 5:00 PM	1475 E Diamond Avenue	12210	12209	14882	2.25	3,375	Ground/Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	8/1/2020 7:00 AM	8/1/2020 9:00 AM	8440 Wolf Creek Drive	280844	14951	26416	2	1,200	Ground/Wolf Creek Tributary	Equipment Failure	Pump failure at Key West lift station		Yes	No
W	CSS	7/31/2020 7:30 PM	8/4/2020 9:00 PM	900 S Tekoppel Avenue	11298	8420	23658	29	348,000	Carpenter Creek Tributary	Hydraulically Maximized	Restored pump operation		Yes	No
W	SSS	7/31/2020 6:30 PM	7/31/2020 9:30 PM	1187 Burch Drive	10918	10923	24226	3	18,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	7/31/2020 6:15 PM	8/3/2020 9:00 PM	711 W Mill Road	280751	3786	27329	11.25	67,500	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	7/24/2020 8:45 AM	7/24/2020 10:00 AM	508 Holly Hill Drive	127135	127136	12167	1.25	375	Storm Retention Pond	Roots	Root infiltration		Yes	No
W	SSS	7/1/2020 11:00 AM	7/1/2020 6:30 PM	890 Pfeiffer Road	9854	9760	15495	7.5	180,000	Little Pigeon Creek	Equipment Failure	Restored pump operation		Yes	No
W	SSS	6/30/2020 6:00 PM	7/1/2020 5:00 AM	600 Drexel Drive	126200	280660	12994	11	16,500	Ground/Wolf Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	6/28/2020 11:00 AM	6/28/2020 2:00 PM	2401 Cass Avenue	282990	282989	29577	3	4,500	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	6/28/2020 9:15 AM	6/28/2020 11:00 AM	2024 Allens Lane	4760	131690	13561	1.75	5,250	Locust Creek	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	CSS	6/28/2020 9:00 AM	6/30/2020 6:30 PM	600 S Barker Avenue	8406	283165	23743	2	24,000	Ground/Howell Wetland	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	6/28/2020 8:00 AM	6/28/2020 2:00 PM	1641 S Taft Avenue	283021	3364	29606	6	18,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	6/28/2020 8:00 AM	6/30/2020 11:00 PM	2018 Maxwell Avenue	5125	5124	22003	7	84,000	Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	6/28/2020 8:00 AM	6/28/2020 10:00 AM	4320 N First Avenue	283044	121061	15426	2	12,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	CSS	6/28/2020 7:30 AM	6/28/2020 10:45 AM	1475 E Diamond Avenue	12210	12209	14882	3.25	5,375	Ground/Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	6/28/2020 7:30 AM	6/28/2020 11:30 AM	711 W Mill Road	280751	3786	27329	4	24,000	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	6/15/2020 9:30 AM	6/15/2020 11:30 AM	19620 Highway 41 N	NA	NA	10473	2	600	Pond Flat Ditch	Equipment Failure	Replaced section of force main sewer		Yes	No
W	CSS	5/22/2020 8:00 AM	5/22/2020 1:30 AM	10701 Petersburg Road	12892	12894	14442	5.5	1,650	Firlick Creek	Roots	Sewer cleaned to remove roots		Yes	No
W	SSS	5/17/2020 8:30 PM	5/16/2020 1:30 AM	1187 Burch Drive	10918	10923	24226	5	7,500	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
W	SSS	5/17/2020 8:15 PM	5/16/2020 12:15 AM	600 Drexel Drive	126200	280660	12994	4	12,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No
E	SSS	5/16/2020 6:00 PM	5/16/2020 10:15 PM	6501 E Oak Street	5863	5840	14397	4.25	21,750	Ground / Storm Sewer	Hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity		Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2020 through December 31, 2020 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	5/16/2020 6:00 PM	5/18/2020 1:00 AM	6601 E Oak Street	5840	5841	22948	7.25	21,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	5/16/2020 4:30 PM	5/17/2020 10:00 PM	1475 E Diamond Avenue	12210	12209	14882	4	5,250	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/16/2020 4:30 PM	5/18/2020 1:30 AM	711 W Mill Road	280751	3786	27329	8	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	5/16/2020 4:15 PM	5/16/2020 6:30 PM	99 W Diamond Avenue	15683	15677	22438	2.25	54,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	5/16/2020 4:00 PM	5/16/2020 5:15 PM	600 S Barker Avenue	8406	283165	23743	1.25	15,000	Ground/Howell Wetland Little Pigeon Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/10/2020 7:45 PM	5/11/2020 8:30 PM	11110 Pinewood Circle	10880	10881	15772	24.75	4,500	Tributary	Equipment Failure	Broken section of main sewer	Replaced section of main sewer	Yes	No
W	SSS	4/25/2020 4:45 PM	4/25/2020 9:15 PM	1187 Burch Drive	10918	10923	24226	4.5	6,750	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	3/28/2020 9:15 PM	3/29/2020 12:15 AM	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
E	CSS	3/28/2020 9:00 PM	3/28/2020 11:15 PM	1475 E Diamond Avenue	12210	12209	14882	2.25	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	3/19/2020 12:15 PM	3/19/2020 7:00 PM	6601 E Oak Street	5840	5841	22948	6.75	20,250	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/18/2020 12:30 PM	3/18/2020 2:30 PM	7601 Clarke Lane	11303	126074	15557	2	2,400	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/18/2020 10:45 AM	3/18/2020 4:00 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	CSS	3/18/2020 10:40 AM	3/18/2020 12:00 PM	717 S Barker Avenue	283553	8369	30079	1.33	16,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/18/2020 10:40 AM	3/18/2020 1:00 PM	99 W Diamond Avenue	15683	15677	22438	2.33	64,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/12/2020 5:15 PM	3/12/2020 6:15 PM	7601 Clarke Lane	11303	126074	15557	1	1,200	Ground/Carpentier Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	3/12/2020 3:45 PM	3/12/2020 4:15 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	CSS	3/12/2020 3:45 PM	3/12/2020 11:00 PM	717 S Barker Avenue	283553	8369	30079	7.25	45,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	3/2/2020 10:45 PM	3/3/2020 12:15 AM	717 S Barker Avenue	283553	8369	30079	1.5	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/24/2020 1:45 PM	2/24/2020 3:00 PM	717 S Barker Avenue	283553	8369	30079	1.25	7,500	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/12/2020 6:15 PM	2/12/2020 9:00 PM	6601 E Oak Street	5840	5841	22948	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
W	SSS	2/12/2020 5:00 PM	2/12/2020 7:30 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	2/12/2020 4:45 PM	2/12/2020 7:30 PM	99 W Diamond Avenue	15683	15677	22438	2.75	66,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/5/2020 2:15 PM	2/5/2020 5:00 PM	717 S Barker Avenue	283553	8369	30079	2.75	33,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/28/2020 8:45 AM	1/28/2020 6:15 AM	890 Pfeiffer Road	NA	NA	5896	9.5	228,000	Little Pigeon Creek	Equipment Failure	Broken section of force main sewer	Replaced section of force main sewer	Yes	No
W	SSS	1/1/2020 10:15 AM	1/1/2020 1:00 PM	4080 Millersburg Road	84336	84337	14429	2.75	16,500	Ground/Firlick Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	1/1/2020 9:45 AM	1/1/2020 2:00 PM	2020 S Green River Road	10097	10103	25087	4.25	6,375	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/1/2020 9:15 AM	1/1/2020 2:00 PM	2024 Allens Lane	4760	131690	13561	4.75	28,500	Locust Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	1/1/2020 9:15 AM	1/1/2020 2:00 PM	2333 Bergdolt Road	7381	7380	14990	4.75	14,250	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	1/1/2020 9:00 AM	1/12/2020 6:00 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	1/1/2020 9:00 AM	1/1/2020 2:00 PM	2701 Saint George Road	7451	7450	8659	5	30,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/1/2020 8:45 AM	1/1/2020 3:00 PM	1015 S Tekoppel Avenue	170375	170376	23680	6.25	37,500	Carpentier Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/1/2020 8:45 AM	1/1/2020 2:00 PM	4320 N First Avenue	283044	121061	15426	5.25	16,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/1/2020 8:45 AM	1/1/2020 2:00 PM	700 Fairway Drive	9032	9029	22433	5.25	31,500	Dry Branch Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	1/1/2020 8:30 AM	1/1/2020 1:30 PM	2401 Cass Avenue	282990	282989	29577	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	SSS	1/1/2020 8:30 AM	1/1/2020 1:30 PM	1641 S Taft Avenue	283021	3364	29806	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	1/10/2020 9:15 AM	1/1/2020 3:15 PM	1187 Burch Drive	10918	10923	24226	30	23,250	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	1/10/2020 7:15 AM	1/1/2020 1:00 PM	717 S Barker Avenue	283553	8369	30079	29.75	51,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	1/10/2020 6:45 AM	1/1/2020 3:15 PM	711 W Mill Road	280751	3786	27329	32.5	33,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	11/30/2019 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	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	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

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2020 through December 31, 2020 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	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 8:300 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	Ground / Pigeon Creek 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	Ground / Pigeon Creek 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	Hydraulically 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	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	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	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	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	CSS	3/14/2019 3:15 AM	3/14/2019 1:30 PM	900 S Tekoppel Avenue	11298	8420	23858	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	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	2/20/2019 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	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	2/11/2019 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
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 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
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	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
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	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
W	CSS	2/7/2019 11:45 AM	2/7/2018 4:00 PM	900 S Tekoppel Avenue	11298	8420	23858	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
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

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2020 through December 31, 2020 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	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	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 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	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	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
W	CSS	4/3/2018 1:15 PM	4/7/2018 10:00 AM	717 S Barker Avenue	283553	8369	30079	44.75	2,800	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	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	Ground/Carpenter Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
E	SSS	2/26/2018 9:50 AM	2/26/2018 11:30 AM	1401 Southfield Road	10461	10463	7026	1.67	500	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	CSS	2/24/2018 8:45 PM	2/24/2018 10:00 PM	1500 E Walnut Street	11927	11915	20332	1.25	7,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	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	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
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
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 Richardt Avenue	280925	5287	19894	5	15,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	2/24/2018 6:00 PM	2/24/2018 11:00 PM	1475 E Diamond Avenue	12210	12209	14882	5	22,500	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	2/24/2018 5:00 PM	2/25/2018 3:00 PM	900 S Tekoppel Avenue	11298	8420	23658	22	132,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/24/2018 5:00 PM	2/25/2018 2:30 AM	711 W Mill Road	280751	3786	27329	9.5	28,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2020 through December 31, 2020 Reporting Period and Preceding 5 Year Period

System	Sewershed	Start Date	End Date	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Affected Area	Cause	Cause Description	Action	Source of Issue	
														EWSU System	Private Property
W	SSS	2/24/2018 9:00 AM	2/24/2018 11:00 AM	11802 N Green River Road	15232	15233	9448	2	12,000	Ground/Schliensker 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	Basement Floor/Wall	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	1/22/2018 10:00 AM	1/22/2018 11:30 AM	612 Drexel Drive	126178	126177	12989	1.5	2,325	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Sewer cleaned to remove grease	Yes	No
W	SSS	1/21/2018 11:30 AM	1/21/2018 1:30 AM	5725 N First Avenue	9268	9379	11985	2	2,400	Creek Tributary	Grease	Commercial grease waste	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2017 1:30 AM	12/23/2017 6:00 AM	600 Drexel Drive	126200	280660	12994	4.5	13,500	Ground/W/Off Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/6/2017 9:00 PM	8/6/2017 9:30 PM	2424 Schutte Road	15002	15001	15575	0.50	3,000	Ground/Bayou Creek Tributary	Power Failure	Power failure at station	Generator activated	Yes	No
W	SSS	7/25/2017 2:25 PM	7/25/2017 5:00 PM	1201 W Buena Vista Rd	3746	3745	11517	2.58	3,875	Ground/Dry Branch Creek	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	7/23/2017 7:00 AM	7/23/2017 8:45 AM	1187 Burch Drive	10918	10923	24226	1.75	21,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	7/23/2017 6:45 AM	7/23/2017 7:30 AM	900 S Tekoppel Avenue	11298	8420	23658	0.75	18,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	6/23/2017 11:00 AM	6/23/2017 2:00 PM	7107 Locust Tree Lane	126053	LS	12250	3	360	Ground/Bayou Creek 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	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/5/2017 8:00 AM	5/5/2017 1:00 PM	1187 Burch Drive	10918	10923	24226	5	30,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	5/5/2017 7:30 AM	5/5/2017 9:30 AM	600 Drexel Drive	126200	280660	12994	2	6,000	Ground/W/Off Creek 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	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/29/2017 9:45 AM	4/29/2017 12:45 PM	2701 Saint George Road	7451	7450	8659	3	18,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/29/2017 9:45 AM	4/29/2017 12:45 PM	2808 Longacre Drive	7331	281808	28347	3	9,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/29/2017 9:00 AM	4/30/2017 10:00 PM	6601 E Oak Street	5840	5841	22948	37	54,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 2:00 AM	4/29/2017 6:00 PM	1187 Burch Drive	10918	10923	24226	16	96,000	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 11:00 AM	8440 Wolf Creek Drive	280844	14951	26416	9.5	29,250	Ground/W/Off Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 1:30 AM	4/29/2017 1:00 PM	600 Drexel Drive	126200	280660	12994	11.5	51,750	Ground/W/Off 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/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	4/29/2017 12:45 AM	4/29/2017 9:30 AM	900 S Tekoppel Avenue	11298	8420	23658	8.75	57,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	4/29/2017 12:30 AM	4/29/2017 1:30 PM	711 W Mill Road	280751	3786	27329	13	25,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	4/29/2017 12:30 AM	4/29/2017 12:00 PM	1475 E Diamond Avenue	12210	12209	14882	11.5	21,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/16/2017 6:45 PM	4/16/2017 8:45 PM	1641 S Taft Avenue	283021	3364	29606	2	9,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/16/2017 5:00 PM	4/16/2017 9:00 PM	2401 Cass Avenue	282990	282989	29577	4	18,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	4/16/2017 4:45 PM	4/16/2017 7:45 PM	2020 S Green River Road	10097	10103	25087	3	9,000	Ground/Eagle Creek	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	CSS	4/16/2017 4:15 PM	4/16/2017 5:15 PM	600 S Barker Avenue	8406	283165	23743	1	12,000	Ground/Howell Wetland	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/27/2017 9:15 AM	3/27/2017 10:15 AM	1111 Schutte Road	15029	129929	15569	1	200	Ground/Carpenter Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
W	SSS	3/21/2017 8:30 AM	3/21/2017 11:30 AM	1120 N Barker Avenue	283468	8226	6493	3	3,600	Ground/Pigeon Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	3/7/2017 2:00 PM	3/7/2017 9:00 PM	2755 Wayside Drive	7291	7290	22745	7	21,000	Ground/Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	3/7/2017 9:00 AM	3/7/2017 1:00 PM	4108 Western Avenue	11445	11571	15704	4	12,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	2/22/2017 9:45 AM	2/22/2017 12:00 PM	3919 W Maryland Street	128006	128007	23787	2.25	200	Creek Tributary	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
E	SSS	2/1/2017 11:45 AM	2/1/2017 3:30 PM	611 Sweetser Avenue	NA	NA	NA	27.75	830	Ground / Storm Sewer	Equipment Failure	Defective section of private sewer	Contractor replaced section of private sewer	No	Yes
W	SSS	1/14/2017 11:45 AM	1/14/2017 2:00 PM	1000 Beale Street	11576	281888	13709	2.25	27,000	Ground/Carpenter Creek Tributary	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
W	SSS	11/28/2016 8:45 AM	11/28/2016 10:15 AM	5321 Chadwick Road	9528	9523	11684	1.5	65	Ground / Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	11/8/2016 12:15 AM	11/8/2016 4:30 AM	1618 Lynch Road	280687	280688	26175	4.25	51,000	Ground/Little Pigeon Creek Tributary	Equipment Failure	Broken water main damaged sewer	Replaced section of main sewer	Yes	No
W	SSS	9/12/2016 8:00 AM	9/12/2016 9:30 PM	360 S Rosenberger Avenue	283138	29276	15455	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	Polack 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

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2020 through December 31, 2020 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	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	Ground/Carpenter 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
SSS		6/9/2016 1:30 PM	6/9/2016 1:30 PM	360 S Rosenberger Avenue	283138	283137	29726	1	1,500	Ground/Storm Ditch	Hydraulically Maximized	Residential grease waste in private sewer	Sewer cleaned to remove grease	No	Yes
W	SSS	5/12/2016 3:00 AM	5/12/2016 4:10 AM	600 Drexel Drive	126200	280660	12994	1.16	7,000	Ground/Wolf Creek Tributary	Hydraulically Maximized	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	Hydraulically Maximized	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
W	SSS	4/27/2016 8:45 PM	4/27/2016 10:30 PM	4211 Western Avenue	11572	11576	15638	1.75	2,100	Ground/Carpenter Creek Tributary	Hydraulically Maximized	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	Ground/Carpenter Creek Tributary	Grease	Commercial grease waste	Sewer cleaned to remove grease	Yes	No
E	SSS	3/31/2016 12:30 PM	3/31/2016 1:30 PM	3121 E Riverside Drive	2595	2596	24027	1	12,000	Ground / Storm Sewer	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
W	SSS	3/21/2016 3:15 PM	3/21/2016 4:15 PM	2709 N Second Avenue	282907	9073	29495	1	180	Storm Sewer	Equipment Failure	Defective section of main sewer	Replaced section of main sewer	Yes	No
SSS		3/11/2016 12:30 PM	3/11/2016 1:45 PM	3900 Claremont Avenue	11194	11247	13446	1.25	375	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	3/10/2016 5:00 PM	3/10/2016 9:00 PM	7616 Bellemeade Avenue	7138	7105	23303	4	4,800	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	3/10/2016 4:30 PM	3/11/2016 7:00 PM	2808 Longacre Drive	7331	281808	28347	27	31,800	Ground/Little Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	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	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	2/10/2016 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 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	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
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

TABLE 3-3
SSO and CSS Releases to Water Bodies
July 1, 2020 through December 31, 2020 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	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6617 E Oak Street	7253	5839	14394	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/27/2015 3:00 PM	12/27/2015 11:00 PM	6601 E Oak Street	5840	5841	22948	8	48,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/27/2015 9:00 AM	12/27/2015 12:00 PM	4211 Western Avenue	11572	11576	15638	3	3,600	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	12/26/2015 7:45 AM	12/26/2015 9:00 AM	300 S Royal Avenue	6013	6016	23532	1.25	150	Ground / Storm Sewer	Roots	Root infiltration	Replaced section of main sewer	Yes	No
W	SSS	12/23/2015 4:45 PM	12/23/2015 6:00 PM	711 W Mill Road	280751	3786	27329	2	3,750	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4108 Western Avenue	11445	11571	15704	3.92	7,050	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:05 PM	12/23/2015 6:00 PM	4211 Western Avenue	11572	11576	15638	3.92	4,700	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	12/23/2015 2:00 PM	12/23/2015 3:00 PM	2524 N Baker Avenue	15679	15678	22436	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 9:00 AM	11/17/2015 11:00 AM	711 W Mill Road	280751	3786	27329	2	6,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:35 AM	11/17/2015 10:30 AM	4108 Western Avenue	11445	11571	15704	1.92	5,750	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:30 AM	11/17/2015 10:30 AM	4211 Western Avenue	11572	11576	15638	2	6,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 8:00 AM	11/17/2015 9:00 AM	2524 N Baker Avenue	15679	15678	22436	1	12,000	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/17/2015 7:45 AM	11/17/2015 9:00 AM	2550 N Baker Avenue	15680	15679	22437	1.25	18,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	11/6/2015 12:15 AM	11/6/2015 2:30 AM	2550 N Baker Avenue	15680	15679	22437	2.25	33,750	Pigeon Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	8/6/2015 2:55 AM	8/6/2015 5:00 AM	600 Drexel Drive	126200	280660	12994	2.08	6,250	Ground/Wolf Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/10/2015 8:30 AM	7/10/2015 8:00 PM	6617 E Oak Street	7253	5839	14394	11.5	34,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/10/2015 8:30 AM	7/10/2015 7:00 PM	6601 E Oak Street	5840	5841	22948	10.5	31,500	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/10/2015 8:30 AM	7/10/2015 8:50 AM	726 Hanover Road	9253	9229	15455	0.33	1,000	Storm Sewer	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No
E	SSS	7/10/2015 8:25 AM	7/10/2015 8:30 AM	7301 Lincoln Avenue	7209	7210	15116	0.08	250	Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Pumps adjusted to meet discharge capacity	Yes	No
E	SSS	7/8/2015 9:30 AM	7/8/2015 11:00 AM	106 Harrison Boulevard	6296	6293	21909	1.5	100	Ground/Harper Ditch	Equipment Failure	Defective section of main sewer	Utility to replace section of sewer	Yes	No
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6617 E Oak Street	7253	5839	14394	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	SSS	7/7/2015 3:30 PM	7/7/2015 10:00 PM	6601 E Oak Street	5840	5841	22948	6.5	39,000	Ground / Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	4211 Western Avenue	11572	11576	15638	1	3,000	Ground/Carpenter Creek Tributary	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
E	CSS	7/7/2015 3:30 PM	7/7/2015 4:30 PM	1475 E Diamond Avenue	12210	12209	14882	1	3,000	Ground/Storm Sewer	Hydraulically Maximized	Collection System hydraulically Maximized	Precipitation event ended and collection system returned to normal capacity	Yes	No
W	SSS	7/3/2015 7:00 PM	7/4/2015 12:00 PM	3204 Martin Avenue	8920	8921	20692	17	1,020	Ground/Carpenter Creek Tributary	Roots	Root infiltration	Replaced section of main sewer	Yes	No

TABLE 3-4
CCTV Inspections at SSO or CSS Release Locations
July 1, 2020 through December 31, 2020 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
W	SSS	11/23/2020 11:45 AM	11/23/2020 5:30 PM	700 Boehne Camp Road	11465	11466	21549	5.75	3,450	Carpentier Creek Tributary	Equipment Failure	Broken section of main sewer	Replaced section of main sewer	Yes	No
W	SSS	10/24/2020 10:50 AM	10/24/2020 2:30 PM	10324 Wilmington Drive	12954	12935	8808	3.67	440	Ground/Little Pigeon Creek Tributary	Debris	Debris in sewer	Sewer cleaned to remove debris	Yes	No
W	SSS	8/12/2020 9:30 AM	8/12/2020 2:00 PM	214 S Rosenberger Avenue	28437	11267	26772	4.5	5,400	Carpentier Creek Tributary	Equipment Failure	Defective section of main sewer	Contractor replaced section of main sewer	Yes	No
W	SSS	7/24/2020 8:45 AM	7/24/2020 10:00 AM	508 Holly Hill Drive	127135	127136	12167	1.25	375	Storm Retention Pond	Roots	Root infiltration	Sewer cleaned to remove roots	Yes	No

TABLE 7-1

Updated Food Establishment Listing

July 1, 2020 through December 31, 2020 Reporting Period

Establishment	Address	Zip Code
11th Frame Lounge	1801 W Franklin St	47712
2121 North Commons	2121 N Green River Rd	47715
2nd Language	401 NW 2nd Suite A	47708
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
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 Church	4400 Lincoln Ave	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, 2020 through December 31, 2020 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
Blenderz	4301 N First Ave	47710
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
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
Buffalo Wild Wings #45	715 N Green River Rd	47715
Buffalo Wild Wings #50	5405 Pearl Dr	47712
Burdette Pool	5301 Nurrenbern Rd	47712
Burger Bank	1617 S Weinbach Ave	47714
Burger King	1100 Hirschland Rd	47715
Burger King	2501 Menards Dr	47715
Burger King #1264	4400 First Ave	47710
Burger King #2243	1301 Covert Ave	47714
By the Slice	2011 Lincoln Ave	47714
Cafe Arazu	415 Main St	47708
Cambridge Golf Course	1034 Beacon Hill Dr	47725
Canton Inn	947 North Park Dr	47710
Captain D's #3731	1200 Covert Ave	47714
Carne Asada LLC	1354 E Division St	47711
Carousel	5115 Monroe Ave	47715
Carver Community Center	400 SE Eighth St	47713
Casey's General Store	2031 Cross Pointe Blvd	47715

TABLE 7-1

Updated Food Establishment Listing

July 1, 2020 through December 31, 2020 Reporting Period

Establishment	Address	Zip Code
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
Chaser's Bar & Grill	2129 W Franklin St	47712
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	4400 West Lloyed Expressway	47712
Chick-fil-A	7101 E Indiana St	47715
Chick-fil-A	800 N Green River Rd	47715
China Experience & Yihi Japan	800 N Green River Rd	47715
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	1201 W Columbia St	47710
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
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
Coconut Cafe @ Walther's Golf-N-Fun Center	2301 N First Ave	47710
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

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Establishment	Address	Zip Code
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
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	4140 First Ave	47710
Dairy Queen	4830 University Dr	47712
Damsel Brew Pub	209 N. Wabash Ave.	47712
Daniel Wertz School	1701 S Redbank Rd	47712
Darmstadt Inn	13130 Darmstadt Rd	47725
Dave's Sportsden	701 N Weinbach Ave #110	47711
Deaconess Child Care Center	235 W Iowa St	47710
Deaconess Cross Pointe	7200 E Indiana St	47715
Deaconess Health System	600 Mary St	47710
DeerHead Sidewalk Cafe	222 E Columbia St	47711
Delaware School	700 N Garvin St	47711
Denny's #397	3901 N Highway 41	47711
Denny's #244	351 N Green River Rd	47715
Denny's #290	5212 Weston Rd	47712
Dexter School	951 Dexter Ave	47714
Diamond Lanes	2400 N Highway 41	47711
D-ICE	800 N Green River Rd	47715

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Establishment	Address	Zip Code
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
Donato's Pizza	710 S Green River Rd Suite 3	47715
Dontae's Highland Pizza Parlor	6669 Kratzville Rd	47710
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
Drake's	1222 Hirschland Road	47715
Dream Center	16 W Morgan Ave	47710
Drury Inn & Suites - Evansville East	100 Cross Point Blvd	47715
Dunkin Donuts	3960 N First Ave	47710
Dunkin Donuts	750 N Green River Rd	47715
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 Country Club	3810 Stringtown Rd	47711
Evansville Lutheran School	120 E Michigan St	47711
Evasville Museum of Arts and Sciences	411 SE Riverside Dr	47713
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 Veteran's Coliseum	300 Court Street	47708

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Establishment	Address	Zip Code
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
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
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. Ritzzy's	4810 University Dr	47712
G.D. Ritzzy's	4320 First Ave	47710
G.D. Ritzzy's	601 N Green River Rd	47715
Gangnam Korean Cuisine	518 Main St	47708
Gardo's Italian Oven	13220 Darmstadt Rd	47725
Gary's Parkway Pizza	3911 Broadway Ave	47712
Gasoline Alley	3526 Interstate Dr	47715
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
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
Gollita Peruvian Cuisine	4313 E Morgan Ave	47715
Good Samaritan Home Inc	601 N Boeke Rd	47711
Good Shepherd School	2301 N Stockwell Rd	47715

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Establishment	Address	Zip Code
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
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
Hampton Inn	8000 Eagle Crest Blvd	47715
Hampton Inn Airport Evansville	5701 N Highway 41	47711
Happy Garden	1927 Pollack Ave	47714
Hardees	4400 Covert Ave	47714
Hardees	1501 N Boeke Rd	47711
Hardees	2315 W Illinois St	47712
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
Healthsmart Foods	1325 Newton Ave	47715
Healthsouth Deaconess	4100 Covert Ave	47714
Hebron Elementary School	4400 Bellemeade Ave	47714
Helfich Treehouse Pub & Grill	1545 Mesker Park Dr	47720
Helfrich Park STEM Academy	2603 W Maryland St	47712
Heritage Center	1201 W Buena Vista Rd	47710
Herradura	4610 Bellemeade Ave	47714
Hickory Pit Stop	1521 N Main St	47711
High Score Saloon	323 Main Street	47708
Highland Elementary School	6701 Darmstadt Rd	47725
Highland Inn Inc	6620 N First Ave	47710
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

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Establishment	Address	Zip Code
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
Honeymoon Coffee	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
Jimmy Johns	701 N Burkhardt Rd	47715
Jimmy Johns	330 Main St	47708
Jimmy Johns	130 N St Joseph Ave	47712
Jimmy Johns	2320 N Green River Rd	47715
Jimmy's Una Pizza	4711 Pollack Ave	47714
Joshua Academy	1230 E Illinois St	47711
Journey Fish, Chicken & Gyro	825 S Green River Rd	47715
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
KFC #C119004	900 S Green River Rd	47715
KFC/Taco Bell #C119005	4422 W Lloyd Expressway	47712

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Establishment	Address	Zip Code
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
Leisure Living Clubhouse Cafe	2750 Allens Ln	47720
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 School	635 Lincoln Ave	47713
Lin's Asian Express	520 N 1st Ave	47710
Little Caesar's Pizza	2007 Washington Ave	47714
Little Caesar's Pizza	2411 Stringtown Rd	47711
Little Caesar's Pizza	130 N St Joseph Ave	47712
Little Italy	4430 First Ave	47710
Lodge Community School	1400 E Riverside Dr	47714
Lombardi's New York Pizza	3311 N Green River Rd	47715
Long John Silvers #04	1015 S Green River Rd	47715
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 Alfaros	1021 S Weinbach Ave	47714
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

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Establishment	Address	Zip Code
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
Marathon Convenient Store	1601 N 1st Avenue	47710
Marigold Bar	2112 S Weinbach Ave	47714
Market Street Living	304 Market St	47708
Marx Bar B Q	3119 W Maryland St	47720
Mater Dei High School	1300 Harmony Way	47720
McAlister's Deli	2220 N Green River Rd	47715
McAllister's Deli	5301 Pearl Dr	47712
McCutchanville Elementary School	10701 Petersburg Rd	47725
McDonalds	1148 Washington Ave	47714
McDonalds	2960 Covert Ave	47714
McDonalds	4701 Lincoln Ave	47715
McDonald's	3704 N 1st Ave	47710
McDonalds #10878	19700 N Highway 41	47725
McDonalds #11291	115 S Rosenberger Ave	47712
McDonalds #11365	20 N Main St	47711
McDonalds #20552	999 E Mt Pleasant Rd	47725
McDonalds #25751	49 N Burkhardt Rd	47715
McDonalds #31565	3350 N Green River Rd	47715
McDonalds #35457	1617 Bartlett Ave	47711
McDonalds #5774	909 N St Joseph Ave	47720
McDonalds #7611	799 N Green River Rd	47715
McGary Middle School	1535 Joyce Ave	47714
Meals & More	7801 Bussing Dr	47725
Meijer #287	2622 Menards Dr	47715
Meijer Gas Station	2611 Menards Dr	47715
Mele's Diner	550 N Green River Rd	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

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Establishment	Address	Zip Code
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
Myriad Brewing Company	101 SE 1st Street	47708
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 Main Annex Gourmet Catering & Deli	701 N Main St	47711
North Jr High School	15325 N Highway 41	47725
North Park Nursing Center	650 Fairway Dr	47710
North River Health Campus	811 E Baseline Rd	47725
O'Brians Sports Bar & Grill	1801 N Green River Rd	47715
O'Charleys #237	7301 E Indiana St	47715
O'Charleys #296	5125 Pearl Dr	47712
Oak Hill School	7700 Oak Hill Rd	47712
Oak Meadow Country Club	11505 Browning Rd	47725
Oasis Assisted Living	1000 Burdette Ave	47714
Oasis Café Mediterranean Grill	5702 E Virginia St	47715
Old 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 Kitchen	111 S Green River Rd	47715
PaPa Johns	4204 First Ave	47710
Papa Johns	5436 E Indiana St	47715

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Establishment	Address	Zip Code
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
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
Pine Haven	3400 Stocker Dr	47720
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
Popeye's Louisiana Kitchen	2401 Menard's Dr.	47715
Price Less Foods	4851 W Pennsylvania St	47712
Proper Coffee	800 N Green River Rd	47715
Purple Cup Coffee	4502 W Lloyd Expressway	47712
Qdoba	922 N Burkhardt Rd	47715
Quality Inn	5006 Morgan Ave	47715
Quality Inn Mahadev	19622 Elpers Rd	47725
Rafferty's	1400 N Green River Rd	47715
Rally's #162	4720 E Morgan Ave	47715
Rally's #58	1201 E Virginia St	47711

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Establishment	Address	Zip Code
Read Street BBQ	421 Read St	47710
Red Lobster # 0058	4605 Bellemeade Ave	47714
Red Poppy Events House	4920 Lincoln Avenue	47715
Red Robin Gourmet Burgers	6636 E Lloyd Expressway	47715
Reitz High School	350 Dreier Blvd	47712
Reliable Adult Care	5130 Vogel Rd #130	47715
Rescue Mission	500 E Walnut St	47708
Residence Inn	8283 E Walnut St	47715
Ricks 718 Bar and Lounge	718 N Third Ave	47710
Ricks Sport Bar & Family Room	1531 S Green River Rd	47715
River Bend Association Inc	2207 W Franklin St	47712
River City Eagles #4023	1824 W Franklin St	47712
River City Mercantile & Coffee	223 Main St	47708
River Kitty Cat Café	226 Main St	47708
River Pointe Health Campus	3001 Galaxy Dr	47715
Riverview Adventist Christian Academy	2231 Burdette Ave	47714
Riverwalk Communities	401 SE 6th St	47713
Roca Bar	1618 S Kentucky Ave	47714
Roca Bar North	12301 N Highway 41	47725
Rock-A-Burger Food Truck	5201 Kratzville Rd	47710
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
Salsarita's Fresh Cantina	3910 E Morgan Ave	47715
Salvation Army Community Center	1040 N Fulton Ave	47710
Sam's Club #8123	6700 E Virginia St	47715
Sam's Food Mart	1000 Washington Ave	47714
Sam's Pizzeria	2011 Delaware St	47712
Sam's Southern Eatery	420 S Green River Rd	47715
Sam's Southern Eatery	3904 N 1st Ave	47710
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
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

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Establishment	Address	Zip Code
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
Showplace Cinemas	1801 Morgan Center Dr	47715
Showplace Cinemas	4200 N Third Ave	47710
Sicilano Subs	2021 W Franklin St	47712
Side Track Tavern	664 E Illinois St	47711
Signature HealthCARE	5233 Rosebud Ln	47630
Simpson's Supermarket	1365 Covert Ave	47714
Skateworld	1300 Fairfield Dr	47715
Skyzone	49 N Green River Rd	47715
Smitty's	2109 W Franklin St	47712
Solarbron Pointe	1501 McDowell Rd	47712
Sonic Drive-In #102	2200 Covert Ave	47714
Sonic Drive-In #105	4920 W Lloyd Expressway	47712
Sonic Drive-In #106	830 N Burkhardt Rd	47715
Sonic Drive-In #109	881 S Green River Rd	47714
Sonic Drive-In #111	3433 N Green River Rd	47715
Southern Indiana Career Technical Ctr Culinary Arts	1901 Lynch Rd	47711
Spankey's 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	2403 Washington Ave	47714
St Agnes School	1600 Glendale Ave	47712
St Anthony's Soup Kitchen	713 Second Ave	47710
St Benedicts School	530 S Harlan Ave	47714
St Boniface School	2031 W Michigan St	47712
St Johns Soup Kitchen	617 Bellemeade Ave	47713
St Mary's Medical Center	3700 Washington Ave	47714
St Pauls Episcopal	301 SE First St	47708
St. Vincent Center for Children & Families	730 W Delaware St	47710
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
Starbucks-Target	6625 E Lloyd Expressway	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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2020 through December 31, 2020 Reporting Period

Establishment	Address	Zip Code
Steves Una Pizza	1005 S St James Blvd	47714
Stockwell Inn	4001 E Eichel Ave	47715
Stockwell School	2501 N Stockwell Rd	47715
Stockyard Inn	1217 Baker St	47710
Stolls Country Inn South	19820 Castle Creek Dr	47725
Stop & Go - Food and Gas	520 S Barker Ave	47712
Stringtown School	4720 Stringtown Rd	47711
Subway	2744 N Green River Rd	47715
Subway	12500 N Highway 41	47725
Subway	501 N Main Suite A	47711
Subway	4750 W Lloyd Expressway	47712
Subway	4313 E Morgan Ave	47715
Subway	1343 Tutor Ln	47715
Subway	1677 Lincoln Ave	47714
Subway	520 Mary St	47710
Subway	200 S Green River Rd Ste C	47715
Subway - Berry Plastic Site	101 Oakley St	47710
Subway #12340	1401 Covert Ave	47714
Subway #15691	631 Walnut St	47713
Subway #23569	1300 E Morgan Ave	47711
Subway #28905	301 Main St	47708
Subway #30714	3200 N St Joe Unit A	47720
Subway #56335	6401 Hwy 41 N	47715
Subway #870	4218 N 1st Ave	47710
Subway Sandwich Shop	611 E Diamond Ave	47711
Subway Sandwich Shop	510 N St Joseph Ave	47712
Sunshine Juice Company	6225 E Virginia St	47715
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2020 through December 31, 2020 Reporting Period

Establishment	Address	Zip Code
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
Taste Of China	4579 University Dr	47712
Taste of NYC	800 N Green River Rd	47715
Tekoppel School	111 Tekoppel Ave	47712
Texas Roadhouse	7900 Eagle Crest Blvd	47715
TGI Fridays	800 N Green River Rd	47715
Thai Papaya Cuisine	1434 Tutor Ln	47715
The Caboose	915 N Main St	47711
The 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 Peephole Bar & Grill	201 Main St	47708
The Perfect Plan To Go	3101 N Green River Rd Ste 310	47713
The Rooftop	112 NW Martin Luther King Blvd	47708
The Taqueria	800 N Green River Rd	47715
The Vineyard	5721 E Virginia St	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
TJ Maxx Cafe	3301 Maxx Rd	47711
Tokyo Japan	3000 N Green River Rd	47715
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

TABLE 7-1

Updated Food Establishment Listing

July 1, 2020 through December 31, 2020 Reporting Period

Establishment	Address	Zip Code
Tropicana - Casino	615 NW Riverside Dr	47708
Tropicana - The District	701 NW Riverside Dr	47708
Tropicana Evansville Pavilion	450 NW Riverside Dr	47708
Tropicana Hotel/Conference Center/Temptation Buffet	421 NW Riverside Dr	47708
Turoni's	408 N Main St	47711
Turoni's Forget Me Not Inn	4 N Weinbach Ave	47711
Twisted Tomato	2333 St George Rd	47711
Twisted Tomato	1101 Harmony Way	47720
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
Venue 812	1401 N Boeke Rd	47711
VFW Post 1114	110 Wabash Ave	47712
Vietnamese Cuisine Restaurant	4602 Vogel Rd	47715
Virginia Food Market	628 E Virginia St	47711
Vogel School	1500 Oak Hill Rd	47711
Wal-Mart Market #5372	3430 Taylor Ave	47714
Wal-Mart Market Store	2500 N 1st Ave	47710
Wal-mart Supercenter #1263	401 N Burkhardt Rd	47715
Wal-mart Supercenter #1341	335 S Red Bank Rd	47712
Walnut Creek	525 Bente West Ct	47715
Walton's Comfort Food	956 Parrett St	47713
Wasabi	1122 Hirschland Road	47715
Washington Avenue Church of Christ	4001 Washington Avenue	47714
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 #399	400 N Burkhardt Rd	47715
Wendy's #401	601 E Boonville New Harmony Rd	47725
Wesselmans Sonntag	700 Sonntag Ave	47712
West River Health Campus	8530 Middle Mount Vernon	47712
West Terrace School	8000 West Terrace Dr	47712
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, 2020 through December 31, 2020 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
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 Mart	219 E Franklin St	47711
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
Zuki	1448 N Green River Rd	47715
Zuki - Downtown	222 Main St	47708

TABLE 7-2

Sewer Segments Treated for Root Intrusion

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	SubBasin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (LF)
SSS	E-11-6	3910 ASPEN DR	7/1/20	CO	7542	8606	8	RPM	305
SSS	E-11-6	3200 ASPEN DR.	7/7/20	281818	7368	8365	8	VCP	299
SSS	E-11-5	5017 CUNNINGHAM DR	7/8/20	7424	7425	8446	8	VCP	358
SSS	E-11-5	5100 MEMORY LN	7/17/20	7431	7430	8458	10	VCP	175
SSS	E-11-5	2233 SWINGING WAY	7/22/20	7566	7565	22631	8	VCP	98
SSS	E-11-5	2214 SWINGING WAY	7/22/20	7565	7504	22630	8	VCP	250
SSS	E-11-5	5521 TWICKINGHAM DR	8/4/20	7501	7502	8086	8	VCP	207
SSS	E-11-4	4906 TANGLEWOOD DR.	8/4/20	CO	7409	23033	8	VCP	105
SSS	E-9-1	308 S CONGRESS AVE	8/5/20	6337	6336	6741	8	VCP	313
SSS	E-11-5	5405 WINDING WAY	8/5/20	7438	7445	8435	10	VCP	393
SSS	E-11-5	5409 WINDING WAY	8/5/20	7446	7449	8657	8	VCP	162
SSS	E-11-4	2806 RIDGEWOOD DR.	8/6/20	7409	7407	23032	8	VCP	285
SSS	W-10-11	509 BERRY CT	8/6/20	282926	127135	12166	8	VCP	173
SSS	E-11-4	2914 RIDGEWOOD DR.	8/7/20	7416	7407	22845	8	VCP	292
SSS	E-11-5	5717 TWICKINGHAM DR	8/8/20	83067	83068	22501	8	VCP	167
SSS	E-11-4	2912 BERGDOLT RD	8/14/20	7391	83341	14736	8	VCP	307
SSS	E-11-5	5817 OHARA DR	8/15/20	7516	7515	22646	8	VCP	100
SSS	E-11-5	5817 OHARA DR	8/15/20	AEP	7515	28338	8	VCP	88
SSS	E-11-5	5911 TWICKINGHAM DR	8/15/20	83066	11085	8107	8	VCP	448
SSS	E-11-4	2908 LONGACRE DR	8/15/20	7529	7332	22492	8	VCP	390
SSS	E-11-4	2908 LONGACRE DR	8/17/20	281808	7332	21971	8	VCP	139
SSS	E-11-4	4501 CLOVER DR	8/19/20	82718	7335	8079	10	VCP	330
SSS	E-11-5	6208 OHARA DR	8/19/20	11080	11079	22561	8	VCP	373
SSS	E-11-4	4808 CLOVER DR.	8/19/20	7403	7404	22844	8	VCP	147
SSS	W-1-1	1004 S BOSSE AVE	8/20/20	284591	11157	31434	8	VCP	228
SSS	E-11-4	4900 CUNNINGHAM DR	8/21/20	7418	7417	8482	10	VCP	375
SSS	E-11-5	5600 WARD RD	9/15/20	AEP	7491	8088	8	VCP	65
SSS	E-11-5	5119 MEMORY LN	9/16/20	7432	7431	8451	8	VCP	351
SSS	E-11-5	6024 OHARA DR	9/16/20	11069	11068	8828	8	VCP	326
SSS	E-11-5	2217 SWINGING WAY	9/17/20	7505	7501	8085	8	VCP	337
SSS	E-11-5	5812 WARD RD	9/17/20	7520	7517	22496	8	VCP	143
SSS	E-11-5	5911 OHARA DR	9/19/20	AEP	7520	22648	8	VCP	182
SSS	E-9-9	6609 E CHESNUT ST	10/8/20	AEP	5847	24339	8	VCP	297
SSS	W-12-6	614 BIDDLE CT	10/8/20	126185	126184	12995	8	VCP	412
SSS	E-11-3	4219 N CONGRESS AVE	10/23/20	83245	83244	14280	8	RPM	299

TABLE 7-2

Sewer Segments Treated for Root Intrusion

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	SubBasin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (LF)
SSS	W-13-3	4200 UPPER MOUNT VERNON RD (REAR)	10/26/20	282924	11555	15602	12	VCP	329
SSS	E-11-6	4235 N IROQUOIS DR	12/3/20	284296	83243	30978	8	RPM	297
SSS	E-9-9	6609 E WALNUT ST	12/3/20	CO	5849	24340	8	VCP	213
SSS	E-9-11	7214 E POWELL AVE	12/15/20	7093	7092	23515	8	VCP	344
SSS	E-9-11	7309 E CHANDLER AVE	12/16/20	7092	7091	23514	8	VCP	352
Total Segment Length Treated (ft)									10,455

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-9-2	1031 CARRIAGE DR	1/7/20	AEP	6178	26975	8	VCP	54
SSS	E-9-9	6817 LINCOLN AVE	2/21/20	7229	ATC	5340	8	VCP	22
SSS	E-9-12	7408 E WALNUT ST	2/22/20	14123	14124	7268	8	RPM	227
SSS	E-9-5	6133 BRIGHTON DR	3/9/20	5906	5905	6942	8	RPM	375
SSS	E-9-8	708 SOUTHFIELD RD	3/27/20	284554	5425	31384	8	RPM	159
SSS	E-9-8	6609 LINCOLN AVE	3/30/20	5835	281858	7370	8	RPM	174
SSS	E-9-1	226 S CONGRESS AVE	4/30/20	6337	6336	6741	8	VCP	313
SSS	E-9-1	107 S IROQUOIS DR	5/5/20	6335	6334	6722	8	VCP	386
SSS	E-9-1	13 S KENMORE DR	5/6/20	AEP	6327	31404	8	PVC	36
SSS	E-11-6	4436 EMMA DR	6/13/20	15154	15155	14311	10	RPM	327
SSS	E-11-6	4426 EMMA DR	6/13/20	83237	15156	14271	8	RPM	161
SSS	E-11-6	4426 EMMA DR	6/13/20	15155	15156	14310	10	RPM	79
SSS	E-11-6	4417 QUILL DR	6/13/20	15156	15157	14306	10	RPM	376
SSS	E-11-6	3200 ASPEN DR	6/15/20	281818	7368	8365	8	VCP	299
SSS	E-11-6	4415 ASPEN DR	6/16/20	284295	284287	30970	8	RPM	363
SSS	E-11-6	3910 ASPEN DR	6/16/20	AEP	7542	8606	8	RPM	305
SSS	E-11-6	3624 ASPEN DR	6/16/20	7556	7358	8610	8	RPM	298
SSS	E-11-6	4343 N IROQUOIS DR	6/16/20	284294	284295	30969	8	RCP	157
SSS	E-11-6	3851 ASPEN DR	6/17/20	CO	7352	8603	8	RPM	193
SSS	E-11-6	3911 ASPEN DR	6/17/20	7352	7353	8604	8	RPM	203
SSS	E-11-6	4001 ASPEN DR	6/17/20	7353	7354	8605	8	RPM	293
SSS	E-11-6	3930 EASTBROOKE DR	6/18/20	7354	7536	8109	8	RPM	186
SSS	E-11-5	5405 WINDING WAY	6/23/20	7438	7445	8435	10	VCP	393
SSS	E-11-5	5409 WINDING WAY	6/23/20	7445	7446	8436	10	VCP	104
SSS	E-11-5	2415 SWINGING WAT CT	6/23/20	12560	12561	8114	8	RPM	109
SSS	E-11-5	5511 CUNNINGHAM CT	6/23/20	12564	7448	8663	8	RPM	260
SSS	E-11-5	2601 ST GEORGE RD	6/24/20	7446	7449	8657	8	VCP	162
SSS	E-11-5	2700 MELROSE RD	6/24/20	7433	7430	8453	8	VCP	270
SSS	E-11-5	5119 WINDING WAY	6/24/20	7437	281914	28493	8	VCP	267
SSS	E-11-5	5101 WINDINGWAY	6/24/20	281914	7426	8449	8	VCP	275
SSS	E-11-5	5101 WINDINGWAY	6/24/20	CO	7426	28497	8	VCP	42
SSS	E-11-5	5101 WINDING WAY	6/24/20	7426	7427	8459	10	VCP	319
SSS	E-9-9	508 GREENFIELD RD	6/25/20	CO	7254	24341	8	VCP	180
SSS	E-11-5	2701 MELROSE AVE	6/25/20	7423	7427	27129	8	VCP	189
SSS	E-11-5	2617 VISTA VIEW DR	6/25/20	7422	281443	27127	8	VCP	355
SSS	E-11-5	5111 MEMORY LN	6/25/20	7432	7431	8451	8	VCP	351

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-5	5213 MEMORY LN	6/25/20	7525	280756	8456	8	VCP	202
SSS	E-11-5	5301 MEMORY LN	6/25/20	280756	7526	28523	8	VCP	126
SSS	E-11-5	5401 MEMORY LANE	6/25/20	7526	7452	8430	8	VCP	337
SSS	E-11-5	2520 VISTA VIEW DR	6/25/20	281444	281443	27126	8	VCP	124
SSS	E-11-5	2509 VISTA VIEW DR	6/26/20	281443	7424	27125	8	VCP	280
SSS	E-11-5	5009 CUNNINGHAM DR	6/26/20	7424	7425	8446	10	VCP	358
SSS	E-11-5	5307 CUNNINGHAM DR	6/26/20	7439	7447	8448	10	VCP	333
SSS	E-11-5	5209 CUNNINGHAM DR	6/26/20	7436	7439	8447	10	VCP	320
SSS	E-11-5	5408 CUNNINGHAM DR	6/26/20	7447	7448	8658	8	VCP	305
SSS	E-11-5	2501 ST GEORGE RD	6/26/20	7449	7448	8661	10	VCP	373
SSS	E-11-5	5115 CUNNINGHAM DR	6/26/20	7425	7436	8445	10	VCP	308
SSS	E-11-5	5217 WARD RD	6/29/20	282608	282607	29158	8	RPM	349
SSS	E-11-5	5301 WARD RD	6/29/20	282607	282606	29159	8	RPM	117
SSS	E-11-5	5111 ELMHURST DR	6/29/20	7427	7435	8450	10	VCP	351
SSS	E-11-5	5209 ELMHURST DR	6/29/20	7434	7527	8454	8	VCP	278
SSS	E-11-5	5301 ELMHURST DR	6/29/20	7527	7443	8457	10	VCP	139
SSS	E-11-5	5401 ELMHURST DR	6/29/20	7443	7442	8112	8	VCP	326
SSS	E-11-5	5412 MEMORY LN	6/29/20	7452	7442	8431	10	VCP	269
SSS	E-11-5	5307 ELMHURST DR	6/29/20	7441	7444	8433	8	VCP	303
SSS	E-11-5	5209 ELMHURST DR	6/29/20	7435	7441	8432	10	VCP	352
SSS	E-11-5	5413 ELMHURST DR	6/29/20	7444	7450	8656	8	VCP	302
SSS	E-11-5	2601 ST GEORGE RD	6/30/20	7450	7449	8660	10	VCP	277
SSS	E-11-5	2701 ST GEORGE RD	6/30/20	7451	7450	8659	10	VCP	144
SSS	E-11-5	5401 WARD RD	7/1/20	282606	282609	29163	8	RPM	55
SSS	E-11-5	5401 WARD RD	7/1/20	282609	282605	29160	8	RPM	402
SSS	E-11-5	5401 WARD RD	7/1/20	282605	282604	29161	8	RPM	22
SSS	E-11-5	2701 ST GEORGE RD	7/1/20	7442	7451	8655	10	VCP	138
SSS	E-11-6	4235 N IROQUOIS DR	7/1/20	284296	83243	30978	8	RPM	297
SSS	E-11-5	2301 WARD RD	7/1/20	282604	7489	29162	8	RPM	161
SSS	E-11-5	5418 ST GEORGE RD	7/2/20	7448	7489	15766	12	VCP	399
SSS	E-11-4	2700 BERGDOLT RD	7/6/20	7385	7384	14421	15	VCP	367
SSS	E-11-4	2700 BERGDOLT RD	7/6/20	7386	7385	14989	15	VCP	376
SSS	E-11-4	4703 BERGDOLT DR	7/6/20	7383	7381	15361	15	VCP	293
SSS	E-11-4	2700 BERGDOLT RD	7/6/20	7384	281437	15362	15	VCP	367
SSS	E-11-4	4703 BERGDOLT RD	7/6/20	281437	7383	27116	15	VCP	73
SSS	E-11-5	2251 VENETIAN DR	7/6/20	11071	11072	8827	8	VCP	219

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-5	2251 VENETIAN DR	7/6/20	11072	11073	8096	8	VCP	303
SSS	E-11-5	2209 VENETIAN DR	7/6/20	11073	11077	8097	8	VCP	376
SSS	E-11-5	4920 OAK HILL RD	7/6/20	7431	7430	8458	10	VCP	282
SSS	E-11-5	2700 MELROSE AVE	7/6/20	7430	7427	8452	10	VCP	144
SSS	E-11-4	4700 BERGDOLT RD	7/7/20	15099	281436	14419	15	VCP	62
SSS	E-11-4	4703 BERGDOLT RD	7/7/20	7381	7380	14990	15	VCP	364
SSS	E-11-4	4703 BERGDOLT DR	7/7/20	7380	15099	14991	15	VCP	148
SSS	E-11-5	6009 TWICKINGHAM DR	7/7/20	83062	83061	8101	8	VCP	90
SSS	E-11-5	2201 DÜSSELDORF DR	7/7/20	83061	83060	8092	8	VCP	178
SSS	E-11-5	2209 DÜSSELDORF DR	7/7/20	83063	83060	8091	8	VCP	315
SSS	E-11-5	6113 TWICKINGHAM DR	7/7/20	83060	11077	8102	8	VCP	294
SSS	E-11-5	6201 TWICKINGHAM DR	7/7/20	11077	11078	8093	8	VCP	299
SSS	E-11-4	4720 BERGDOLT RD	7/9/20	15103	15102	14993	15	VCP	227
SSS	E-11-4	2130 BERGDOLT RD	7/9/20	15104	15103	14994	15	VCP	366
SSS	E-11-4	4700 BERGDOLT RD	7/9/20	15105	15104	14995	15	VCP	366
SSS	E-11-4	4703 BERGDOLT RD	7/9/20	281436	15105	27115	15	VCP	216
SSS	E-11-5	6205 OHARA DR	7/9/20	11081	11080	22562	8	VCP	236
SSS	E-11-5	6210 OHARA DR	7/9/20	11080	11079	22561	8	VCP	373
SSS	E-11-5	6222 OHARA DR	7/9/20	11079	11078	22291	8	VCP	409
SSS	E-11-5	6223 TWICKINGHAM DR	7/9/20	11078	11087	8103	8	VCP	139
SSS	E-11-5	2233 SWINGING WAY	7/9/20	7566	7565	22631	8	VCP	98
SSS	E-11-5	2238 SWINGING WAY	7/9/20	7567	7566	22632	8	VCP	87
SSS	E-11-4	4925 HITCH PETERS RD	7/10/20	7477	7476	23714	15	VCP	394
SSS	E-11-4	5001 HITCH PETERS RD	7/10/20	7478	7477	23715	15	VCP	375
SSS	E-11-4	2007 HITCH PETERS RD	7/10/20	7479	7478	23716	15	VCP	386
SSS	E-11-4	2007 HITCH PETERS RD	7/10/20	7480	7479	23717	15	VCP	384
SSS	E-11-5	2214 SWINGING WAY	7/10/20	7565	7504	22630	8	VCP	250
SSS	E-11-5	5621 TWICKINGHAM DR	7/10/20	7504	7503	22629	8	VCP	169
SSS	E-11-5	5914 TWICKINGHAM DR	7/10/20	11083	11084	8095	8	VCP	86
SSS	E-11-5	5911 TWICKINGHAM DR	7/10/20	280755	11083	26245	8	VCP	288
SSS	E-11-5	6045 WARD RD	7/10/20	AEP	11066	8676	8	RPM	190
SSS	E-11-5	6024 WARD RD	7/10/20	11066	11065	8675	8	RPM	56
SSS	E-11-5	5600 WALSH RD	7/10/20	7500	7499	22627	8	VCP	158
SSS	E-11-5	5520 WALSH RD	7/10/20	7499	7498	22634	8	VCP	102
SSS	E-11-5	5911 TWICKINGHAM DR	7/10/20	7568	11083	8094	8	VCP	149
SSS	E-11-5	5500 WALSH RD	7/10/20	7498	7486	22635	8	VCP	236

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-5	2208 HERITAGE DR	7/10/20	11084	11085	8106	12	RCP	173
SSS	E-11-3	3001 LYNCH RD	7/11/20	14495	14494	21963	10	RPM	258
SSS	E-11-3	3820 LYNCH RD	7/11/20	14496	14495	21964	10	RPM	319
SSS	E-11-3	2715 LYNCH RD	7/11/20	14493	14492	21966	10	VCP	336
SSS	E-11-3	2955 LYNCH RD	7/11/20	14494	14493	23131	10	RPM	325
SSS	E-11-3	2715 LYNCH RD	7/11/20	14492	14497	23132	10	VCP	18
SSS	E-11-1	2205 OAK HILL RD	7/13/20	6995	6994	15478	12	RCP	409
SSS	E-11-1	2825 OAK HILL RD	7/13/20	6994	10470	15480	12	RCP	356
SSS	E-11-5	5900 TWICKINGHAM CT	7/13/20	282737	7568	8087	8	VCP	141
SSS	E-11-5	6224 WARD RD	7/13/20	11082	11070	8831	8	VCP	325
SSS	E-11-5	6017 HAMILTON DR	7/13/20	11069	11068	8828	8	VCP	326
SSS	E-11-5	6027 HAMILTON DR	7/13/20	83064	11068	8830	10	VCP	175
SSS	E-11-5	2220 HERITAGE DR	7/13/20	11085	11086	8090	12	RCP	282
SSS	E-11-5	2262 DUSSELDORF DR	7/14/20	11068	11067	8832	10	VCP	328
SSS	E-11-5	6026 HAMILTON DR	7/14/20	11086	83064	12575	10	VCP	259
SSS	E-11-2	LYNCH RD & AMERICAN WAY	7/15/20	14490	14489	16648	15	RCP	163
SSS	E-11-2	LYNCH RD & AMERICAN WAY	7/15/20	281435	14490	27114	15	RCP	217
SSS	E-11-5	2240 RIDGECREST DR	7/15/20	AEP	281803	28339	8	VCP	217
SSS	E-11-5	2240 RIDGECREST DR	7/15/20	281803	7513	28340	8	VCP	172
SSS	E-11-5	5720 OHARA DR	7/16/20	7513	7514	22643	8	VCP	131
SSS	E-11-5	5714 OHARA DR	7/16/20	7514	7496	22644	8	VCP	126
SSS	E-11-2	GARRISON AVE & LYNCH RD	7/17/20	9520	9506	15492	12	VCP	48
SSS	E-11-2	1618 GARRISON AVE	7/17/20	9505	9520	15493	8	VCP	235
SSS	E-11-2	1700 LYNCH RD	7/17/20	280688	9507	26173	12	VCP	179
SSS	E-11-2	1618 LYNCH RD	7/17/20	9506	280687	26174	12	RCP	113
SSS	E-11-2	1618 LYNCH RD	7/17/20	280687	280688	26175	12	RCP	36
SSS	E-11-2	1800 LYNCH RD	7/20/20	7371	7372	22139	12	RCP	356
SSS	E-11-2	LYNCH RD & CAREER AVE	7/20/20	9507	7371	22142	12	RCP	343
SSS	E-11-2	1901 VENTURE DR	7/20/20	100034	7534	25998	8	RPM	317
SSS	E-11-2	1901 MAXX RD	7/20/20	100033	100034	26019	8	RPM	353
SSS	E-11-5	6000 WARD RD	7/20/20	11065	11064	15698	12	RCP	309
SSS	E-11-5	2301 DÜSSELDORF DR	7/20/20	11070	11067	8826	8	VCP	421
SSS	E-11-5	6024 WARD RD	7/20/20	11067	11065	8836	8	VCP	135
SSS	E-11-5	5812 WARD RD	7/20/20	11064	7519	22495	12	VCP	350
SSS	E-11-5	5906 HAMILTON DR	7/21/20	83066	11085	8107	8	VCP	448
SSS	E-11-5	5716 TWICKINGHAM DR	7/21/20	7511	7510	22647	8	VCP	201

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-5	5614 OHARA DR	7/21/20	7495	7494	22639	12	VCP	128
SSS	E-11-5	5716 TWICKINGHAM DR	7/21/20	7510	7509	22500	8	VCP	56
SSS	E-11-5	5700 TWICKINGHAM DR	7/21/20	7509	7508	22499	8	VCP	172
SSS	E-11-5	5620 TWICKINGHAM DR	7/21/20	7508	7507	22497	8	VCP	62
SSS	E-11-5	5901 OHARA DR	7/21/20	AEP	7520	22648	8	VCP	182
SSS	E-11-5	5817 HAMILTON DR	7/21/20	AEP	7515	28338	8	VCP	88
SSS	E-11-5	5817 OHARA DR	7/21/20	CO	7515	22646	8	VCP	123
SSS	E-11-5	5901 OHARA DR	7/21/20	7515	7520	22649	8	VCP	190
SSS	E-11-5	5811 OHARA DR	7/21/20	7520	7517	22496	8	VCP	143
SSS	E-11-5	5812 WARD RD	7/21/20	7519	7517	22494	12	VCP	148
SSS	E-11-5	5706 OHARA DR	7/22/20	7496	7495	22638	12	VCP	245
SSS	E-11-5	5715 OHARA DR	7/22/20	7518	7497	22493	12	VCP	293
SSS	E-11-5	5801 OHARA DR	7/22/20	7517	7518	22650	12	PVC	109
SSS	E-11-5	5714 OHARA DR	7/22/20	7497	7496	22637	12	VCP	202
SSS	E-11-5	5506 OHARA DR	7/22/20	37294	7487	22641	12	VCP	309
SSS	E-11-5	5514 OHARA DR	7/22/20	7488	284611	15696	12	VCP	151
SSS	E-11-5	5601 WALSH RD	7/22/20	7494	37294	22640	12	VCP	207
SSS	E-11-5	5816 SWINGING WAY	7/22/20	AEP	7491	8088	8	VCP	65
SSS	E-11-5	5816 SWINGING WAY	7/22/20	AEP	7491	8705	8	RPM	95
SSS	E-11-5	5701 OHARA DR	7/22/20	7491	7492	8089	8	VCP	268
SSS	E-11-4	HITCH PETERS RD & BERGDOLT RD	7/23/20	15101	15100	14420	15	VCP	335
SSS	E-11-2	3301 LYNCH RD	7/23/20	7312	7311	16646	15	RCP	423
SSS	E-11-2	1900 LYNCH RD	7/23/20	7311	7373	16647	15	RCP	422
SSS	E-11-2	1800 LYNCH RD	7/23/20	7372	7313	22140	12	RCP	371
SSS	E-11-2	4004 LYNCH RD	7/23/20	7313	7310	22143	12	RCP	203
SSS	E-11-4	HITCH PETERS RD & ST GEORGE RD	7/23/20	38121	281446	23718	15	VCP	116
SSS	E-11-5	2301 ST GEORGE RD	7/24/20	7487	7486	15695	12	VCP	323
SSS	E-11-5	2301 ST GEORGE RD	7/24/20	7486	282444	15694	12	VCP	17
SSS	E-11-5	2141 ST GEORGE RD	7/24/20	282444	7485	29015	12	VCP	258
SSS	E-11-5	5620 TWICKINGHAM DR	7/24/20	7506	7507	22498	8	VCP	116
SSS	E-11-5	5717 TWICKINGHAM DR	7/24/20	83067	83068	22501	8	VCP	167
SSS	E-11-5	5701 TWICKINGHAM DR	7/24/20	83068	7506	22502	8	VCP	184
SSS	E-11-5	5614 TWICKINGHAM DR	7/24/20	7507	7503	22633	8	VCP	127
SSS	E-11-5	2141 ST GEORGE RD	7/24/20	7485	284612	15693	12	VCP	75
SSS	E-11-5	2141 ST GEORGE RD	7/24/20	284612	7484	31475	12	VCP	368
SSS	E-11-5	2141 ST GEORGE RD	7/24/20	7484	7483	15692	12	VCP	349

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-5	2007 ST GEORGE RD	7/24/20	7483	7482	15691	12	VCP	343
SSS	E-11-5	5520 TWICKINGHAM DR	7/25/20	7503	7052	22628	8	VCP	201
SSS	E-11-5	5520 TWICKINGHAM DR	7/25/20	7501	7502	8086	8	VCP	207
SSS	E-11-5	5601 TWICKINGHAM DR	7/25/20	7505	7501	8085	8	VCP	337
SSS	E-11-5	2301 ST GEORGE RD	7/25/20	7492	7488	8481	8	RCP	538
SSS	E-11-5	2301 ST GEORGE RD	7/25/20	7489	7488	8483	10	VCP	198
SSS	E-11-1	2825 OAK HILL RD	7/27/20	10470	64254	15481	12	RPM	37
SSS	E-11-5	2007 ST GEORGE RD	7/27/20	7482	38121	15697	12	VCP	360
SSS	E-11-5	2141 ST GEORGE RD	7/27/20	7502	7485	22636	8	VCP	351
SSS	E-11-2	3301 LYNCH RD	7/28/20	7316	7315	16642	15	RCP	407
SSS	E-11-2	3301 LYNCH RD	7/28/20	7315	7314	16643	15	RCP	409
SSS	E-11-2	3301 LYNCH RD	7/28/20	7314	7312	16645	15	RCP	431
SSS	E-11-4	4912 CLOVER DR	7/28/20	CO	7414	8439	8	VCP	108
SSS	E-11-4	2906 ASHWOOD AVE	7/28/20	7410	7411	23034	8	VCP	217
SSS	E-11-4	2800 ASHWOOD AVE	7/28/20	CO	7410	23035	8	VCP	32
SSS	E-11-4	2912 ASHWOOD AVE	7/28/20	7412	7411	8437	8	VCP	215
SSS	E-11-4	3012 ASHWOOD AVE	7/28/20	7414	7412	8438	8	VCP	293
SSS	E-11-2	3301 LYNCH RD	7/29/20	7317	7316	16641	15	RCP	408
SSS	E-11-2	3301 LYNCH RD	7/29/20	14499	7317	16644	15	RCP	156
SSS	E-11-4	4517 GRACE CT	7/29/20	AEP	7398	30876	8	VCP	6
SSS	E-11-4	4601 GRACE CT	7/29/20	7398	7396	8372	8	VCP	216
SSS	E-11-4	3012 RIDGEWOOD DR	7/29/20	7402	7416	22846	8	VCP	168
SSS	E-11-4	2914 RIDGEWOOD DR	7/29/20	7416	7407	22845	8	VCP	292
SSS	E-11-4	4906 TANGLEWOOD DR	7/29/20	CO	7409	23033	8	VCP	101
SSS	E-11-4	2806 RIDGEWOOD DR	7/29/20	7409	7407	23032	8	VCP	285
SSS	E-11-4	2901 ASHWOOD AVE	7/29/20	7411	7407	23031	8	VCP	189
SSS	E-11-4	4609 GRACE CT	7/29/20	7397	7396	8371	8	VCP	100
SSS	E-11-2	2401 LYNCH RD	7/30/20	14498	281434	16650	15	RCP	186
SSS	E-11-2	2401 LYNCH RD	7/30/20	14489	14498	16651	15	RCP	229
SSS	E-11-2	2401 LYNCH RD	7/30/20	281434	14499	27113	15	RCP	245
SSS	E-11-4	4617 GRACE CT	7/31/20	7396	14431	8689	8	VCP	189
SSS	E-11-4	3301 BERGDOLT RD	7/31/20	14431	14429	24350	8	VCP	220
SSS	E-11-4	3250 BERGDOLT RD	7/31/20	CO	14430	8690	8	RPM	120
SSS	E-11-4	2902 RIDGEWOOD DR	8/1/20	7407	7406	22849	8	VCP	144
SSS	E-11-4	2815 RIDGEWOOD DR	8/1/20	7406	169153	22847	8	VCP	173
SSS	E-11-4	2807 RIDGEWOOD DR	8/1/20	7563	169153	23036	8	VCP	250

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-4	4809 TANGLEWOOD DR	8/1/20	169153	7405	22851	8	VCP	100
SSS	E-11-4	4615 OAK HILL RD	8/4/20	14430	14429	8691	8	RPM	40
SSS	E-11-4	4615 OAK HILL RD	8/4/20	14429	14428	8694	8	VCP	165
SSS	E-11-4	4622 OAK HILL RD	8/6/20	14428	7393	8693	8	VCP	299
SSS	E-11-4	4808 CLOVER DR	8/6/20	7403	7404	22844	8	VCP	147
SSS	E-11-4	4809 TANGLEWOOD DR	8/6/20	7404	7405	22848	8	VCP	317
SSS	E-11-4	2900 BERGDOLT RD	8/6/20	7405	83341	22850	8	VCP	218
SSS	E-11-4	3108 BERGDOLT RD	8/7/20	7401	7394	20669	8	VCP	564
SSS	E-11-4	2840 BERGDOLT RD	8/8/20	83341	281183	26848	8	VCP	223
SSS	E-11-4	2700 BERGDOLT RD	8/8/20	281183	7386	22852	8	VCP	222
SSS	E-11-4	4501 CLOVER DR	8/8/20	82718	7335	8079	10	VCP	330
SSS	E-11-4	4340 OAKHILL RD	8/8/20	7337	7336	21972	8	VCP	191
SSS	E-11-4	4501 CLOVER DR	8/8/20	7336	7335	22488	8	VCP	513
SSS	E-11-4	3109 BERGDOLT RD	8/10/20	7393	7395	14735	8	VCP	53
SSS	E-11-4	3100 EASTBROOKE DR	8/10/20	AEP	7326	28970	8	VCP	138
SSS	E-11-4	4316 CLOVER DR	8/10/20	7326	7327	21967	10	VCP	90
SSS	E-11-4	3000 EASTBROOKE DR	8/10/20	7327	7328	22486	10	VCP	389
SSS	E-11-4	3012 BERGDOLT RD	8/10/20	7395	7391	14737	8	VCP	325
SSS	E-11-4	2912 BERGDOLT RD	8/10/20	7391	83341	14736	8	VCP	307
SSS	E-11-4	2809 EASTBROOKE DR	8/11/20	7329	7330	21969	8	VCP	62
SSS	E-11-4	2804 LONGACRE DR	8/11/20	7330	7331	21970	8	VCP	261
SSS	E-11-4	2812 LONGACRE DR	8/11/20	7331	281808	28347	8	VCP	80
SSS	E-11-4	2908 LONGACRE DR	8/11/20	281808	7332	21971	8	VCP	139
SSS	E-11-4	2908 LONGACRE DR	8/11/20	7328	7332	21968	10	VCP	348
SSS	E-11-4	2908 LONGACRE DR	8/11/20	7529	7332	22492	8	VCP	390
SSS	E-11-4	2908 LONGACRE DR	8/11/20	7332	82715	22487	10	VCP	127
SSS	E-11-4	4520 OHARA DR	8/11/20	CO	15108	8585	8	RPM	129
SSS	E-11-4	4600 OHARA DR	8/11/20	15108	15107	8584	8	RPM	292
SSS	E-11-4	4600 OHARA DR	8/11/20	15107	15106	8583	8	RPM	67
SSS	E-11-1	2121 OAK HILL RD	8/14/20	6996	6995	15477	12	VCP	163
SSS	E-11-1	2305 GLENN AVE	8/17/20	7002	7001	15473	12	RCP	188
SSS	E-11-1	2231 GLENN AVE	8/17/20	7001	7000	15474	12	RCP	159
SSS	E-11-1	2217 OAK HILL RD	8/17/20	7000	6997	15475	12	RCP	331
SSS	E-11-1	2217 OAK HILL RD	8/17/20	6997	6996	15476	12	RCP	399
SSS	E-11-4	4600 OHARA DR	8/17/20	15106	281436	8480	8	RPM	285
SSS	E-11-4	4901 ELMHURST DR	8/17/20	CO	7420	8443	8	VCP	123

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-4	2616 ASHWOOD AVE	8/18/20	7420	7419	8455	8	VCP	334
SSS	E-11-4	2509 ASHWOOD AVE	8/18/20	7419	7418	8442	8	VCP	352
SSS	E-11-4	4910 CUNNINGHAM DR	8/19/20	7528	7418	8441	8	VCP	221
SSS	E-11-4	BERGDOLT RD	8/19/20	7418	7417	8482	10	VCP	375
SSS	E-11-4	BERGDOLT RD	8/19/20	7417	7383	11067	10	VCP	403
SSS	E-11-4	3015 BLOSSOM LN	8/20/20	7335	7334	22489	8	VCP	328
SSS	E-11-5	2239 RIDGECREST DR	8/20/20	7512	7513	22642	8	VCP	322
SSS	E-11-4	2909 BLOSSOM LN	8/20/20	7334	7333	22490	10	VCP	354
SSS	E-11-4	2909 BLOSSOM LN	8/21/20	82715	7333	21973	10	VCP	161
SSS	E-11-4	2921 BERGDOLT RD	8/21/20	7392	7389	8366	8	VCP	476
SSS	E-11-4	2815 BERGDOLT RD	8/21/20	7389	7388	8596	8	VCP	312
SSS	E-11-4	2801 BLOSSOM LN	8/21/20	281912	AWW	28489	12	VCP	20
SSS	E-11-4	2801 BLOSSOM LN	8/21/20	7333	281912	22491	8	VCP	383
SSS	E-11-4	2801 BLOSSOM LN	8/21/20	7388	281912	8637	8	VCP	331
SSS	E-11-3	2925 ELMRIDGE DR	8/22/20	4349	4347	8375	8	RPM	347
SSS	E-11-3	2945 ELMRIDGE DR	8/22/20	281439	4349	27118	8	RPM	360
SSS	E-11-3	2945 ELMRIDGE DR	8/22/20	CO	4349	8587	8	RPM	112
SSS	E-11-3	2945 ELMRIDGE DR	8/22/20	4350	4349	8376	8	RPM	76
SSS	E-11-3	3033 ELMRIDGE DR	8/22/20	CO	4351	12151	8	RPM	62
SSS	E-11-3	3033 ELMRIDGE DR	8/22/20	CO	4351	12152	8	RPM	136
SSS	E-11-3	3023 ELMRIDGE DR	8/22/20	4351	4350	12150	8	RPM	87
SSS	E-11-3	4333 ELMRIDGE DR	8/24/20	4463	4462	14253	8	RPM	87
SSS	E-11-3	4023 N KENMORE DR	8/24/20	4415	4416	14248	8	RPM	278
SSS	E-11-3	4221 CLOVER DR	8/24/20	7323	7322	8594	8	RPM	427
SSS	E-11-3	4140 N KENMORE DR	8/24/20	4416	4417	14249	8	RPM	216
SSS	E-11-3	4250 ELMRIDGE DR	8/24/20	4418	4419	14251	8	RPM	301
SSS	E-11-3	3103 ELMRIDGE DR	8/24/20	4353	4352	8382	8	RPM	139
SSS	E-11-3	3121 ELMRIDGE DR	8/24/20	CO	4353	8383	8	RPM	81
SSS	E-11-3	4201 CLOVER DR	8/24/20	4352	4358	8586	8	RPM	360
SSS	E-11-3	3011 NICOLE DR	8/24/20	4358	4357	8373	8	RPM	250
SSS	E-11-3	4311 ELMRIDGE DR	8/24/20	4419	4462	14252	8	RPM	166
SSS	E-11-3	4214 N KENMORE DR	8/24/20	4417	4418	14250	8	RPM	78
SSS	E-11-3	4132 N CONGRESS	8/25/20	CO	281441	27119	8	RPM	181
SSS	E-11-5	6233 TWICKINGHAM DR	8/25/20	284600	AWW	8104	8	PVC	7
SSS	E-11-3	4234 ELMRIDGE DR	8/25/20	7585	7584	14255	8	VCP	190
SSS	E-11-3	3906 ELMRIDGE DR	8/25/20	7584	7583	8363	8	RPM	250

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-3	3814 ELMRIDGE DR	8/25/20	7583	7582	8370	10	RPM	293
SSS	E-11-3	2924 ELMRIDGE DR	8/25/20	CO	4348	8381	8	RPM	132
SSS	E-11-3	2824 ELMRIDGE DR	8/25/20	4348	4346	8380	8	RPM	286
SSS	E-11-3	2824 ELMRIDGE DR	8/25/20	4346	4345	8379	8	RPM	71
SSS	E-11-3	4130 JENNY PL	8/25/20	4345	4344	8377	8	RPM	130
SSS	E-11-3	4130 JENNY PL	8/25/20	CO	4345	8378	8	RPM	71
SSS	E-11-3	4149 N KENMORE DR	8/25/20	AEP	281870	28436	8	RPM	295
SSS	E-11-3	4212 JENNY PL	8/25/20	4354	4359	8384	8	RPM	169
SSS	E-11-3	2827 NICOLE DR	8/25/20	4355	4354	8386	8	RPM	41
SSS	E-11-3	2827 NICOLE DR	8/25/20	CO	4354	8385	8	RPM	58
SSS	E-11-3	2827 NICOLE DR	8/25/20	4356	4355	8387	8	RPM	252
SSS	E-11-3	2919 NICOLE DR	8/25/20	4357	4356	8388	8	RPM	314
SSS	E-11-3	3403 OAK TER	8/26/20	7341	7340	8616	8	RPM	376
SSS	E-11-3	3444 ELMRIDGE DR	8/26/20	7578	7344	8368	8	RPM	229
SSS	E-11-3	3301 OAK TER	8/26/20	7343	7342	8614	8	RPM	243
SSS	E-11-3	3410 ELMRIDGE DR	8/26/20	7344	7342	8611	8	RPM	426
SSS	E-11-3	3304 OAK TER	8/26/20	7340	7342	8615	8	RPM	184
SSS	E-11-3	3224 ELMRIDGE DR	8/26/20	7342	7339	8612	8	RPM	170
SSS	E-11-4	4720 BERGDOLT RD	8/27/20	15102	284610	14992	15	VCP	143
SSS	E-11-2	2715 LYNCH RD	8/27/20	14491	281435	16649	15	RCP	177
SSS	E-11-3	2715 LYNCH RD	8/27/20	14497	14491	22836	15	VCP	37
SSS	E-11-4	2007 HITCH PETERS RD	8/27/20	281446	7480	27130	15	VCP	250
SSS	E-11-4	4720 BERGDOLT RD	8/27/20	284610	15101	31473	15	VCP	359
SSS	E-11-3	3220 ELMRIDGE DR	8/27/20	7339	7338	8613	8	RPM	304
SSS	E-11-3	4203 OAK HILL RD	8/27/20	7338	82717	8593	8	RPM	253
SSS	E-11-3	4217 OAK HILL RD	8/27/20	82717	7324	8653	8	RPM	253
SSS	E-11-3	4115 ROSEWOOD	8/27/20	281441	83246	27120	8	RPM	179
SSS	E-11-3	4048 ROSEWOOD	8/27/20	AEP	83246	14278	8	RPM	317
SSS	E-11-3	3944 WOLTERS DR	8/27/20	280554	280553	26017	8	RCP	94
SSS	E-11-3	3944 WOLTERS DR	8/27/20	280552	280553	26018	8	RPM	48
SSS	E-11-3	3512 MARINER DR	8/27/20	280549	280550	26015	8	RPM	221
SSS	E-11-3	3610 MARINER DR	8/27/20	280550	280551	26016	8	PVC	364
SSS	E-11-3	3424 MARINER DR	8/27/20	280548	280549	26014	8	RPM	149
SSS	E-11-3	3714 MARINER DR	8/27/20	280551	280556	26022	8	RPM	370
SSS	E-11-3	3324 MARINER DR	8/27/20	14440	14441	8623	8	RPM	359
SSS	E-11-3	3609 OAKLYN CT	8/28/20	14460	14459	8267	8	RPM	146

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-3	3621 OAKLYN CT	8/28/20	14459	14457	8266	8	RPM	224
SSS	E-11-3	3204 OAKLYN CT	8/28/20	14458	14457	8265	8	RPM	110
SSS	E-11-3	3212 OAKLYN DR	8/28/20	14457	14456	8264	8	RPM	82
SSS	E-11-3	3220 OAKLYN DR	8/28/20	14456	14455	8263	8	RPM	176
SSS	E-11-3	3712 STANFORD DR	8/28/20	14473	14467	8271	8	RPM	71
SSS	E-11-3	3712 STANFORD	8/28/20	14446	14447	8270	8	RPM	261
SSS	E-11-3	3716 STANFORD DR	8/28/20	14467	14466	8268	8	RPM	86
SSS	E-11-3	3524 ELMRIDGE DR	8/28/20	AEP	281953	28536	8	RPM	384
SSS	E-11-3	3800 STANFORD DR	8/28/20	14466	14447	8269	8	RPM	18
SSS	E-11-3	3806 STANFORD DR	8/28/20	14447	14448	8261	8	RPM	180
SSS	E-11-3	3711 BRONSON LN	8/29/20	280560	14439	26024	8	RPM	371
SSS	E-11-3	3711 BRONSON LN	8/29/20	280561	14439	26025	8	RPM	216
SSS	E-11-3	3533 MARINER DR	8/29/20	280553	280555	25989	8	PVC	367
SSS	E-11-3	3847 BRONSON LN	8/29/20	280563	280562	26027	8	RPM	299
SSS	E-11-3	3801 BRONSON LN	8/29/20	280562	280561	26026	8	RPM	321
SSS	E-11-3	3621 BRONSON LN	8/29/20	280559	280560	26023	8	RPM	373
SSS	E-11-3	3715 MARINER DR	8/29/20	280558	280557	26021	8	RPM	67
SSS	E-11-3	3639 MARINER DR	8/29/20	280555	280558	26020	8	RPM	369
SSS	E-11-3	3212 YALE DR	8/31/20	14448	14449	8260	8	RPM	315
SSS	E-11-3	3216 YALE DR	8/31/20	14455	14449	8262	8	RPM	342
SSS	E-11-3	3308 YALE DR	8/31/20	14449	14450	8259	8	RPM	308
SSS	E-11-3	3400 YALE DR	8/31/20	14450	14451	8258	8	RPM	355
SSS	E-11-3	4300 OAKHILL RD	8/31/20	7324	7325	8646	10	RPM	208
SSS	E-11-3	4220 EASTBROOKE DR	8/31/20	7325	7322	8647	10	RPM	52
SSS	E-11-3	3613 CORNELL DR	8/31/20	280611	280610	26079	8	RPM	254
SSS	E-11-3	3313 OAKLYN CT	8/31/20	280610	280607	26078	8	RPM	142
SSS	E-11-3	2813 NICOLE DR	8/31/20	7321	7320	8649	10	RPM	553
SSS	E-11-3	2930 NICOLE DR	8/31/20	7322	7321	8648	10	RPM	551
SSS	E-11-3	3308 OAKLYN CT	8/31/20	280608	280607	26076	8	RPM	135
SSS	E-11-3	3636 ELMRIDGE	9/1/20	281953	7851	8364	8	RPM	252
SSS	E-11-3	3802 ELMRIDGE DR	9/1/20	7582	7581	8369	10	RPM	256
SSS	E-11-3	3320 OAKLYN	9/2/20	280607	280606	26075	8	RPM	288
SSS	E-11-3	333 OAKLYN	9/2/20	280606	280605	26074	8	RPM	146
SSS	E-11-3	3617 HARVARD	9/2/20	280609	280605	26077	8	RPM	257
SSS	E-11-3	3717 HARVARD CT	9/2/20	280605	280604	26073	8	RPM	315
SSS	E-11-3	4139 N IROQUOIS DR	9/2/20	281870	83243	28437	8	RPM	468

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-3	3500 YALE DR	9/2/20	280604	280602	26072	8	RPM	174
SSS	E-11-3	4249 N CONGRESS AVE	9/2/20	83245	83244	14280	8	RPM	299
SSS	E-11-3	N IROQUOIS DR	9/2/20	83246	83244	14279	8	RPM	455
SSS	E-11-3	3504 YALE DR	9/2/20	280603	280602	26071	8	RPM	269
SSS	E-11-3	3416 YALE DR	9/2/20	280602	14452	26070	8	RPM	63
SSS	E-11-3	3412 YALE DR	9/2/20	14451	14452	8257	8	RPM	65
SSS	E-11-3	4235 IROQUOIS	9/3/20	83243	83241	14274	10	RPM	131
SSS	E-11-3	4230 IROQUOIS	9/3/20	83241	83242	14275	8	RPM	44
SSS	E-11-3	4220 N IROQUOIS DR	9/3/20	83242	83244	14276	8	RPM	131
SSS	E-11-3	4219 N CONGRESS	9/3/20	83244	82723	14277	8	RPM	137
SSS	E-11-3	3323 MARINER DR	9/3/20	14441	14442	8622	8	RPM	283
SSS	E-11-3	4234 N CONGRESS	9/3/20	82722	82723	14258	8	RPM	46
SSS	E-11-3	4219 N CONGRESS	9/3/20	82723	7585	14259	8	VCP	24
SSS	E-11-3	3335 MARINER DR	9/3/20	14442	14443	8621	8	PVC	356
SSS	E-11-3	3416 YALE DR	9/4/20	14452	14453	8256	8	RPM	102
SSS	E-11-3	3412 YALE DR	9/4/20	14453	14454	8255	8	RPM	11
SSS	E-11-3	3541 BRONSON LN	9/4/20	14454	14444	8254	8	RPM	262
SSS	E-11-3	3511 BRONSON LN	9/4/20	14443	14444	8620	8	PVC	302
SSS	E-11-3	3407 OAK TERRACE	9/5/20	7581	82724	8390	8	RPM	385
SSS	E-11-3	3601 BRONSON LN	9/5/20	14444	14445	8619	8	RPM	134
SSS	E-11-3	3643 BRONSON LN	9/5/20	14445	14436	8393	8	RPM	388
SSS	E-11-3	3711 BRONSON LN	9/5/20	14436	14439	8392	8	RPM	94
SSS	E-11-3	3712 BRONSON LN	9/5/20	14439	280557	28354	8	RPM	169
SSS	E-11-3	3715 MARINER DR	9/5/20	280557	280556	8391	8	RPM	157
SSS	E-11-3	3714 MARINER DR	9/5/20	280556	14437	28355	8	RPM	71
SSS	E-11-3	3714 MARINER DR	9/5/20	14437	14438	8389	8	RPM	30
SSS	E-11-3	3407 OAK TERRACE	9/5/20	82724	14438	8080	8	PVC	153
SSS	E-11-3	3508 DEBBIE LN	9/8/20	14465	14464	22832	8	VCP	134
SSS	E-11-3	3604 DEBBIE LN	9/8/20	14464	14463	22833	8	VCP	315
SSS	E-11-3	3612 DEBBIE LN	9/8/20	14463	14462	22834	8	VCP	276
SSS	E-11-3	4011 JAZMYNE CT	9/8/20	14438	82725	8081	8	RPM	377
SSS	E-11-3	3800 DEBBIE LN	9/8/20	14462	14461	22831	8	VCP	351
SSS	E-11-3	3932 BRONSON LN	9/8/20	82725	82727	8082	8	RPM	280
SSS	E-11-3	3924 BRONSON LN	9/8/20	82727	82726	8083	8	RPM	222
SSS	E-11-3	3812 DEBBIE LN	9/8/20	14461	14493	22835	8	VCP	281
SSS	E-11-3	3316 OAK HILL RD	9/9/20	14508	14507	21962	8	RCP	269

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-3	3500 OAK HILL ROAD	9/9/20	14507	14506	21961	8	RCP	382
SSS	E-11-3	3600 OAK HILL RD	9/9/20	14506	14505	21965	8	RCP	412
SSS	E-11-3	4222 JENNY PL	9/9/20	7320	4359	15689	12	RCP	265
SSS	E-11-3	4130 JENNY PL (LYNCH RD)	9/9/20	4359	4344	14760	12	RCP	219
SSS	E-11-3	4120 JENNY PL (LYNCH RD)	9/9/20	4344	281438	15690	12	RCP	146
SSS	E-11-3	3620 OAK HILL ROAD	9/9/20	14505	14504	21960	8	RPM	357
SSS	E-11-3	4120 ELMRIDGE DR (LYNCH RD)	9/9/20	281438	4343	27117	12	RCP	16
SSS	E-11-3	2815 ELMRIDGE DR	9/9/20	4347	281438	8374	8	RPM	316
SSS	E-11-3	3800 OAK HILL ROAD	9/10/20	14504	14503	21959	8	RCP	424
SSS	E-11-3	WEST OF 4680 BERGDOLT RD	9/12/20	4462	4464	14254	8	RPM	185
SSS	E-11-3	4680 BERGDOLT RD	9/12/20	281911	4464	14309	10	RPM	412
SSS	E-11-3	4680 BERGDOLT RD	9/12/20	4464	133578	14304	10	RPM	603
SSS	E-11-3	3820 OAKHILL RD	9/14/20	14503	14496	21958	8	RCP	323
SSS	E-11-3	BEHIND LIFT STATION (WEST OF 4680 BEI	9/15/20	281821	281559	28362	10	RPM	311
SSS	E-11-3	EAST OF LIFT STATION (WEST OF 4680 BE	9/15/20	133578	281821	12576	10	RPM	362
SSS	E-11-2	2212 BREMMERTON DR	9/23/20	281410	281409	27077	8	RPM	137
SSS	E-11-2	2205 BREMMERTON DR	9/23/20	281409	281408	27078	8	RPM	122
SSS	E-11-2	2700 SHORTRIDGE CT	9/23/20	281411	281408	27085	8	RPM	260
SSS	E-11-2	2104 BREMMERTON	9/23/20	281398	281397	27063	8	RPM	245
SSS	E-11-2	2100 BREMMERTON	9/23/20	281397	281396	27064	8	RPM	81
SSS	E-11-3	4000 N IROQUOIS DR	9/24/20	281536	281559	27248	8	PVC	202
SSS	E-11-3	4000 N IROQUOIS DR	9/24/20	281537	281536	27247	8	RPM	278
SSS	E-11-2	2921 TIARA LN	9/24/20	CO	281423	27086	8	RPM	148
SSS	E-11-2	3001 TIARA LN	9/24/20	281423	281419	27087	8	PVC	121
SSS	E-11-3	WEST OF 4680 BERGDOLT RD	9/24/20	281559	AWW	27249	8	RPM	29
SSS	E-11-2	3013 TIARA LN	9/24/20	281422	281419	27088	8	RPM	245
SSS	E-11-2	2300 JEWEL CT	9/24/20	281425	281424	27090	8	RPM	244
SSS	E-11-2	2825 SILVER CREST CT	9/24/20	281428	281427	27089	8	PVC	243
SSS	E-11-2	2213 BREMMERTON DR	9/24/20	281406	281403	27081	8	RPM	392
SSS	E-11-2	2201 BREMMERTON DR	9/24/20	281407	281403	27080	8	RPM	110
SSS	E-11-2	2201 BREMMERTON DR	9/24/20	281408	281407	27079	8	RPM	63
SSS	E-11-2	2901 TIARA LN	9/25/20	281424	281426	27104	8	RPM	237
SSS	E-11-2	2825 TIARA LN	9/25/20	281427	281426	27102	8	PVC	50
SSS	E-11-2	2127 BREMMERTON DR	9/26/20	281403	281404	27082	8	RPM	122
SSS	E-11-2	2516 ELLINGTON RIDGE CT	9/26/20	281400	281394	27076	8	RPM	140
SSS	E-11-2	2123 LONGWAY CT	9/26/20	281399	281400	27075	8	RPM	385

TABLE 7-4

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-2	2217 LONGWAY CT	9/26/20	281388	281389	27062	8	RPM	122
SSS	E-11-2	2119 BREMMERTON DR	9/26/20	281404	281405	27083	8	RPM	85
SSS	E-11-2	2213 LONGWAY CT	9/26/20	281389	281399	27074	8	RPM	112
SSS	E-11-2	2804 TIARA LN	9/26/20	281233	281412	27105	8	PVC	274
SSS	E-11-2	2824 TIARA LN	9/26/20	281413	281414	27097	8	PVC	370
SSS	E-11-2	2824 TIARA LN	9/26/20	281426	281414	27103	8	PVC	157
SSS	E-11-2	2804 TIARA LN	9/26/20	281412	281413	27096	8	RPM	103
SSS	E-11-2	2612 ELLINGTON RIDGE CT	9/29/20	281396	281395	27065	8	RPM	117
SSS	E-11-2	2100 ELLINGTON RIDGE CT	9/29/20	281405	281395	27084	8	RPM	214
SSS	E-11-2	2516 ELLINGTON RIDGE CT	9/29/20	281395	281394	27066	8	RPM	303
SSS	E-11-2	2512 ELLINGTON RIDGE	9/29/20	281394	218393	27067	8	RPM	127
SSS	E-11-2	2404 ELLINGTON RIDGE CT	9/29/20	281390	281391	27069	8	RPM	237
SSS	E-11-2	3117 DEBBIE LN	9/30/20	14502	14501	8325	8	RPM	225
SSS	E-11-2	3117 DEBBIE LN	9/30/20	CO	14501	8324	8	PVC	103
SSS	E-11-2	3105 DEBBIE LN	10/1/20	CO	4172	8313	8	PVC	150
SSS	E-11-2	2413 STEFFIELD LN	10/1/20	4172	4171	8312	8	PVC	83
SSS	E-11-2	3104 RENEE DR	10/1/20	CO	4173	8310	8	PVC	83
SSS	E-11-2	3113 RENEE DR	10/1/20	4173	4399	8309	8	PVC	163
SSS	E-9-1	303 HARRISON BLVD	10/2/20	6306	6302	6892	8	VCP	385
SSS	E-11-2	2412 ELLINGTON RIDGE CT	10/2/20	281393	281392	27068	8	RPM	105
SSS	E-11-2	2411 ELLINGTON RIDGE CT	10/2/20	281391	281392	27070	8	RPM	174
SSS	E-11-2	2406 ELLINGTON RIDGE DR	10/2/20	281392	281401	27071	8	RPM	129
SSS	E-11-2	2908 TIARA LN	10/2/20	281414	281415	27098	8	RPM	285
SSS	E-11-2	3012 TIARA LN	10/3/20	281419	281418	27095	8	RPM	163
SSS	E-11-2	2220 PERFECTION CT	10/3/20	281421	281429	27093	8	RPM	392
SSS	E-11-2	2220 PERFECTION CT	10/3/20	281429	15109	27094	8	PVC	251
SSS	E-11-2	2924 TIARA LN	10/3/20	281415	281416	27099	8	RPM	239
SSS	E-11-2	2924 TIARA LN	10/3/20	281416	281417	27100	8	RPM	65
SSS	E-11-2	2220 PERFECTION CT	10/3/20	281420	281421	27092	8	PVC	283
SSS	E-11-2	3030 TIARA LN	10/3/20	281418	281420	27091	8	RPM	243
SSS	E-11-2	2220 PERFECTION CT	10/3/20	282332	15111	28906	10	RPM	213
SSS	E-11-2	2220 PERFECTION CT	10/3/20	15111	15110	7120	10	RPM	188
SSS	E-11-2	2220 PERFECTION CT	10/3/20	15110	15109	7119	10	RPM	364
SSS	E-11-2	3012 TIARA LN	10/3/20	281417	281418	27101	8	PVC	132
SSS	E-11-2	3301 MAXX RD	10/3/20	15109	15112	7121	10	RPM	82
SSS	E-11-2	4201 YOKEL RD	10/5/20	284624	9503	22257	10	RPM	209

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-2	4201 YOKEL RD	10/5/20	9509	284624	31511	10	RPM	69
SSS	E-11-2	4249 YOKEL RD	10/5/20	9503	280696	22253	10	RPM	343
SSS	E-11-2	3001 MAXX RD	10/5/20	15114	14319	7124	8	RPM	224
SSS	E-11-2	3001 MAXX RD	10/5/20	15112	15113	7123	10	RPM	271
SSS	E-11-2	3001 MAXX RD	10/5/20	15113	14318	7122	10	RPM	343
SSS	E-11-2	1510 YOKEL RD	10/5/20	280696	9504	22254	10	RPM	386
SSS	E-11-2	3001 MAXX RD	10/5/20	14318	14320	7117	10	RPM	40
SSS	E-11-2	3001 MAXX RD	10/5/20	14319	14318	7118	10	RPM	38
SSS	E-11-2	3001 MAXX RD	10/5/20	AEP	14319	5334	10	RPM	11
SSS	E-11-2	1421 YOKEL RD	10/5/20	9504	AWW	22255	10	RPM	397
SSS	E-11-2	3001 MAXX RD	10/5/20	15115	15114	7125	8	RPM	309
SSS	E-11-2	3305 RENEE DR	10/5/20	14486	14487	8321	8	PVC	206
SSS	E-11-2	3311 RENEE DR	10/5/20	CO	14487	8320	8	RPM	122
SSS	E-11-2	2606 GREATWAY CT	10/6/20	4391	4390	8287	8	RPM	192
SSS	E-11-2	3412 DEBBIE LN	10/6/20	4390	4389	8288	8	PVC	179
SSS	E-11-2	3216 OAK HILL RD	10/6/20	CO	14488	11281	8	PVC	78
SSS	E-11-2	3216 OAK HILL RD	10/6/20	CO	14488	11282	8	RPM	31
SSS	E-11-2	2606 MAROTT CT	10/6/20	14488	4383	11280	8	PVC	248
SSS	E-11-2	3300 DEBBIE LN	10/6/20	4383	4385	8293	8	RPM	53
SSS	E-11-2	3212 DEBBIE LN	10/6/20	4385	4384	8292	8	PVC	137
SSS	E-11-2	3212 DEBBIE LN	10/6/20	AEP	4384	8291	8	RPM	77
SSS	E-11-2	2607 GREATWAY CT	10/7/20	CO	4392	8297	8	PVC	157
SSS	E-11-2	2601 GREATWAY CT	10/7/20	4392	4393	8296	8	PVC	51
SSS	E-11-2	3404 DEBBIE LN	10/7/20	4393	4387	8295	8	PVC	127
SSS	E-11-2	3400 DEBBIE LN	10/7/20	4384	4387	8290	8	RPM	373
SSS	E-11-2	3404 DEBBIE LN	10/7/20	4389	4388	8294	8	RPM	144
SSS	E-11-2	3404 DEBBIE LN	10/7/20	4387	4388	8289	8	PVC	45
SSS	E-11-2	3404 RENEE DR	10/7/20	4388	4386	8299	8	PVC	281
SSS	E-9-9	6609 E CHESNUT ST	10/8/20	AEP	5847	24339	8	VCP	297
SSS	E-11-2	3200 DEBBIE LN	10/8/20	14501	14500	8323	8	PVC	175
SSS	E-11-2	3200 DEBBIE LN	10/8/20	CO	14500	8322	8	RPM	83
SSS	E-11-2	3116 DEBBIE LN	10/8/20	14500	4394	8328	8	RPM	43
SSS	E-11-2	3112 DEBBIE LN	10/8/20	AEP	4394	8326	8	RPM	88
SSS	E-11-2	2412 STEFFIELD LN	10/8/20	4171	4170	8300	8	PVC	154
SSS	E-11-2	3104 DEBBIE LN	10/8/20	4170	4398	8311	8	PVC	58
SSS	E-11-2	3117 RENEE DR	10/9/20	4398	4399	8308	8	PVC	95

TABLE 7-4

8" to 15" Diameter Pipe Cleaning

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-2	3114 RENEE DR	10/9/20	4399	4174	8307	8	PVC	148
SSS	E-11-2	3128 RENEE DR	10/9/20	4394	4395	8327	8	PVC	304
SSS	E-11-2	3101 MANHATTAN BLVD	10/9/20	4174	4395	8306	8	RPM	212
SSS	E-11-2	3101 MANHATTAN BLVD	10/9/20	4395	4396	8301	8	RPM	238
SSS	E-11-2	3101 MANHATTAN BLVD	10/9/20	4396	14485	8317	8	RPM	187
SSS	E-11-2	3304 RENEE DR	10/9/20	14487	14485	8319	8	RPM	160
SSS	E-11-2	LYNCH RD	10/10/20	7319	7318	15687	12	RCP	267
SSS	E-11-2	2800 LYNCH RD	10/10/20	4343	7319	15688	12	RCP	122
SSS	E-11-2	LYNCH RD	10/10/20	7318	14491	16652	12	RCP	400
SSS	E-11-2	2400 ELLINGTON RIDGE DR	10/10/20	281401	281402	27072	8	RPM	190
SSS	E-11-2	WEST OF 2825 MAXX RD	10/10/20	281402	6999	27073	8	RPM	305
SSS	E-11-2	LYNCH RD	10/10/20	14320	14317	7127	10	VCP	344
SSS	E-11-2	LYNCH RD	10/10/20	14317	14316	7126	10	VCP	351
SSS	E-11-2	3101 MANHATTAN BLVD	10/12/20	14485	4397	8318	8	RPM	67
SSS	E-11-2	3101 MANHATTAN BLVD	10/12/20	4397	4386	8303	8	RPM	230
SSS	E-11-2	3101 MANHATTAN BLVD	10/12/20	4386	4403	8302	8	PVC	137
SSS	E-11-2	2501 AMERICAN WAY	10/14/20	4403	4402	8298	8	RPM	402
SSS	E-11-2	3509 AMERICAN WAY	10/14/20	4402	4401	8304	8	RPM	329
SSS	E-11-2	2715 AMERICAN WAY	10/14/20	4401	4400	8305	8	RPM	281
SSS	E-11-2	3509 AMERICAN WAY	10/14/20	4400	14490	8651	8	RPM	396
SSS	E-11-3	4000 N IROQUOIS DR	10/21/20	82726	281537	27246	8	RPM	342
SSS	E-11-2	1502 LYNCH RD	10/23/20	AEP	284431	31159	8	PVC	3
SSS	E-11-5	2301 ST GEORGE	10/23/20	284611	7487	31474	12	VCP	15
SSS	W-13-3	4200 UPPER MOUNT VERNON RD (REAR)	10/26/20	282924	11555	15602	12	VCP	329
SSS	E-10-1	3805 E NEGLEY AVE	11/5/20	5749	5747	24074	8	VCP	401
SSS	W-13-3	1104 N BOSSE AVE	11/11/20	11446	11444	23794	8	VCP	269
SSS	E-9-9	401 PLAZA DR	11/14/20	7239	284304	22106	8	VCP	398
SSS	E-9-8	709 S BURKHARDT RD	11/14/20	5870	5871	23388	8	VCP	312
SSS	E-9-11	7215 E CHANDLER	11/23/20	7093	7092	23515	8	VCP	344
SSS	E-9-9	6609 E WALNUT ST	12/3/20	CO	5849	24340	8	VCP	214
CSS Total Cleaned (ft)									0
SSS Total Cleaned (ft)									120677
Total 8" to 15" Diameter Pipes Cleaned (ft)									120677

* Total includes 14535 ft of SSS cleanings that were not submitted on previous SAR

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-9-2	1031 CARRIAGE DR	1/7/20	AEP	6178	26975	8	VCP	54
SSS	E-9-9	6817 LINCOLN AVE	3/16/20	7229	ATC	5340	8	VCP	22
SSS	E-9-8	708 SOUTHFIELD RD	3/27/20	284554	5425	31384	8	RPM	159
SSS	E-11-2	4209 N HWY 41	5/28/20	AEP	284431	31159	8	PVC	3
SSS	E-9-1	13 S KENMORE DR	6/12/20	AEP	6327	31404	8	PVC	36
SSS	E-11-5	6024 WARD RD	6/24/20	11065	11064	15698	12	RCP	309
SSS	E-11-5	5812 WARD RD	6/29/20	7519	7517	22494	12	VCP	148
SSS	E-11-5	2333 ST GEORGE RD	6/29/20	282604	7489	29162	8	RPM	161
SSS	E-11-5	5401 WARD RD	6/29/20	282605	282604	29161	8	RPM	22
SSS	E-11-5	5401 WARD RD	6/29/20	282609	282605	29160	8	RPM	402
SSS	E-11-5	5401 WARD RD	6/29/20	282606	282609	29163	8	RPM	55
SSS	E-11-5	2415 SWINGING WAY CT	7/1/20	12560	12561	8114	8	RPM	109
SSS	E-9-12	7501 OLIVE ST	7/1/20	14123	14124	7268	8	RPM	227
SSS	E-11-5	5720 OHARA DR	7/1/20	7513	7514	22643	8	VCP	131
SSS	E-11-6	3942 ASPEN DR	7/1/20	AEP	7542	8606	8	RPM	305
SSS	E-11-6	4436 EMMA DR	7/2/20	83237	15156	14271	8	RPM	161
SSS	E-11-4	2700 BERGDOLT RD	7/6/20	7385	7384	14421	15	VCP	367
SSS	E-11-4	2700 BERGDOLT RD	7/6/20	7386	7385	14989	15	VCP	376
SSS	E-11-4	4703 BERGDOLT DR	7/6/20	7383	7381	15361	15	VCP	293
SSS	E-11-4	2700 BERGDOLT RD	7/6/20	7384	281437	15362	15	VCP	367
SSS	E-11-4	4703 BERGDOLT RD	7/6/20	281437	7383	27116	15	VCP	73
SSS	E-11-5	2200 DUSSELDORF DR	7/6/20	83063	83060	8091	8	VCP	315
SSS	E-11-5	2250 VENETIAN RD	7/6/20	11072	11073	8096	8	VCP	303
SSS	E-11-4	4700 BERGDOLT RD	7/7/20	15099	281436	14419	15	VCP	62
SSS	E-11-4	4703 BERGDOLT RD	7/7/20	7381	7380	14990	15	VCP	364
SSS	E-11-4	4703 BERGDOLT DR	7/7/20	7380	15099	14991	15	VCP	148
SSS	E-11-6	3200 ASPEN DR	7/7/20	281818	7368	8365	8	VCP	299
SSS	E-11-5	5301 CUNNINGHAM DR	7/7/20	7439	7447	8448	10	VCP	333
SSS	E-11-5	5301 CUNNINGHAM RD	7/7/20	7436	7439	8447	10	VCP	320
SSS	E-11-6	4413 N IROQUOIS DR	7/7/20	284294	284295	30969	8	RCP	157
SSS	E-11-5	5109 CUNNINGHAM DR	7/7/20	7425	7436	8445	10	VCP	308
SSS	E-11-6	3911 ASPEN DR	7/8/20	7353	7354	8605	8	RPM	293
SSS	E-11-6	3911 ASPEN DR	7/8/20	7352	7353	8604	8	RPM	203
SSS	E-11-6	3881 ASPEN DR	7/8/20	CO	7352	8603	8	RPM	193
SSS	E-11-4	4720 BERGDOLT RD	7/9/20	15103	15102	14993	15	VCP	227
SSS	E-11-4	2130 BERGDOLT RD	7/9/20	15104	15103	14994	15	VCP	366

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-4	4700 BERGDOLT RD	7/9/20	15105	15104	14995	15	VCP	366
SSS	E-11-4	4703 BERGDOLT RD	7/9/20	281436	15105	27115	15	VCP	216
SSS	E-11-4	4925 HITCH PETERS RD	7/10/20	7477	7476	23714	15	VCP	394
SSS	E-11-4	5001 HITCH PETERS RD	7/10/20	7478	7477	23715	15	VCP	375
SSS	E-11-4	2007 HITCH PETERS RD	7/10/20	7479	7478	23716	15	VCP	386
SSS	E-11-4	2007 HITCH PETERS RD	7/10/20	7480	7479	23717	15	VCP	384
SSS	E-11-3	3001 LYNCH RD	7/11/20	14495	14494	21963	10	RPM	258
SSS	E-11-3	3820 LYNCH RD	7/11/20	14496	14495	21964	10	RPM	319
SSS	E-11-3	2715 LYNCH RD	7/11/20	14493	14492	21966	10	VCP	336
SSS	E-11-3	2955 LYNCH RD	7/11/20	14494	14493	23131	10	RPM	325
SSS	E-11-3	2715 LYNCH RD	7/11/20	14492	14497	23132	10	VCP	18
SSS	E-11-5	5017 CUNNINGHAM DR	7/11/20	7424	7425	8446	10	VCP	358
SSS	E-11-5	2509 VISTA VIEW DR	7/11/20	281443	7424	27125	8	VCP	280
SSS	E-11-5	2520 VISTA VIEW	7/13/20	281444	281443	27126	8	VCP	124
SSS	E-11-5	2609 VISTA VIEW DR	7/13/20	7422	281443	27127	8	VCP	355
SSS	E-11-5	5100 ELMHURST DR	7/14/20	7427	7435	8450	10	VCP	351
SSS	E-11-5	5200 ELMHURST DR	7/14/20	7435	7441	8432	10	VCP	352
SSS	E-11-5	2700 MELROSE RD	7/14/20	7430	7427	8452	10	VCP	144
SSS	E-11-5	2700 MELROSE RD	7/14/20	7423	7427	27129	8	VCP	189
SSS	E-11-5	5100 ELMHURST DR	7/14/20	7426	7427	8459	10	VCP	319
SSS	E-11-1	2205 OAK HILL RD	7/15/20	6995	6994	15478	12	RCP	409
SSS	E-11-1	2825 OAK HILL RD	7/15/20	6994	10470	15480	12	RCP	356
SSS	E-11-5	5100 MEMORY LN	7/16/20	7433	7430	8453	8	VCP	270
SSS	E-11-5	5119 WINDING WAY	7/16/20	281914	7426	8449	8	VCP	275
SSS	E-11-5	2601 MELROSE RD	7/16/20	CO	7426	28497	8	VCP	42
SSS	E-11-2	GARRISON AVE & LYNCH RD	7/17/20	9520	9506	15492	12	VCP	48
SSS	E-11-2	1618 GARRISON AVE	7/17/20	9505	9520	15493	8	VCP	235
SSS	E-11-2	1700 LYNCH RD	7/17/20	280688	9507	26173	12	VCP	179
SSS	E-11-2	1618 LYNCH RD	7/17/20	9506	280687	26174	12	RCP	113
SSS	E-11-2	1618 LYNCH RD	7/17/20	280687	280688	26175	12	RCP	36
SSS	E-11-6	3700 ASPEN DR	7/18/20	7556	7358	8610	8	RPM	298
SSS	E-11-2	1800 LYNCH RD	7/20/20	7371	7372	22139	12	RCP	356
SSS	E-11-2	LYNCH RD & CAREER AVE	7/20/20	9507	7371	22142	12	RCP	343
SSS	E-11-5	5716 TWICKINGHAM DR	7/20/20	7510	7509	22500	8	VCP	56
SSS	E-11-5	2244 SWINGING WAY	7/21/20	7567	7566	22632	8	VCP	87
SSS	E-11-5	2232 SWINGING WAY	7/21/20	7566	7565	22631	8	VCP	98

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-5	5100 MEMORY LN	7/21/20	7431	7430	8458	10	VCP	282
SSS	E-11-5	5217 ELMHURST DR	7/21/20	7527	7443	8457	10	VCP	139
SSS	E-11-5	5614 TWICKINGHAM DR	7/21/20	7504	7503	22629	8	VCP	169
SSS	E-11-5	5217 ELMHURST DR	7/21/20	7434	7527	8454	8	VCP	278
SSS	E-11-2	1901 VENTURE DR	7/22/20	100034	7534	25998	8	RPM	317
SSS	E-11-5	5217 MEMORY LN	7/22/20	7525	280756	8456	8	VCP	202
SSS	E-11-6	4405 MAYFLOWER DR	7/22/20	15154	15155	14311	10	RPM	327
SSS	E-11-6	4436 EMMA DR	7/22/20	15155	15156	14310	10	RPM	79
SSS	E-11-6	4426 EMMA DR	7/22/20	15156	15157	14306	10	RPM	376
SSS	E-11-5	5217 MEMORY LN	7/22/20	280756	7526	28523	8	VCP	126
SSS	E-11-5	5307 MEMORY LN	7/22/20	7526	7452	8430	8	VCP	337
SSS	E-11-4	HITCH PETERS RD & BERGDOLT RD	7/23/20	15101	15100	14420	15	VCP	335
SSS	E-11-2	3301 LYNCH RD	7/23/20	7312	7311	16646	15	RCP	423
SSS	E-11-2	1900 LYNCH RD	7/23/20	7311	7373	16647	15	RCP	422
SSS	E-11-2	1800 LYNCH RD	7/23/20	7372	7313	22140	12	RCP	371
SSS	E-11-2	4004 LYNCH RD	7/23/20	7313	7310	22143	12	RCP	203
SSS	E-11-4	HITCH PETERS RD & ST GEORGE RD	7/23/20	38121	281446	23718	15	VCP	116
SSS	E-11-5	2226 SWINGING WAY	7/24/20	7565	7504	22630	8	VCP	250
SSS	E-11-1	2825 OAK HILL RD	7/27/20	10470	64254	15481	12	RPM	37
SSS	E-11-2	1901 MAXX RD	7/27/20	100033	100034	26019	8	RPM	353
SSS	E-11-5	5700 TWICKINGHAM DR	7/27/20	7507	7503	22633	8	VCP	127
SSS	E-11-2	3301 LYNCH RD	7/28/20	7314	7312	16645	15	RCP	431
SSS	E-11-5	5700 TWICKINGHAM DR	7/28/20	7508	7507	22497	8	VCP	62
SSS	E-11-5	5405 CUNNINGHAM DR	7/28/20	7447	7448	8658	8	VCP	305
SSS	E-11-5	5700 TWICKINGHAM DR	7/28/20	7506	7507	22498	8	VCP	116
SSS	E-11-2	3301 LYNCH RD	7/29/20	7317	7316	16641	15	RCP	408
SSS	E-11-2	3301 LYNCH RD	7/29/20	7316	7315	16642	15	RCP	407
SSS	E-11-2	3301 LYNCH RD	7/29/20	7315	7314	16643	15	RCP	409
SSS	E-11-2	3301 LYNCH RD	7/29/20	14499	7317	16644	15	RCP	156
SSS	E-11-5	5800 TWICKINGHAM CT	7/29/20	7511	7510	22647	8	VCP	201
SSS	E-11-5	5716 TWICKINGHAM DR	7/29/20	7509	7508	22499	8	VCP	172
SSS	E-11-5	5401 ELMHURST DR	7/29/20	7444	7450	8656	8	VCP	302
SSS	E-11-4	2906 ASHWOOD AVE	7/29/20	7410	7411	23034	8	VCP	217
SSS	E-11-5	5401 ELMHURST DR	7/29/20	7441	7444	8433	8	VCP	303
SSS	E-11-4	2800 ASHWOOD AVE	7/29/20	CO	7410	23035	8	VCP	32
SSS	E-11-4	2906 ASHWOOD AVE	7/29/20	7412	7411	8437	8	VCP	215

TABLE 7-5

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-2	LYNCH RD & AMERICAN WAY	7/30/20	14490	14489	16648	15	RCP	163
SSS	E-11-2	2401 LYNCH RD	7/30/20	14498	281434	16650	15	RCP	186
SSS	E-11-2	2401 LYNCH RD	7/30/20	14489	14498	16651	15	RCP	229
SSS	E-11-2	2401 LYNCH RD	7/30/20	281434	14499	27113	15	RCP	245
SSS	E-11-4	2924 ASHWOOD AVE	7/30/20	7414	7412	8438	8	VCP	293
SSS	E-11-4	3024 ASHWOOD AVE	7/30/20	CO	7414	8439	8	VCP	108
SSS	E-11-4	2906 ASHWOOD AVE	7/30/20	7411	7407	23031	8	VCP	189
SSS	E-11-4	2901 ASHWOOD AVE	7/30/20	7407	7406	22849	8	VCP	144
SSS	E-11-4	2902 RIDGEWOOD DR	7/30/20	7406	169153	22847	8	VCP	173
SSS	E-11-2	LYNCH RD & AMERICAN WAY	7/31/20	281435	14490	27114	15	RCP	217
SSS	E-11-5	5606 TWICKINGHAM DR	7/31/20	7503	7502	22628	8	VCP	201
SSS	E-11-5	5520 TWICKINGHAM DR	7/31/20	7502	7485	22636	8	VCP	351
SSS	E-11-4	4617 GRACE CT	8/1/20	7398	7396	8372	8	VCP	216
SSS	E-11-4	4517 GRACE CT	8/1/20	AEP	7398	30876	8	VCP	6
SSS	E-11-4	4617 GRACE CT	8/1/20	7396	14431	8689	8	VCP	189
SSS	E-11-4	4617 GRACE CT	8/1/20	7397	7396	8371	8	VCP	100
SSS	E-11-4	3301 BERGDOLT RD	8/1/20	14431	14429	24350	8	VCP	220
SSS	E-11-4	3250 BERGDOLT RD	8/1/20	14430	14429	8691	8	RPM	40
SSS	E-11-4	4615 OAK HILL RD	8/1/20	14429	14428	8694	8	VCP	165
SSS	E-11-6	4339 N IROQUOIS DR	8/4/20	284295	284287	30970	8	RPM	363
SSS	E-11-5	5405 WINDING WAY	8/4/20	7445	7446	8436	10	VCP	104
SSS	E-11-4	4622 OAK HILL RD	8/4/20	7393	7395	14735	8	VCP	53
SSS	E-11-4	4622 OAK HILL RD	8/4/20	7401	7394	20669	8	VCP	564
SSS	E-11-4	4813 TANGLEWOOD DR	8/5/20	7563	169153	23036	8	VCP	250
SSS	E-11-4	4813 TANGLEWOOD DR	8/5/20	169153	7405	22851	8	VCP	100
SSS	E-11-4	4809 TANGLEWOOD DR	8/5/20	7405	83341	22850	8	VCP	218
SSS	E-11-4	4906 TANGLEWOOD DR	8/5/20	CO	7409	23033	8	VCP	101
SSS	E-11-5	5217 WINDING WAY	8/6/20	7438	7445	8435	10	VCP	393
SSS	E-11-5	5409 WINDING WAY	8/6/20	7446	7449	8657	8	VCP	162
SSS	E-11-5	5701 TWICKINGHAM DR	8/6/20	83068	7506	22502	8	VCP	184
SSS	E-11-4	4906 TANGLEWOOD DR	8/6/20	7409	7407	23032	8	VCP	285
SSS	E-11-5	5800 OHARA DR	8/6/20	281803	7513	28340	8	VCP	172
SSS	E-11-5	2240 RIDGECREST DR	8/6/20	AEP	281803	28339	8	VCP	217
SSS	E-11-4	3250 BERGDOLT RD	8/8/20	CO	14430	8690	8	RPM	120
SSS	E-11-4	4809 TANGLEWOOD DR	8/8/20	7404	7405	22848	8	VCP	317
SSS	E-11-5	5119 WINDING WAY	8/8/20	7437	281914	28493	8	VCP	267

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-4	2902 RIDGEWOOD DR	8/10/20	7416	7407	22845	8	VCP	292
SSS	E-11-4	3012 RIDGEWOOD DR	8/10/20	7402	7416	22846	8	VCP	168
SSS	E-11-5	5911 TWICKINGHAM DR	8/10/20	11084	11085	8106	12	RCP	173
SSS	E-11-5	2211 HERITAGE DR	8/10/20	11085	11086	8090	12	RCP	282
SSS	E-11-4	2840 BERGDOLT RD	8/12/20	281183	7386	22852	8	VCP	222
SSS	E-11-4	2840 BERGDOLT RD	8/12/20	83341	281183	26848	8	VCP	223
SSS	E-11-5	2262 DUSSELDORF DR	8/12/20	11068	11067	8832	10	VCP	328
SSS	E-11-5	2262 DUSSELDORF DR	8/12/20	83064	11068	8830	10	VCP	175
SSS	E-11-4	2924 BERGDOLT RD	8/12/20	7395	7391	14737	8	VCP	325
SSS	E-11-5	5901 OHARA DR	8/13/20	7515	7520	22649	8	VCP	190
SSS	E-9-1	226 S CONGRESS AVE	8/14/20	6337	6336	6741	8	VCP	313
SSS	E-11-1	2121 OAK HILL RD	8/14/20	6996	6995	15477	12	VCP	163
SSS	E-11-4	2812 LONGACRE DR	8/15/20	7331	281808	28347	8	VCP	80
SSS	E-11-4	2804 LONGACRE DR	8/15/20	7330	7331	21970	8	VCP	261
SSS	E-11-4	2809 EASTBROOKE DR	8/15/20	7329	7330	21969	8	VCP	62
SSS	E-11-4	4316 CLOVER DR	8/15/20	AEP	7326	28970	8	VCP	138
SSS	E-11-4	3014 LONGACRE DR	8/15/20	7529	7332	22492	8	VCP	390
SSS	E-11-4	2924 BERGDOLT RD	8/17/20	7391	83341	14736	8	VCP	307
SSS	E-11-4	4316 CLOVER DR	8/17/20	7326	7327	21967	10	VCP	90
SSS	E-11-4	3014 EASTBROOKE DR	8/17/20	7327	7328	22486	10	VCP	389
SSS	E-11-4	2812 LONGACRE DR	8/17/20	281808	7332	21971	8	VCP	139
SSS	E-11-5	6201 TWICKINGHAM DR	8/17/20	11077	11078	8093	8	VCP	299
SSS	E-11-4	2908 EASTBROOKE DR	8/17/20	7328	7332	21968	10	VCP	348
SSS	E-11-4	2908 LONGACRE DR	8/17/20	7332	82715	22487	10	VCP	127
SSS	E-11-5	6113 TWICKINGHAM DR	8/17/20	83060	11077	8102	8	VCP	294
SSS	E-11-1	2305 GLENN AVE	8/18/20	7002	7001	15473	12	RCP	188
SSS	E-11-1	2231 GLENN AVE	8/18/20	7001	7000	15474	12	RCP	159
SSS	E-11-1	2217 OAK HILL RD	8/18/20	7000	6997	15475	12	RCP	331
SSS	E-11-1	2217 OAK HILL RD	8/18/20	6997	6996	15476	12	RCP	399
SSS	E-9-9	508 GREENFIELD RD	8/18/20	CO	7254	24341	8	VCP	180
SSS	E-11-4	4510 OHARA DR	8/18/20	CO	15108	8585	8	RPM	129
SSS	E-11-4	4520 OHARA DR	8/18/20	15108	15107	8584	8	RPM	292
SSS	E-11-4	4600 OHARA DR	8/18/20	15106	281436	8480	8	RPM	285
SSS	E-11-5	6223 TWICKINGHAM DR	8/18/20	11078	11087	8103	8	VCP	139
SSS	E-11-5	6205 OHARA DR	8/18/20	11081	11080	22562	8	VCP	236
SSS	E-11-5	6209 OHARA DR	8/18/20	11079	11078	22291	8	VCP	409

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-5	6208 OHARA DR	8/18/20	11080	11079	22561	8	VCP	373
SSS	E-11-5	2209 VENETIAN DR	8/18/20	11073	11077	8097	8	VCP	376
SSS	E-11-5	6233 TWICKINGHAM DR	8/18/20	284600	AWW	8104	8	PVC	7
SSS	E-11-5	2201 DUSSELDORF DR	8/19/20	83061	83060	8092	8	VCP	178
SSS	E-11-5	6009 TWICKINGHAM DR	8/19/20	83062	83061	8101	8	VCP	90
SSS	E-11-5	5914 TWICKINGHAM DR	8/19/20	11083	11084	8095	8	VCP	86
SSS	E-11-5	5914 TWICKINGHAM DR	8/19/20	7568	11083	8094	8	VCP	149
SSS	E-11-5	5717 TWICKINGHAM DR	8/19/20	83067	83068	22501	8	VCP	167
SSS	E-11-4	4808 CLOVER DR	8/19/20	7403	7404	22844	8	VCP	147
SSS	E-11-5	5900 TWICKINGHAM DR	8/19/20	280755	11083	26245	8	VCP	288
SSS	E-11-4	4851 ELMHURST DR	8/20/20	CO	7420	8443	8	VCP	123
SSS	E-11-4	4851 ELMHURST DR	8/20/20	7420	7419	8455	8	VCP	334
SSS	E-11-5	2007 ST GEORGE RD	8/21/20	7482	38121	15697	12	VCP	360
SSS	E-11-5	2007 ST GEORGE RD	8/21/20	7483	7482	15691	12	VCP	343
SSS	E-11-5	2007 ST GEORGE RD	8/21/20	7484	7483	15692	12	VCP	349
SSS	E-11-4	4900 CUNNINGHAM DR	8/21/20	7528	7418	8441	8	VCP	221
SSS	E-11-4	4703 OHARA DR	8/21/20	7417	7383	11067	10	VCP	403
SSS	E-11-5	5606 WALSH RD	8/22/20	7500	7499	22627	8	VCP	158
SSS	E-11-5	5520 WALSH RD	8/22/20	7499	7498	22634	8	VCP	102
SSS	E-11-4	4501 CLOVER DR	8/24/20	7335	7334	22489	8	VCP	328
SSS	E-11-4	3015 BLOSSOM LN	8/24/20	7334	7333	22490	10	VCP	354
SSS	E-11-5	6024 WARD RD	8/24/20	11067	11065	8836	8	VCP	135
SSS	E-11-4	2909 BLOSSOM LN	8/24/20	7333	281912	22491	8	VCP	383
SSS	E-11-5	6045 WARD RD	8/24/20	11066	11065	8675	8	RPM	56
SSS	E-11-5	6107 WARD RD	8/24/20	AEP	11066	8676	8	RPM	190
SSS	E-11-5	5812 TWICKINGHAM CT.	8/25/20	282737	7568	8087	8	VCP	141
SSS	E-11-5	6017 HAMILTON DR	8/25/20	11086	83064	12575	10	VCP	259
SSS	E-11-5	5714 OHARA DR	8/25/20	7514	7496	22644	8	VCP	126
SSS	E-11-5	5715 OHARA DR	8/25/20	7497	7496	22637	12	VCP	202
SSS	E-11-4	2801 BLOSSOM LN	8/25/20	281912	AWW	28489	12	VCP	20
SSS	E-11-5	5706 OHARA DR	8/25/20	7496	7495	22638	12	VCP	245
SSS	E-11-5	5614 OHARA DR	8/25/20	7495	7494	22639	12	VCP	128
SSS	E-11-4	2801 BLOSSOM LN	8/25/20	7388	281912	8637	8	VCP	331
SSS	E-11-5	5606 OHARA DR	8/25/20	7494	37294	22640	12	VCP	207
SSS	E-11-5	5506 OHARA DR	8/25/20	37294	7487	22641	12	VCP	309
SSS	E-11-4	4600 CLOVER DR	8/25/20	7392	7389	8366	8	VCP	476

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-5	2235 RIDGECREST DR	8/25/20	7512	7513	22642	8	VCP	322
SSS	E-11-4	2900 BLOSSOM LN	8/25/20	7389	7388	8596	8	VCP	312
SSS	E-11-4	2601 ASHWOOD AVE	8/26/20	7419	7418	8442	8	VCP	352
SSS	E-11-4	4900 CUNNINGHAM DR	8/26/20	7418	7417	8482	10	VCP	375
SSS	E-11-5	5817 OHARA DR	8/26/20	AEP	7515	28338	8	VCP	88
SSS	E-11-4	4501 CLOVER DR	8/26/20	82718	7335	8079	10	VCP	330
SSS	E-11-5	5817 OHARA DR	8/26/20	CO	7515	22646	8	VCP	123
SSS	E-11-4	2908 LONGACRE DR	8/26/20	82715	7333	21973	10	VCP	161
SSS	E-11-4	4720 BERGDOLT RD	8/27/20	15102	284610	14992	15	VCP	143
SSS	E-11-2	2715 LYNCH RD	8/27/20	14491	281435	16649	15	RCP	177
SSS	E-11-3	2715 LYNCH RD	8/27/20	14497	14491	22836	15	VCP	37
SSS	E-11-4	2007 HITCH PETERS RD	8/27/20	281446	7480	27130	15	VCP	250
SSS	E-11-4	4720 BERGDOLT RD	8/27/20	284610	15101	31473	15	VCP	359
SSS	E-11-5	5812 WARD RD	8/27/20	11064	7519	22495	12	VCP	350
SSS	E-11-5	2601 ST. GEORGE RD	8/28/20	7450	7449	8660	10	VCP	277
SSS	E-11-5	2501 ST. GEORGE RD	8/28/20	7449	7448	8661	10	VCP	373
SSS	E-11-5	2333 ST. GEORGE RD	8/28/20	7448	7489	15766	12	VCP	399
SSS	E-11-4	4615 OAK HILL RD	8/28/20	14428	7393	8693	8	VCP	299
SSS	E-11-5	2701 ST GEORGE RD	8/31/20	7451	7450	8659	10	VCP	144
SSS	E-11-5	2301 ST GEORGE RD	8/31/20	7489	7488	8483	10	VCP	198
SSS	E-11-3	3224 ELMRIDGE DR	9/1/20	7343	7342	8614	8	RPM	243
SSS	E-11-3	3224 ELMRIDGE DR	9/1/20	7342	7339	8612	8	RPM	170
SSS	E-11-3	3222 ELMRIDGE DR	9/1/20	7339	7338	8613	8	RPM	304
SSS	E-11-3	3311 OAK TERRACE	9/1/20	7341	7340	8616	8	RPM	376
SSS	E-11-3	4300 OAK HILL RD	9/2/20	7324	7325	8646	10	RPM	208
SSS	E-11-3	4300 OAK HILL RD	9/2/20	7325	7322	8647	10	RPM	52
SSS	E-11-3	4241 CLOVER DR	9/2/20	7323	7322	8594	8	RPM	427
SSS	E-11-3	4241 CLOVER DR	9/2/20	7322	7321	8648	10	RPM	551
SSS	E-11-3	4201 CLOVER DR	9/2/20	4358	4357	8373	8	RPM	250
SSS	E-11-3	3011 NICOLE DR	9/2/20	4357	4356	8388	8	RPM	314
SSS	E-11-3	2909 NICOLE DR	9/2/20	4356	4355	8387	8	RPM	252
SSS	E-11-3	4201 CLOVER DR	9/2/20	4352	4358	8586	8	RPM	360
SSS	E-11-3	3121 ELMRIDGE DR	9/3/20	CO	4353	8383	8	RPM	81
SSS	E-11-3	3121 ELMRIDGE DR	9/3/20	4353	4352	8382	8	RPM	139
SSS	E-11-3	3033 ELMRIDGE DR	9/3/20	CO	4351	12151	8	RPM	62
SSS	E-11-3	3033 ELMRIDGE DR	9/3/20	CO	4351	12152	8	RPM	136

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-3	3033 ELMRIDGE DR	9/3/20	4351	4350	12150	8	RPM	87
SSS	E-11-3	3023 ELMRIDGE DR	9/3/20	4350	4349	8376	8	RPM	76
SSS	E-11-3	3023 ELMRIDGE DR	9/3/20	281439	4349	27118	8	RPM	360
SSS	E-11-3	2945 ELMRIDGE DR	9/3/20	CO	4349	8587	8	RPM	112
SSS	E-11-3	2945 ELMRIDGE DR	9/3/20	4349	4347	8375	8	RPM	347
SSS	E-11-3	2835 ELMRIDGE DR	9/3/20	4347	281438	8374	8	RPM	316
SSS	E-11-3	2934 ELMRIDGE DR	9/3/20	CO	4348	8381	8	RPM	132
SSS	E-11-3	2934 ELMRIDGE DR	9/3/20	4348	4346	8380	8	RPM	286
SSS	E-11-3	2824 ELMRIDGE DR	9/3/20	4346	4345	8379	8	RPM	71
SSS	E-11-3	4130 JENNY PL	9/3/20	4345	4344	8377	8	RPM	130
SSS	E-11-3	2827 NICOLE DR	9/4/20	CO	4354	8385	8	RPM	58
SSS	E-11-3	2827 NICOLE DR	9/4/20	4355	4354	8386	8	RPM	41
SSS	E-11-3	2827 NICOLE DR	9/4/20	4354	4359	8384	8	RPM	169
SSS	E-11-3	4130 JENNY PL	9/4/20	CO	4345	8378	8	RPM	71
SSS	E-11-4	4501 CLOVER DR	9/4/20	7336	7335	22488	8	VCP	513
SSS	E-11-5	5511 CUNNINGHAM CT	9/4/20	12564	7448	8663	8	RPM	260
SSS	E-11-3	3722 ELMRIDGE DR	9/4/20	281953	7581	8364	8	RPM	252
SSS	E-11-3	3311 OAK TERRACE	9/5/20	7340	7342	8615	8	RPM	184
SSS	E-11-3	3410 ELMRIDGE DR	9/5/20	7344	7342	8611	8	RPM	426
SSS	E-11-3	3936 ELMRIDGE DR	9/5/20	7585	7584	14255	8	VCP	190
SSS	E-11-3	4235 N CONGRESS AVE	9/5/20	82723	7585	14259	8	VCP	24
SSS	E-11-3	4235 N CONGRESS AVE	9/5/20	83244	82723	14277	8	RPM	137
SSS	E-11-3	4220 N IROQUOIS DR	9/5/20	83242	83244	14276	8	RPM	131
SSS	E-11-3	4220 N IROQUOIS DR	9/5/20	83241	83242	14275	8	RPM	44
SSS	E-9-8	6609 LINCOLN AVE	9/8/20	5835	281858	7370	8	RPM	174
SSS	E-11-5	2301 ST. GEORGE RD	9/8/20	7487	7486	15695	12	VCP	323
SSS	E-11-5	2301 ST. GEORGE RD	9/8/20	7488	284611	15696	12	VCP	151
SSS	E-11-5	2301 ST. GEORGE RD	9/8/20	7486	282444	15694	12	VCP	17
SSS	E-11-5	2301 ST. GEORGE RD	9/8/20	282444	7485	29015	12	VCP	258
SSS	E-11-5	2301 ST GEORGE RD	9/8/20	284611	7487	31474	12	VCP	15
SSS	E-11-3	3722 ELMRIDGE DR	9/8/20	7581	82724	8390	8	RPM	385
SSS	E-11-3	3407 OAK TERRACE	9/8/20	82724	14438	8080	8	PVC	153
SSS	E-11-3	3906 ELMRIDGE DR	9/8/20	7583	7582	8370	10	RPM	293
SSS	E-11-3	3722 ELMRIDGE DR	9/8/20	7582	7581	8369	10	RPM	256
SSS	E-11-3	3936 ELMRIDGE DR	9/8/20	7584	7583	8363	8	RPM	250
SSS	E-11-3	4115 ROSEWOOD AVE	9/8/20	281441	83246	27120	8	RPM	179

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-3	4115 ROSEWOOD AVE	9/8/20	83246	83244	14279	8	RPM	455
SSS	E-11-3	2940 NICOLE DR	9/9/20	7321	7320	8649	10	RPM	553
SSS	E-11-3	2818 NICOLE DR	9/9/20	7320	4359	15689	12	RCP	265
SSS	E-11-3	4200 JENNY PL	9/9/20	4359	4344	14760	12	RCP	219
SSS	E-11-3	4130 JENNY PL	9/9/20	4344	281438	15690	12	RCP	146
SSS	E-11-3	4130 JENNY PL	9/9/20	281438	4343	27117	12	RCP	16
SSS	E-11-3	3410 ELMRIDGE DR	9/10/20	7578	7344	8368	8	RPM	229
SSS	E-11-5	5515 OHARA DR	9/10/20	7491	7492	8089	8	VCP	268
SSS	E-11-5	5618 WARD RD	9/10/20	AEP	7491	8705	8	RPM	95
SSS	E-11-3	4047 N IROQUOIS DR	9/10/20	AEP	281870	28436	8	RPM	295
SSS	E-11-3	4234 N CONGRESS AVE	9/10/20	82722	82723	14258	8	RPM	46
SSS	E-11-3	4101 KENMORE DR	9/10/20	4415	4416	14248	8	RPM	278
SSS	E-11-3	4047 N IROQUOIS DR	9/10/20	281870	83243	28437	8	RPM	468
SSS	E-11-3	4101 KENMORE DR	9/10/20	4416	4417	14249	8	RPM	216
SSS	E-11-3	4214 ELMRIDGE DR	9/10/20	4417	4418	14250	8	RPM	78
SSS	E-11-3	4232 ELMRIDGE DR	9/10/20	4418	4419	14251	8	RPM	301
SSS	E-11-3	4323 ELMRIDGE DR	9/11/20	4419	4462	14252	8	RPM	166
SSS	E-11-3	4323 ELMRIDGE DR	9/11/20	4462	4464	14254	8	RPM	185
SSS	E-11-3	4323 ELMRIDGE DR	9/11/20	4463	4462	14253	8	RPM	87
SSS	E-11-3	4318 ELMRIDGE DR	9/11/20	281911	4464	14309	10	RPM	412
SSS	E-11-5	5412 MEMORY LN	9/11/20	7452	7442	8431	10	VCP	269
SSS	E-11-3	4318 ELMRIDGE DR	9/11/20	4464	133578	14304	10	RPM	603
SSS	E-11-3	3220 ELMRIDGE DR	9/12/20	7338	82717	8593	8	RPM	253
SSS	E-11-3	4209 OAK HILL RD	9/12/20	82717	7324	8653	8	RPM	253
SSS	E-11-3	4235 N IROQUOIS DR	9/12/20	83243	83241	14274	10	RPM	131
SSS	E-11-3	3324 MARINER DR	9/12/20	14440	14441	8623	8	RPM	359
SSS	E-11-3	3323 MARINER DR	9/12/20	14441	14442	8622	8	RPM	283
SSS	E-11-3	3336 MARINER DR	9/12/20	280548	280549	26014	8	RPM	149
SSS	E-11-3	3424 MARINER DR	9/12/20	280549	280550	26015	8	RPM	221
SSS	E-11-6	3931 EASTBROOKE DR	9/14/20	7354	7536	8109	8	RPM	186
SSS	E-11-5	2251 VENETIAN DR	9/14/20	11071	11072	8827	8	VCP	219
SSS	E-11-3	3512 MARINER DR	9/14/20	280550	280551	26016	8	PVC	364
SSS	E-11-3	3620 MARINER DR	9/14/20	280551	280556	26022	8	RPM	370
SSS	E-11-3	3944 WOLTERS DR	9/14/20	280554	280553	26017	8	RCP	94
SSS	E-11-3	3944 WOLTERS DR	9/14/20	280552	280553	26018	8	RPM	48
SSS	E-11-3	3944 WOLTERS DR	9/14/20	280553	280555	25989	8	PVC	367

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-3	3601 MARINER DR	9/14/20	280555	280558	26020	8	RPM	369
SSS	E-11-3	3715 MARINER DR	9/14/20	280558	280557	26021	8	RPM	67
SSS	E-11-3	3501 BRONSON LN	9/14/20	280559	280560	26023	8	RPM	373
SSS	E-11-5	5600 WARD RD	9/14/20	AEP	7491	8088	8	VCP	65
SSS	E-11-3	3711 BRONSON LN	9/14/20	280560	14439	26024	8	RPM	371
SSS	E-11-3	3711 BRONSON LN	9/14/20	14436	14439	8392	8	RPM	94
SSS	E-11-3	3711 BRONSON LN	9/14/20	14439	280557	28354	8	RPM	169
SSS	E-11-3	3715 MARINER DR	9/14/20	280557	280556	8391	8	RPM	157
SSS	E-11-3	3714 MARINER DR	9/14/20	280556	14437	28355	8	RPM	71
SSS	E-11-3	3933 BRONSON LN	9/14/20	280563	280562	26027	8	RPM	299
SSS	E-11-3	3837 BRONSON LN	9/14/20	280562	280561	26026	8	RPM	321
SSS	E-11-3	3801 BRONSON LN	9/14/20	280561	14439	26025	8	RPM	216
SSS	E-11-5	2701 ST GEORGE RD	9/15/20	7442	7451	8655	10	VCP	138
SSS	E-11-5	5217 WARD RD	9/15/20	282608	282607	29158	8	RPM	349
SSS	E-11-5	5501 OHARA DR	9/15/20	7492	7488	8481	8	RCP	538
SSS	E-11-5	5301 WARD RD	9/15/20	282607	282606	29159	8	RPM	117
SSS	E-11-3	3714 MARINER DR	9/15/20	14437	14438	8389	8	RPM	30
SSS	E-11-5	5500 WALSH RD	9/15/20	7498	7486	22635	8	VCP	236
SSS	E-11-3	3714 MARINER DR	9/15/20	14438	82725	8081	8	RPM	377
SSS	E-11-5	5111 MEMORY LN	9/15/20	7432	7431	8451	8	VCP	351
SSS	E-11-3	3800 STANFORD DR	9/16/20	14467	14466	8268	8	RPM	86
SSS	E-11-3	3800 STANFORD DR	9/16/20	14466	14447	8269	8	RPM	18
SSS	E-11-3	3800 STANFORD DR	9/16/20	14447	14448	8261	8	RPM	180
SSS	E-11-3	3216 YALE DR	9/16/20	14448	14449	8260	8	RPM	315
SSS	E-11-3	3216 YALE DR	9/16/20	14455	14449	8262	8	RPM	342
SSS	E-11-3	3216 YALE DR	9/16/20	14449	14450	8259	8	RPM	308
SSS	E-11-3	3320 YALE DR	9/16/20	14450	14451	8258	8	RPM	355
SSS	E-11-3	3412 YALE DR	9/16/20	14451	14452	8257	8	RPM	65
SSS	E-11-5	2207 SWINGING WAY	9/16/20	7505	7501	8085	8	VCP	337
SSS	E-11-3	3416 YALE DR	9/16/20	280602	14452	26070	8	RPM	63
SSS	E-11-3	3416 YALE DR	9/16/20	280603	280602	26071	8	RPM	269
SSS	E-11-3	3416 YALE DR	9/16/20	14452	14453	8256	8	RPM	102
SSS	E-11-3	3500 YALE DR	9/16/20	280604	280602	26072	8	RPM	174
SSS	E-11-3	3721 HARVARD CT	9/16/20	280605	280604	26073	8	RPM	315
SSS	E-11-3	3701 HARVARD CT	9/16/20	280609	280605	26077	8	RPM	257
SSS	E-11-3	3308 OAKLYN DR	9/16/20	280607	280606	26075	8	RPM	288

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8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-3	3328 OAKLYN DR	9/16/20	280606	280605	26074	8	RPM	146
SSS	E-11-3	3308 OAKLYN DR	9/16/20	280608	280607	26076	8	RPM	135
SSS	E-11-3	3800 STANFORD DR	9/17/20	14473	14467	8271	8	RPM	71
SSS	E-11-3	3700 STANFORD DR	9/17/20	14446	14447	8270	8	RPM	261
SSS	E-11-3	3617 CORNELL CT	9/17/20	280611	280610	26079	8	RPM	254
SSS	E-11-3	3617 CORNELL CT	9/17/20	280610	280607	26078	8	RPM	142
SSS	E-11-3	3208 OAKLYN DR	9/17/20	14458	14457	8265	8	RPM	110
SSS	E-11-5	5817 OHARA DR	9/17/20	7520	7517	22496	8	VCP	143
SSS	E-11-3	3208 OAKLYN DR	9/17/20	14457	14456	8264	8	RPM	82
SSS	E-11-5	5806 WARD RD	9/17/20	7517	7518	22650	12	PVC	109
SSS	E-11-3	3216 OAKLYN DR	9/17/20	14456	14455	8263	8	RPM	176
SSS	E-11-3	3208 OAKLYN DR	9/17/20	14459	14457	8266	8	RPM	224
SSS	E-11-3	3613 OAKLYN CT	9/17/20	14460	14459	8267	8	RPM	146
SSS	E-11-3	3700 DEBBIE LN	9/17/20	14462	14461	22831	8	VCP	351
SSS	E-11-3	3800 DEBBIE LN	9/17/20	14461	14493	22835	8	VCP	281
SSS	E-11-3	3508 DEBBIE LN	9/18/20	14465	14464	22832	8	VCP	134
SSS	E-11-3	3604 DEBBIE LN	9/18/20	14464	14463	22833	8	VCP	315
SSS	E-11-3	3604 DEBBIE LN	9/18/20	14463	14462	22834	8	VCP	276
SSS	E-11-3	3600 OAK HILL RD	9/19/20	14505	14504	21960	8	RPM	357
SSS	E-11-3	3700 OAK HILL RD	9/19/20	14504	14503	21959	8	RCP	424
SSS	E-11-3	3600 OAK HILL RD	9/19/20	14506	14505	21965	8	RCP	412
SSS	E-11-3	3416 OAK HILL RD	9/19/20	14507	14506	21961	8	RCP	382
SSS	E-11-3	3326 OAK HILL RD	9/19/20	14508	14507	21962	8	RCP	269
SSS	E-11-3	4011 JAZMYNE CT	9/21/20	82725	82727	8082	8	RPM	280
SSS	E-11-3	4011 JAZMYNE CT	9/21/20	82727	82726	8083	8	RPM	222
SSS	E-11-5	5521 TWICKINGHAM DR	9/21/20	7501	7502	8086	8	VCP	207
SSS	E-10-1	3811 E NEGLEY AVE	9/21/20	5749	5747	24074	8	VCP	401
SSS	E-11-5	2141 ST GEORGE RD	9/22/20	7485	284612	15693	12	VCP	75
SSS	E-11-5	2141 ST GEORGE RD	9/22/20	284612	7484	31475	12	VCP	368
SSS	E-11-2	2412 DEBBIE LN	9/22/20	4171	4170	8300	8	PVC	154
SSS	E-11-2	3104 DEBBIE LN	9/22/20	4170	4398	8311	8	PVC	58
SSS	E-11-2	2413 STEFFIELD LN	9/22/20	4172	4171	8312	8	PVC	83
SSS	E-11-2	3101 DEBBIE LN	9/22/20	CO	4172	8313	8	PVC	150
SSS	E-11-2	3113 RENEE DR	9/22/20	4173	4399	8309	8	PVC	163
SSS	E-11-2	3104 STEFFIELD LN	9/22/20	CO	4173	8310	8	PVC	83
SSS	E-11-2	3113 RENEE DR	9/22/20	4398	4399	8308	8	PVC	95

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-3	3711 BRONSON LN	9/22/20	14445	14436	8393	8	RPM	388
SSS	E-11-2	3114 RENEE DR	9/22/20	4399	4174	8307	8	PVC	148
SSS	E-11-3	3541 BRONSON LN	9/22/20	14444	14445	8619	8	RPM	134
SSS	E-11-3	3628 ELMRIDGE DR	9/22/20	AEP	281953	28536	8	RPM	384
SSS	E-11-3	3501 BRONSON LN	9/22/20	14443	14444	8620	8	PVC	302
SSS	E-11-3	3501 BRONSON LN	9/22/20	14442	14443	8621	8	PVC	356
SSS	E-11-2	2800 LYNCH RD	9/23/20	7319	7318	15687	12	RCP	267
SSS	E-11-2	3305 RENEE DR	9/23/20	14486	14487	8321	8	PVC	206
SSS	E-11-2	3305 RENEE DR	9/23/20	CO	14487	8320	8	RPM	122
SSS	E-11-2	2800 LYNCH RD	9/23/20	4343	7319	15688	12	RCP	122
SSS	E-11-2	3305 RENEE DR	9/23/20	14487	14485	8319	8	RPM	160
SSS	E-11-2	3411 RENEE DR	9/23/20	4389	4388	8294	8	RPM	144
SSS	E-11-2	3401 RENEE DR	9/23/20	4387	4388	8289	8	PVC	45
SSS	E-11-3	4016 KENMORE DR	9/23/20	281821	281559	28362	10	RPM	311
SSS	E-11-2	3301 MAXX RD	9/23/20	14320	14317	7127	10	VCP	344
SSS	E-11-2	3412 DEBBIE LN	9/23/20	4390	4389	8288	8	PVC	179
SSS	E-11-3	4016 KENMORE DR	9/23/20	133578	281821	12576	10	RPM	362
SSS	E-11-2	2600 DANBURY LN	9/23/20	4391	4390	8287	8	RPM	192
SSS	E-11-3	4115 ROSEWOOD AVE	9/23/20	AEP	83246	14278	8	RPM	317
SSS	E-11-3	4000 N IROQUOIS DR	9/23/20	281536	281559	27248	8	PVC	202
SSS	E-11-3	4000 N IROQUOIS DR	9/23/20	281537	281536	27247	8	RPM	278
SSS	E-11-3	4000 N IROQUOIS DR	9/24/20	281559	AWW	27249	10	RPM	29
SSS	E-11-2	2601 GREATWAY CT	9/24/20	4392	4393	8296	8	PVC	51
SSS	E-11-2	3400 DEBBIE LN	9/24/20	CO	4392	8297	8	PVC	157
SSS	E-11-2	3404 DEBBIE LN	9/24/20	4393	4387	8295	8	PVC	127
SSS	E-11-2	3001 MAXX RD	9/29/20	15113	14318	7122	10	RPM	343
SSS	E-11-2	3001 MAXX RD	9/29/20	15112	15113	7123	10	RPM	271
SSS	E-11-2	3001 MAXX RD	9/29/20	15109	15112	7121	10	RPM	82
SSS	E-11-2	2701 SHORTRIDGE CT	9/29/20	281411	281408	27085	8	RPM	260
SSS	E-11-2	3001 MAXX RD	9/29/20	14318	14320	7117	10	RPM	40
SSS	E-11-2	3001 MAXX RD	9/29/20	14319	14318	7118	10	RPM	38
SSS	E-11-2	2701 SHORTRIDGE CT	9/29/20	281408	281407	27079	8	RPM	63
SSS	E-11-2	2127 BREMMERTON DR	9/29/20	281407	281403	27080	8	RPM	110
SSS	E-11-2	3001 MAXX RD	9/29/20	15114	14319	7124	8	RPM	224
SSS	E-11-2	2701 SHORTRIDGE CT	9/29/20	281409	281408	27078	8	RPM	122
SSS	E-11-2	2212 BREMMERTON DR	9/29/20	281410	281409	27077	8	RPM	137

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-2	3001 MAXX RD	9/29/20	15115	15114	7125	8	RPM	309
SSS	E-11-2	3001 MAXX RD	9/29/20	AEP	14319	5334	10	RPM	11
SSS	E-11-2	2612 ELLINGTON RIDGE CT	9/29/20	281395	281394	27066	8	RPM	303
SSS	E-11-2	2516 ELLINGTON RIDGE CT	9/29/20	281394	281393	27067	8	RPM	127
SSS	E-11-2	2612 ELLINGTON RIDGE CT	9/29/20	281405	281395	27084	8	RPM	214
SSS	E-11-2	2113 BREMMERTON DR	9/29/20	281404	281405	27083	8	RPM	85
SSS	E-11-2	2123 BREMMERTON DR	9/29/20	281403	281404	27082	8	RPM	122
SSS	E-11-2	2201 BREMMERTON DR	9/29/20	281406	281403	27081	8	RPM	392
SSS	E-11-2	2612 ELLINGTON RIDGE CT	9/29/20	281396	281395	27065	8	RPM	117
SSS	E-11-2	2620 ELLINGTON RIDGE CT	9/29/20	281397	281396	27064	8	RPM	81
SSS	E-11-2	2100 BREMMERTON DR	9/29/20	281398	281397	27063	8	RPM	245
SSS	E-9-1	107 S IRIQUOUS DR	9/30/20	6335	6334	6722	8	VCP	386
SSS	E-11-2	2516 ELLINGTON RIDGE CT	9/30/20	281400	281394	27076	8	RPM	140
SSS	E-11-2	2107 LONGWAY CT	9/30/20	281399	281400	27075	8	RPM	385
SSS	E-11-2	2213 LONGWAY CT	9/30/20	281389	281399	27074	8	RPM	112
SSS	E-11-2	2213 LONGWAY CT	9/30/20	281388	281389	27062	8	RPM	122
SSS	E-11-2	2412 ELLINGTON RIDGE DR	9/30/20	281393	281392	27068	8	RPM	105
SSS	E-11-2	2220 PERFECTION CT	9/30/20	15110	15109	7119	10	RPM	364
SSS	E-11-2	2220 PERFECTION CT	9/30/20	15111	15110	7120	10	RPM	188
SSS	E-11-2	2220 PERFECTION CT	9/30/20	282332	15111	28906	10	RPM	213
SSS	E-11-2	3101 DANBURY LN	10/1/20	4403	4402	8298	8	RPM	402
SSS	E-11-2	3101 DANBURY LN	10/1/20	4386	4403	8302	8	PVC	137
SSS	E-11-2	2220 PERFECTION CT	10/1/20	281420	281421	27092	8	PVC	283
SSS	E-11-2	3404 RENEE DR	10/1/20	4388	4386	8299	8	PVC	281
SSS	E-11-2	3404 RENEE DR	10/1/20	4397	4386	8303	8	RPM	230
SSS	E-11-2	3310 RENEE DR	10/1/20	14485	4397	8318	8	RPM	67
SSS	E-11-2	3117 DEBBIE LN	10/1/20	14502	14501	8325	8	RPM	225
SSS	E-11-2	2220 PERFECTION CT	10/1/20	281421	281429	27093	8	RPM	392
SSS	E-11-2	3117 DEBBIE LN	10/1/20	CO	14501	8324	8	PVC	103
SSS	E-11-2	3116 DEBBIE LN	10/1/20	14501	14500	8323	8	PVC	175
SSS	E-11-2	2220 PERFECTION CT	10/1/20	281429	15109	27094	8	PVC	251
SSS	E-11-3	3800 OAKHILL RD	10/3/20	14503	14496	21958	8	RCP	323
SSS	E-11-4	4600 OHARA DR	10/3/20	15107	15106	8583	8	RPM	67
SSS	E-11-2	3509 AMERICAN WAY	10/3/20	4402	4401	8304	8	RPM	329
SSS	E-11-2	2521 LYNCH RD	10/3/20	4401	4400	8305	8	RPM	281
SSS	E-11-2	2521 LYNCH RD	10/3/20	4400	14490	8651	8	RPM	396

TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-9-1	303 HARRISON BLVD	10/5/20	6306	6302	6892	8	VCP	385
SSS	E-9-5	6133 BRIGHTON DR	10/5/20	5906	5905	6942	8	RPM	375
SSS	E-9-9	6609 E WALNUT ST	10/5/20	CO	5849	24340	8	VCP	214
SSS	E-11-2	2300 JEWEL CT	10/5/20	281425	281424	27090	8	RPM	244
SSS	E-11-2	2825 TIARA LN	10/5/20	281424	281426	27104	8	RPM	237
SSS	E-11-2	2408 ELLINGTON RIDGE CT	10/5/20	281390	281391	27069	8	RPM	237
SSS	E-11-2	2408 ELLINGTON RIDGE CT	10/5/20	281391	281392	27070	8	RPM	174
SSS	E-11-2	2406 ELLINGTON RIDGE DR	10/5/20	281392	281401	27071	8	RPM	129
SSS	E-11-2	2406 ELLINGTON RIDGE DR	10/5/20	281401	281402	27072	8	RPM	190
SSS	E-11-2	3013 TIARA LN	10/5/20	281422	281419	27088	8	RPM	245
SSS	E-11-2	3012 TIARA LN	10/5/20	281419	281418	27095	8	RPM	163
SSS	E-11-2	4201 N HWY 41	10/6/20	284624	9503	22257	10	RPM	209
SSS	E-11-2	3001 TIARA LN	10/6/20	281423	281419	27087	8	PVC	121
SSS	E-11-2	4201 N HWY 41	10/6/20	9503	280696	22253	10	RPM	343
SSS	E-11-2	2925 TIARA LN	10/6/20	CO	281423	27086	8	RPM	148
SSS	E-11-2	1510 YOKEL RD	10/6/20	280696	9504	22254	10	RPM	386
SSS	E-11-2	1520 YOKEL RD	10/6/20	9504	AWW	22255	10	RPM	397
SSS	E-11-2	4201 N HWY 41	10/6/20	9509	284624	31511	10	RPM	69
SSS	E-11-2	2825 TIARA LN	10/6/20	281428	281427	27089	8	PVC	243
SSS	E-11-2	2825 TIARA LN	10/6/20	281427	281426	27102	8	PVC	50
SSS	E-11-2	2820 TIARA LN	10/7/20	281426	281414	27103	8	PVC	157
SSS	E-11-2	2912 TIARA LN	10/7/20	281415	281416	27099	8	RPM	239
SSS	E-11-2	2800 TIARA LN	10/7/20	281412	281413	27096	8	RPM	103
SSS	E-11-2	2912 TIARA LN	10/7/20	281414	281415	27098	8	RPM	285
SSS	E-11-2	2300 LAKE DR	10/7/20	281233	281412	27105	8	PVC	274
SSS	E-11-2	2804 TIARA LN	10/7/20	281413	281414	27097	8	PVC	370
SSS	E-11-2	3212 DEBBIE LN	10/7/20	4385	4384	8292	8	PVC	137
SSS	E-9-9	401 PLAZA DR	10/8/20	7239	284304	22106	8	VCP	398
SSS	E-9-9	6609 E CHESNUT ST	10/8/20	AEP	5847	24339	8	VCP	297
SSS	E-11-2	3000 TIARA LN	10/8/20	281418	281420	27091	8	RPM	243
SSS	E-11-2	3000 TIARA LN	10/8/20	281417	281418	27101	8	PVC	132
SSS	E-11-2	2928 TIARA LN	10/8/20	281416	281417	27100	8	RPM	65
SSS	E-11-2	2400 ELLINGTON RIDGE DR	10/9/20	281402	6999	27073	8	RPM	305
SSS	E-11-3	4116 N CONGRESS AVE	10/12/20	CO	281441	27119	8	RPM	181
SSS	E-11-2	2800 LYNCH RD	10/12/20	7318	14491	16652	12	RCP	400
SSS	E-11-2	3212 DEBBIE LN	10/13/20	4383	4385	8293	8	RPM	53

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TABLE 7-5

8" to 15" Diameter CCTV Pipe Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Sewershed	Sub-basin	Address	Date	Upstream Manhole	Downstream Manhole	Sewer Segment	Pipe Diameter (in)	Pipe Material	Length (ft)
SSS	E-11-2	3421 MANHATTAN BLVD	10/13/20	4396	14485	8317	8	RPM	187
SSS	E-11-2	3337 MANHATTAN BLVD	10/13/20	4395	4396	8301	8	RPM	238
SSS	E-11-2	3305 MANHATTAN BLVD	10/13/20	4174	4395	8306	8	RPM	212
SSS	E-11-2	3116 DEBBIE LN	10/14/20	4394	4395	8327	8	PVC	304
SSS	E-11-2	3116 DEBBIE LN	10/14/20	14500	4394	8328	8	RPM	43
SSS	E-11-2	3200 DEBBIE LN	10/14/20	CO	14500	8322	8	RPM	83
SSS	E-11-2	3116 DEBBIE LN	10/14/20	AEP	4394	8326	8	RPM	88
SSS	E-11-5	2211 HERITAGE AVE	10/14/20	83066	11085	8107	8	VCP	448
SSS	E-11-2	3312 DEBBIE LN	10/14/20	4384	4387	8290	8	RPM	373
SSS	E-11-2	3212 DEBBIE LN	10/14/20	AEP	4384	8291	8	RPM	77
SSS	E-11-5	6024 OHARA DR	10/17/20	11069	11068	8828	8	VCP	326
SSS	E-11-2	2600 MAROTT CT	10/20/20	14488	4383	11280	8	PVC	248
SSS	E-11-2	2612 MAROTT CT	10/20/20	CO	14488	11282	8	RPM	31
SSS	E-11-2	2613 ABBEY LN	10/20/20	CO	14488	11281	8	PVC	78
SSS	E-11-3	3932 BRONSON LN	10/21/20	82726	281537	27246	8	RPM	342
SSS	E-11-3	3412 YALE DR	10/22/20	14454	14444	8254	8	RPM	262
SSS	E-11-3	3412 YALE DR	10/22/20	14453	14454	8255	8	RPM	11
SSS	E-11-3	4249 N CONGRESS AVE	10/22/20	83245	83244	14280	8	RPM	299
SSS	E-11-5	6212 WARD RD	10/23/20	11082	11070	8831	8	VCP	325
SSS	E-11-5	5715 OHARA DR	10/24/20	7518	7497	22493	12	VCP	293
SSS	E-11-5	5901 OHARA DR	10/24/20	AEP	7520	22648	8	VCP	182
SSS	W-13-3	4200 MOUNT VERNON RD	10/27/20	282924	11555	15602	12	VCP	329
SSS	E-11-4	4340 OAK HILL RD	10/28/20	7337	7336	21972	8	VCP	191
SSS	W-13-3	4120 CLEMENT ST	11/10/20	11446	11444	23794	8	VCP	269
SSS	E-11-2	3001 MAXX RD	11/13/20	14317	14316	7126	10	VCP	351
SSS	E-11-6	4235 N IROQUOIS DR	12/3/20	284296	83243	30978	8	RPM	297
SSS	E-11-5	5408 MEMORY LN	12/9/20	7443	7442	8112	8	VCP	326
SSS	E-11-5	6106 WARD RD	12/10/20	11070	11067	8826	8	VCP	421
SSS	E-9-8	712 S BURKHARDT RD	12/11/20	5870	5871	23388	8	VCP	312
SSS	E-9-11	7200 E POWELL AVE	12/21/20	7093	7092	23515	8	VCP	344

CSS Total Inspected (ft)

0

SSS Total Inspected (ft)

120677

Total 8" to 15" Diameter Pipes Inspected (ft)

120677

* Total includes 1370 ft of SSS inspections that were not submitted on previous SAR

TABLE 7-7

Manhole Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
284346	W-13-1	7/18/19	1.00
284371	W-12-5	9/30/19	1.00
138039	W-13-2	10/9/19	1.00
14983	W-12-5	2/24/20	1.00
170561	E-9-15	4/16/20	1.00
7350	E-11-6	6/4/20	1.00
284328	E-11-2	6/16/20	1.00
83067	E-11-5	6/23/20	1.00
7340	E-11-3	7/1/20	1.00
7341	E-11-3	7/1/20	1.00
7342	E-11-3	7/1/20	1.00
7343	E-11-3	7/1/20	1.00
7344	E-11-3	7/1/20	1.00
7578	E-11-3	7/1/20	1.00
7581	E-11-3	7/1/20	1.00
7582	E-11-3	7/1/20	1.00
7583	E-11-3	7/1/20	1.00
7584	E-11-3	7/1/20	1.00
7585	E-11-3	7/1/20	1.00
82722	E-11-3	7/1/20	1.00
82723	E-11-3	7/1/20	1.00
82724	E-11-3	7/2/20	2.00
82725	E-11-3	7/2/20	1.00
82726	E-11-3	7/2/20	1.00
82727	E-11-3	7/2/20	1.00
4345	E-11-3	7/6/20	1.00
4346	E-11-3	7/6/20	1.00
4348	E-11-3	7/6/20	1.00
4349	E-11-3	7/6/20	1.00
4350	E-11-3	7/6/20	1.00
4351	E-11-3	7/6/20	1.00
4352	E-11-3	7/6/20	1.00
4353	E-11-3	7/6/20	1.00
4354	E-11-3	7/6/20	1.00
4355	E-11-3	7/6/20	1.00
7331	E-11-4	7/6/20	1.00
7332	E-11-4	7/6/20	1.00
7529	E-11-4	7/6/20	1.00
82715	E-11-4	7/6/20	1.00
281808	E-11-4	7/6/20	1.00
4358	E-11-3	7/7/20	1.00
7326	E-11-4	7/7/20	2.00
7327	E-11-4	7/7/20	1.00
7328	E-11-4	7/7/20	1.00
7329	E-11-4	7/7/20	1.00
7330	E-11-4	7/7/20	1.00
7396	E-11-4	7/7/20	1.00
7401	E-11-4	7/7/20	1.00
7409	E-11-4	7/7/20	1.00
7410	E-11-4	7/7/20	1.00
7411	E-11-4	7/7/20	1.00
7412	E-11-4	7/7/20	1.00
4359	E-11-3	7/8/20	1.00
7320	E-11-3	7/8/20	1.00
7407	E-11-4	7/8/20	1.00
7414	E-11-4	7/8/20	1.00
83246	E-11-3	7/8/20	1.00
281183	E-11-4	7/8/20	1.00
7405	E-11-4	7/9/20	1.00
7418	E-11-4	7/9/20	1.00

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Manhole Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
7419	E-11-4	7/9/20	1.00
7528	E-11-4	7/9/20	1.00
83241	E-11-3	7/9/20	1.00
83242	E-11-3	7/9/20	1.00
169153	E-11-4	7/9/20	1.00
284294	E-11-6	7/9/20	1.00
4384	E-11-2	7/14/20	1.00
4389	E-11-2	7/14/20	1.00
7475	E-11-4	7/14/20	1.00
7476	E-11-4	7/14/20	1.00
7477	E-11-4	7/14/20	1.00
7478	E-11-4	7/14/20	1.00
7479	E-11-4	7/14/20	1.00
7480	E-11-4	7/14/20	1.00
281412	E-11-2	7/14/20	1.00
281424	E-11-2	7/14/20	1.00
281425	E-11-2	7/14/20	1.00
281426	E-11-2	7/14/20	1.00
281427	E-11-2	7/14/20	2.00
7002	E-11-1	7/15/20	1.00
7003	E-11-1	7/15/20	1.00
7005	E-11-1	7/15/20	1.00
281233	E-11-2	7/15/20	1.00
281388	E-11-2	7/15/20	1.00
281389	E-11-2	7/15/20	1.00
281391	E-11-2	7/15/20	1.00
281399	E-11-2	7/15/20	1.00
281400	E-11-2	7/15/20	1.00
281405	E-11-2	7/15/20	1.00
281406	E-11-2	7/15/20	1.00
7376	E-11-4	7/16/20	1.00
7378	E-11-4	7/16/20	1.00
9506	E-11-2	7/17/20	1.00
9520	E-11-2	7/17/20	1.00
280687	E-11-2	7/17/20	1.00
4464	E-11-3	7/20/20	1.00
7268	E-11-1	7/20/20	1.00
7273	E-11-1	7/20/20	1.00
7275	E-11-1	7/20/20	1.00
7293	E-11-1	7/20/20	1.00
7294	E-11-1	7/20/20	1.00
7468	E-11-1	7/20/20	1.00
7469	E-11-1	7/20/20	1.00
7470	E-11-1	7/20/20	1.00
73537	E-11-1	7/20/20	1.00
73538	E-11-1	7/20/20	1.00
7533	E-11-2	7/22/20	1.00
7534	E-11-2	7/22/20	1.00
14318	E-11-2	7/22/20	1.00
14319	E-11-2	7/22/20	1.00
14320	E-11-2	7/22/20	1.00
15110	E-11-2	7/22/20	1.00
15111	E-11-2	7/22/20	1.00
281190	E-11-8	7/22/20	1.00
281193	E-11-8	7/22/20	1.00
281516	E-11-2	7/22/20	1.00
282332	E-11-2	7/22/20	1.00
282604	E-11-5	7/22/20	1.00
282605	E-11-5	7/22/20	1.00
15109	E-11-2	7/23/20	1.00

TABLE 7-7

Manhole Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
15112	E-11-2	7/23/20	1.00
15113	E-11-2	7/23/20	1.00
15114	E-11-2	7/23/20	1.00
15115	E-11-2	7/23/20	1.00
100033	E-11-2	7/23/20	1.00
281415	E-11-2	7/23/20	2.00
281416	E-11-2	7/23/20	1.00
281417	E-11-2	7/23/20	1.00
281420	E-11-2	7/23/20	1.00
281421	E-11-2	7/23/20	1.00
281429	E-11-2	7/23/20	1.00
7311	E-11-2	7/24/20	1.00
7312	E-11-2	7/24/20	1.00
7313	E-11-2	7/24/20	1.00
7373	E-11-4	7/24/20	1.00
15100	E-11-4	7/24/20	1.00
38121	E-11-4	7/24/20	1.00
6998	E-11-2	7/27/20	1.00
7474	E-11-2	7/27/20	1.00
7314	E-11-2	7/29/20	1.00
7316	E-11-2	7/29/20	1.00
7317	E-11-2	7/29/20	1.00
14489	E-11-2	7/30/20	1.00
14490	E-11-2	7/30/20	1.00
14498	E-11-2	7/30/20	1.00
14499	E-11-2	7/30/20	1.00
281434	E-11-2	7/30/20	1.00
281435	E-11-2	7/30/20	1.00
14491	E-11-2	7/31/20	1.00
14492	E-11-3	7/31/20	1.00
14493	E-11-3	7/31/20	1.00
14494	E-11-3	7/31/20	1.00
14495	E-11-3	7/31/20	1.00
14497	E-11-3	7/31/20	1.00
14436	E-11-3	8/4/20	1.00
14437	E-11-3	8/4/20	1.00
14439	E-11-3	8/4/20	1.00
14442	E-11-3	8/4/20	1.00
14443	E-11-3	8/4/20	1.00
14444	E-11-3	8/4/20	2.00
280557	E-11-3	8/4/20	1.00
7006	E-11-1	8/5/20	1.00
7007	E-11-1	8/5/20	1.00
7008	E-11-1	8/5/20	1.00
7284	E-11-1	8/5/20	1.00
14445	E-11-3	8/5/20	1.00
64253	E-11-1	8/5/20	1.00
4173	E-11-2	8/6/20	2.00
5986	E-9-5	8/6/20	1.00
6252	E-9-7	8/6/20	1.00
6254	E-9-7	8/6/20	1.00
12564	E-11-5	8/6/20	1.00
15154	E-11-6	8/6/20	1.00
284262	E-9-15	8/6/20	1.00
284271	E-9-15	8/6/20	1.00
7281	E-11-2	8/10/20	1.00
7303	E-11-2	8/10/20	1.00
7304	E-11-2	8/10/20	1.00
7305	E-11-2	8/10/20	1.00
73464	E-11-2	8/10/20	1.00

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Manhole Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
281402	E-11-2	8/10/20	1.00
4386	E-11-2	8/11/20	1.00
4395	E-11-2	8/11/20	1.00
4396	E-11-2	8/11/20	1.00
7333	E-11-4	8/11/20	1.00
7334	E-11-4	8/11/20	1.00
7335	E-11-4	8/11/20	1.00
7420	E-11-4	8/11/20	1.00
14485	E-11-2	8/11/20	1.00
83244	E-11-3	8/11/20	1.00
83245	E-11-3	8/11/20	1.00
7295	E-11-1	8/12/20	1.00
7381	E-11-4	8/12/20	1.00
7383	E-11-4	8/12/20	1.00
7384	E-11-4	8/12/20	1.00
15099	E-11-4	8/12/20	1.00
15101	E-11-4	8/12/20	1.00
15103	E-11-4	8/12/20	1.00
15104	E-11-4	8/12/20	1.00
15105	E-11-4	8/12/20	1.00
281436	E-11-4	8/12/20	1.00
281437	E-11-4	8/12/20	1.00
4347	E-11-3	8/13/20	1.00
7318	E-11-2	8/13/20	1.00
7319	E-11-2	8/13/20	1.00
7398	E-11-4	8/13/20	1.00
7404	E-11-4	8/13/20	1.00
7406	E-11-4	8/13/20	1.00
14428	E-11-4	8/13/20	1.00
14429	E-11-4	8/13/20	1.00
4356	E-11-3	8/14/20	1.00
4357	E-11-3	8/14/20	1.00
7325	E-11-3	8/14/20	1.00
7461	E-11-1	8/14/20	1.00
7517	E-11-5	8/14/20	1.00
7518	E-11-5	8/14/20	1.00
126177	W-12-6	8/14/20	1.00
170605	E-9-15	8/14/20	1.00
7283	E-11-1	8/17/20	1.00
7285	E-11-1	8/17/20	1.00
7287	E-11-1	8/17/20	1.00
7444	E-11-5	8/17/20	1.00
7445	E-11-5	8/17/20	1.00
7446	E-11-5	8/17/20	1.00
7447	E-11-5	8/17/20	1.00
7522	E-11-1	8/17/20	1.00
7535	E-11-2	8/17/20	1.00
73463	E-11-1	8/17/20	2.00
100034	E-11-2	8/17/20	1.00
281914	E-11-5	8/17/20	1.00
4403	E-11-2	8/18/20	1.00
7430	E-11-5	8/18/20	1.00
7432	E-11-5	8/18/20	1.00
7433	E-11-5	8/18/20	1.00
7434	E-11-5	8/18/20	1.00
7525	E-11-5	8/18/20	1.00
280756	E-11-5	8/18/20	1.00
282607	E-11-5	8/18/20	1.00
282608	E-11-5	8/18/20	1.00
282609	E-11-5	8/18/20	1.00

TABLE 7-7

Manhole Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
6997	E-11-1	8/19/20	1.00
7000	E-11-1	8/19/20	2.00
7001	E-11-1	8/19/20	2.00
7274	E-11-1	8/19/20	2.00
7462	E-11-1	8/19/20	1.00
7463	E-11-1	8/19/20	1.00
73540	E-11-1	8/19/20	1.00
7464	E-11-1	8/20/20	1.00
7465	E-11-1	8/20/20	1.00
7466	E-11-1	8/20/20	1.00
14503	E-11-3	8/20/20	1.00
14506	E-11-3	8/20/20	1.00
14507	E-11-3	8/20/20	1.00
14508	E-11-3	8/20/20	1.00
83243	E-11-3	8/20/20	1.00
281559	E-11-3	8/20/20	1.00
281911	E-11-3	8/20/20	2.00
11474	W-13-2	8/21/20	1.00
11495	W-13-2	8/21/20	1.00
14939	W-12-6	8/21/20	1.00
4390	E-11-2	8/28/20	1.00
4394	E-11-2	8/28/20	1.00
4397	E-11-2	8/28/20	2.00
7519	E-11-5	8/28/20	1.00
11064	E-11-5	8/28/20	1.00
11065	E-11-5	8/28/20	1.00
11071	E-11-5	8/28/20	1.00
14500	E-11-2	8/28/20	2.00
281441	E-11-3	8/28/20	1.00
7393	E-11-4	8/31/20	1.00
7395	E-11-4	8/31/20	1.00
7441	E-11-5	8/31/20	1.00
7442	E-11-5	8/31/20	1.00
7492	E-11-5	8/31/20	1.00
11604	W-13-3	8/31/20	1.00
14438	E-11-3	8/31/20	1.00
15102	E-11-4	8/31/20	1.00
130005	W-12-5	8/31/20	1.00
7394	E-11-4	8/31/20	1.00
6223	E-9-4	9/1/20	1.00
7339	E-11-3	9/1/20	2.00
7392	E-11-4	9/1/20	2.00
15106	E-11-4	9/1/20	1.00
15107	E-11-4	9/1/20	1.00
15108	E-11-4	9/1/20	1.00
83341	E-11-4	9/1/20	2.00
281439	E-11-3	9/1/20	1.00
7288	E-11-1	9/2/20	1.00
7299	E-11-1	9/2/20	1.00
7388	E-11-4	9/2/20	1.00
7391	E-11-4	9/2/20	1.00
7403	E-11-4	9/2/20	1.00
82718	E-11-4	9/2/20	1.00
281428	E-11-2	9/2/20	1.00
281912	E-11-4	9/2/20	1.00
7380	E-11-4	9/3/20	1.00
7385	E-11-4	9/3/20	1.00
7397	E-11-4	9/3/20	1.00
14430	E-11-4	9/3/20	1.00
14431	E-11-4	9/3/20	1.00

TABLE 7-7

Manhole Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
280105	E-9-15	9/3/20	1.00
284291	E-11-6	9/3/20	1.00
7272	E-11-1	9/4/20	1.00
7467	E-11-1	9/4/20	1.00
9509	E-11-2	9/4/20	1.00
281404	E-11-2	9/4/20	1.00
281413	E-11-2	9/4/20	1.00
281423	E-11-2	9/4/20	1.00
14488	E-11-2	9/8/20	1.00
7417	E-11-4	9/9/20	1.00
7471	E-11-1	9/9/20	1.00
7472	E-11-1	9/9/20	1.00
9505	E-11-2	9/9/20	1.00
73536	E-11-1	9/9/20	1.00
4797	W-9-2	9/10/20	1.00
6006	E-9-3	9/10/20	1.00
6353	E-9-1	9/10/20	1.00
6354	E-9-1	9/10/20	1.00
6355	E-9-1	9/10/20	1.00
7321	E-11-3	9/10/20	1.00
7448	E-11-5	9/10/20	1.00
7449	E-11-5	9/10/20	1.00
7450	E-11-5	9/10/20	1.00
7451	E-11-5	9/10/20	1.00
4400	E-11-2	9/11/20	1.00
4401	E-11-2	9/11/20	1.00
6142	E-9-1	9/11/20	1.00
7207	E-9-11	9/11/20	1.00
7374	E-11-4	9/11/20	2.00
280104	E-9-15	9/11/20	1.00
6995	E-11-1	9/14/20	1.00
6996	E-11-2	9/14/20	1.00
7371	E-11-2	9/14/20	1.00
7372	E-11-2	9/14/20	1.00
7375	E-11-4	9/14/20	1.00
9507	E-11-2	9/14/20	1.00
6347	E-9-1	9/15/20	1.00
281330	E-9-2	9/15/20	1.00
11455	W-13-2	9/20/20	1.00
7322	E-11-3	9/22/20	2.00
7324	E-11-3	9/22/20	1.00
7338	E-11-3	9/22/20	1.00
82717	E-11-3	9/22/20	1.00
284307	E-9-9	9/22/20	1.00
7310	E-11-2	9/23/20	1.00
9504	E-11-2	9/23/20	1.00
284431	E-11-2	9/23/20	2.00
6994	E-11-1	9/25/20	1.00
10470	E-11-1	9/25/20	1.00
64254	E-11-2	9/25/20	1.00
281446	E-11-4	9/25/20	1.00
6416	E-9-1	9/30/20	1.00
72240	E-9-10	9/30/20	1.00
126259	W-12-5	10/2/20	1.00
7307	E-11-2	10/8/20	1.00
7308	E-11-2	10/8/20	1.00
7309	E-11-2	10/8/20	1.00
7531	E-11-2	10/8/20	1.00
7532	E-11-2	10/8/20	1.00
14316	E-11-2	10/8/20	1.00

TABLE 7-7

Manhole Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
14317	E-11-2	10/8/20	1.00
37278	E-11-2	10/8/20	1.00
138038	W-13-2	10/9/20	1.00
6256	E-9-7	10/12/20	1.00
7298	E-11-1	10/12/20	1.00
7336	E-11-4	10/12/20	1.00
9503	E-11-2	10/13/20	1.00
280696	E-11-2	10/13/20	1.00
15051	W-12-5	10/14/20	1.00
284437	E-9-15	10/21/20	1.00
284438	E-9-15	10/21/20	1.00
284439	E-9-15	10/21/20	1.00
284440	E-9-15	10/21/20	1.00
284441	E-9-15	10/21/20	1.00
73818	E-10-3	10/30/20	1.00
76250	E-10-3	10/30/20	1.00
284338	E-10-3	10/30/20	1.00
5652	E-10-2	10/31/20	3.00
5654	E-10-2	10/31/20	2.00
5679	E-10-2	10/31/20	2.00
5681	E-10-2	10/31/20	1.00
5683	E-10-2	10/31/20	2.00
5723	E-10-2	10/31/20	2.00
5741	E-10-3	10/31/20	2.00
5746	E-10-1	10/31/20	3.00
5747	E-10-1	10/31/20	2.00
5749	E-10-1	10/31/20	3.00
5775	E-10-3	10/31/20	3.00
5776	E-10-3	10/31/20	3.00
5778	E-10-3	10/31/20	2.00
5779	E-10-3	10/31/20	3.00
5796	E-10-3	10/31/20	2.00
5800	E-10-3	10/31/20	2.00
4453	E-10-1	11/3/20	1.00
5442	E-10-3	11/3/20	1.00
5443	E-10-3	11/3/20	1.00
5634	E-10-2	11/3/20	1.00
5637	E-10-2	11/3/20	1.00
5638	E-10-2	11/3/20	1.00
5641	E-10-2	11/3/20	1.00
99093	E-10-2	11/3/20	1.00
168087	E-10-2	11/3/20	1.00
280711	E-10-3	11/3/20	1.00
5629	E-10-2	11/4/20	1.00
15122	E-10-3	11/4/20	1.00
282454	E-10-3	11/4/20	1.00
5648	E-10-2	11/9/20	1.00
6567	E-6-6	11/9/20	1.00
284129	E-6-10	11/9/20	1.00
284235	E-6-5	11/9/20	1.00
284249	E-6-4	11/9/20	1.00
284483	E-9-7	12/2/20	1.00
283402	E-6-8	12/15/20	2.00
7092	E-9-11	12/22/20	1.00
7095	E-9-11	12/22/20	1.00
7096	E-9-11	12/22/20	1.00
7323	E-11-3	12/22/20	1.00
7360	E-11-6	12/22/20	2.00
7363	E-11-6	12/22/20	2.00
7389	E-11-4	12/22/20	1.00

TABLE 7-7

Manhole Inspections

July 1, 2020 through December 31, 2020 Reporting Period

Manhole Facility ID #	Sub-Basin	Date	Rating
7402	E-11-4	12/22/20	1.00
7416	E-11-4	12/22/20	1.00
7431	E-11-5	12/22/20	2.00
7452	E-11-5	12/22/20	1.00
7501	E-11-5	12/22/20	2.00
280688	E-11-2	12/22/20	2.00
6350	E-9-1	12/23/20	1.00
7072	E-9-11	12/28/20	1.00
7073	E-9-11	12/28/20	1.00
7083	E-9-11	12/28/20	1.00
7086	E-9-11	12/28/20	1.00
7099	E-9-11	12/28/20	1.00
7177	E-9-12	12/28/20	1.00
4344	E-11-3	12/28/20	1.00
4388	E-11-2	12/28/20	2.00
83235	E-11-6	12/28/20	1.00
281397	E-11-2	12/28/20	1.00
281438	E-11-3	12/28/20	2.00
284432	E-11-2	12/28/20	1.00
281403	E-11-2	12/28/20	2.00
281414	E-11-2	12/28/20	2.00
281418	E-11-2	12/28/20	1.00
4343	E-11-3	12/28/20	1.00
6064	E-9-3	12/29/20	1.00
7065	E-9-11	12/29/20	1.00
7067	E-9-11	12/29/20	1.00
7253	E-9-9	12/29/20	1.00
281390	E-11-2	12/29/20	1.00
7506	E-11-5	12/29/20	1.00
83068	E-11-5	12/29/20	1.00
82192	E-11-8	12/29/20	1.00
12719	E-11-8	12/29/20	1.00
4387	E-11-2	12/29/20	2.00
281953	E-11-3	12/29/20	2.00
133578	E-11-3	12/29/20	1.00
Total Manholes Inspected			455

* Total includes 8 inspections that were not included in previous SAR

TABLE 11-1
SSRMP Capacity Related SSO Release Locations
July 1, 2020 through December 31, 2020 Reporting Period

System	Sewershed	Start Date	End Date	SSO Group	Address	Upstream Manhole	Downstream Manhole	Sewer Segment	Duration Hrs.	Volume Gallons	Precipitation (in)
E	SSS	10/29/2020 4:00 AM	10/30/2020 3:00 AM	Lincoln Avenue	6601 E Oak Street	5840	5841	22948	5.75	34,500	5.72
W	SSS	11/25/2020 5:15 AM	11/25/2020 10:45 AM	711 W Mill Road	711 W Mill Road	280751	3786	27329	5.5	33,000	2.02
W	SSS	10/29/2020 2:45 AM	10/29/2020 8:00 AM	711 W Mill Road	711 W Mill Road	280751	3786	27329	5.25	69,000	5.72
W	SSS	7/31/2020 6:15 PM	8/3/2020 9:00 PM	711 W Mill Road	711 W Mill Road	280751	3786	27329	11.25	67,500	6.72
W	CSS	12/30/2020 10:30 PM	12/31/2020 3:30 AM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	5	30,000	0.97
W	CSS	11/25/2020 5:00 AM	12/4/2020 10:30 AM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	36	432,000	2.02
W	CSS	10/19/2020 8:00 AM	10/20/2020 3:00 AM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	19	69,000	1.87
W	CSS	9/3/2020 6:30 AM	9/3/2020 10:30 AM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	4	48,000	0.76
W	CSS	9/2/2020 2:15 AM	9/2/2020 4:00 AM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	5	21,000	1.13
W	CSS	8/27/2020 4:30 PM	8/27/2020 9:30 PM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	5	60,000	1.20
W	CSS	7/31/2020 7:30 PM	8/4/2020 9:00 PM	Tekoppel / West WWTP	900 S Tekoppel Avenue	11298	8420	23658	29	348,000	6.72

TABLE 12-1

Decree Deliverables Listing

July 1, 2020 through December 31, 2020 Reporting Period

Deliverable	Date Due	Submitted to Agencies	Agency Review Status	Date Comments Received	Date Comment Response Submitted
2009 Combined Sewer Overflow Operation Plan Update	1-Nov-2009	1-Nov-2009	No comments received	-	-
2010 Combined Sewer Overflow Operation Plan Update	1-Nov-2010	1-Nov-2010	No comments received	-	-
1 Submit SSES Work Plan	30-Nov-2010	30-Nov-2010	No comments received	-	-
2 Submit SORP 1.0	1-Dec-2010	1-Dec-2010	Provided comments	3-Mar-2011	1-Apr-2011
3 Submit Public and Regulatory Participation Plan	31-Dec-2010	31-Dec-2010	No comments received	-	-
4 Submit 7th Ave Pump Station Wet Weather Operating Plan (Consent Decree paragraph 20.a)	31-Jan-2011	31-Jan-2011	Provided comments	15-Apr-2011	16-May-2011
5 Submit Capacity Assessment Work Plan including approach for determining Critical Storm Duration	30-Apr-2011	30-Apr-2011	Provided comments	29-Jul-2011	29-Aug-2011
6 Install baffles in the secondary treatment system clarifiers a the West WWTP (Consent Decree paragraph 20.b)	30-Apr-2011	30-Apr-2011	No comments received	-	-
7 Submit CMOM 2.0	1-May-2011	1-May-2011	Provided comments	28-Jul-2011	29-Aug-2011
8 Submit SORP 2.0	1-May-2011	1-May-2011	Provided comments	29-Jul-2011	29-Aug-2011
9 Utilize Data System for Tracking Operating and Maintenance Activities	31-Jul-2011	31-Jul-2011	No comments received	-	-
10 Complete Water Quality Data Review and submit SRCER Update, including the Water Quality Model of Pigeon Creek and the Ohio River.(GC)	31-Aug-2011	31-Aug-2011	No comments received	-	-
Submit Semi-Annual Report (SAR) 2011-1	1-Sep-2011	1-Sep-2011	No comments received	-	-
2011 Combined Sewer Overflow Operation Plan Update	1-Nov-2011	1-Nov-2011	No comments received	-	-
11 Submit report on capacity of clarifiers	1-Nov-2011	1-Nov-2011	No comments received	-	-
12 Submit report evaluating the effectiveness of step feed and/or contact stabilization in the secondary aeration basins to maximize wet weather flow through the secondary treatment at East WWTP and West WWTP.(Consent Decree paragraph 19.a and 20.c)	1-Nov-2011	1-Nov-2011	No comments received	-	-
13 Submit stress test protocols that will identify the proposed revision to the Maximum Treatable Flow of the East WWTP and West WWTP. (Consent Decree paragraph 19.d and 20.d)	1-Nov-2011	1-Nov-2011	Provided comments	15-Mar-2012	22-Mar-2012
14 Complete Trunk Sewer Survey and Condition Assessment.	30-Nov-2011	30-Nov-2011	Letter acknowledged completion	24-Jan-2012	NA
15 Submit Update to West CSS and East CSS characterization and hydraulic model including development of SSS Hydraulic model.	30-Nov-2011	30-Nov-2011	No comments received	-	-
16 Submit Critical Storm Duration Analysis	31-Dec-2011	30-Dec-2011	No comments received	-	-
17 Submit Revised Financial Analysis	31-Jan-2012	7-Feb-2012	Provided comments	23-Mar-2012	9-Apr-2012
18 Submit CSO Alternative Analysis Screening Report.	31-Jan-2012	31-Jan-2012	No comments received	-	-
Submit CMOM 2.1	29-Feb-2012	29-Feb-2012	No comments received	-	-
19 Install East WWTP Early Action Upgrades including a second bar screen and fourth influent pump. (Consent Decree paragraph 19.b and c)	1-Mar-2012	29-Feb-2012	No comments received	-	-
Submit SAR 2011-2	1-Mar-2012	1-Mar-2012	No comments received	-	-
20 Submit SSA Report including SSES Report, and Capacity Assessment	31-Mar-2012	30-Mar-2012	Provided comments	24-May-2012	11-Jul-2012
21 Conduct a stress test of East and West WWTP and identify revised Maximum Treatable Flow. (Consent Decree paragraph 19.d and 20.d)	31-Jul-2012	31-Jul-2012	No comments received	-	-
22 Implement revised Maximum Treatable Flow operations at the East and West WWTP. (Consent Decree paragraph 19.e, 20.e)	31-Jul-2012	31-Jul-2012	No comments received	-	-
23 Submit the Draft IOCP to Plaintiffs and to Public, including but not limited to CSO/SSS Capacity Alternatives Analysis; the Alternatives Analysis for the LTCP; the Alternatives Analysis for the SSRMP; the Facility Plans for Expansions of the East and West WWTPs; and proposed Implementation Schedules for the SSRMP, LTCP	31-Jul-2012				
23 Volume 1 - Integrated Overflow Control Plan	31-Jul-2012	31-Jul-2012	No comments received	-	-
23 Volume 2 - Long Term Control Plan	31-Jul-2012	31-Jul-2012	Provided comments	13-Sep-2012	19-Oct-2012
23 Volume 3 - Separate Sanitary Sewer Remedial Measures Plan	31-Jul-2012	31-Jul-2012	Provided comments	26-Oct-2012	4-Jan-2013
23 Volume 4 - Facility Plan for the West and East WWTPs	31-Jul-2012	31-Jul-2012	Provided comments	19-Oct-2012	13-Nov-2012
23 Revised Financial Capability Assessment	31-Jul-2012	31-Jul-2012	Provided comments	1-Feb-2013	In Discussion
Submit SAR 2012-1	1-Sep-2012	31-Aug-2012	No comments received	-	-
EPA Conference Call, EWSU received control measure spreadsheet	5-Oct-2012				
23 ^a EWSU submitted LTCP comment response (Technical Meeting 1 focused on many of the comments/responses)		19-Oct-2012			
Technical Meeting 1 and Meeting Follow up	24-Oct-2012				
EWSU provided Pigeon Creek Interceptor multi-sensor evaluation		25-Oct-2012			
EWSU provided Bee Slough alternatives evaluation information (alternatives, costs, figures)		25-Oct-2012			
EWSU provided vertical treatment unit information		25-Oct-2012			
EWSU provided Figure 1 - Evansville CSO Volumes in pdf format		27-Oct-2012			
EWSU provided cost performance tables in EPA format		27-Oct-2012			
24 Revise the West WWTP and the East WWTP Maximum Treatable Flow designations in CSOOP. (Consent Decree paragraph. 19.e and 20.e)	1-Nov-2012	1-Nov-2012	No comments received	-	-
2012 Combined Sewer Overflow Operation Plan Update	1-Nov-2012	1-Nov-2012	No comments received	-	-
23 ^a 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, 2020 through December 31, 2020 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 correspondence received from EPA, listing alternatives and levels of control EWSU should evaluate		15-Mar-2013			31-May-2013
	Technical Meeting 5 and Meeting Follow up		20-Mar-2013			
	EWSU provided Typical Year Rainfall and 2-YR 24-HR Design Storm Comparison for West Sewer System Model TM		29-Mar-2013	Additional graphs requested	3-Apr-2013	10-Apr-2013
	EWSU provided Bee Slough Alternatives Analysis Draft Report, including wetland analysis		29-Mar-2013	No comments received	-	-
	Technical Meeting 6 and Meeting Follow up		24-Apr-2013			
	Identifying SSOs Included in the SSRMP TM		10-May-2013	No comments received	-	-
26	Submit Final IOCP, including Post-Construction Monitoring Plan	31-May-2013	31-May-2013			
	USEPA Additional Information Request 1				19-Jul-2013	7-Aug-2013
	Submit SAR 2013-1	1-Sep-2013	31-Aug-2013	No comments received		
	USEPA Additional Information Request 2				6-Sep-2013	17-Sep-2013
	2013 Combined Sewer Overflow Operation Plan Update	1-Nov-2013	1-Nov-2013	No comments received		
	USEPA Additional Information Request 3 - SSRMP				13-Nov-2013	10-Dec-2013
	USEPA Additional Information Request 4 - Wetlands & Sewer Separation				26-Nov-2013	20-Dec-2013
	EWSU submitted request for approval of certain early action projects, including Proposed Early Action Projects TM		26-Nov-2013	Certain approvals received	6-Dec-2013	
	USEPA Additional Information Request 5 - Wetlands				5-Dec-2013	20-Dec-2013
	USEPA Additional Information Request 6 - Post Construction Flow Monitoring				4-Feb-2014	20-Mar-2014
	USEPA Additional Information Request 7 - Green Infrastructure Planning and Recommendations				4-Feb-2014	20-Mar-2014
	Teleconference with UPEPA and IDEM regarding early action projects		29-Jan-2014			
	Submit CMOM 3.1		14-Feb-2014	No comments received		
	Submit SAR 2013-2	1-Mar-2014	1-Mar-2014	No comments received		
	Hydraulic and Operations Analysis of the Bee Slough Control Measure TM		18-Apr-2014		8-May-2014	16-May-2014
	Teleconference with USEPA and IDEM regarding Wetlands Additional Modeling TM		8-May-2014			
	Submit SAR 2014-1	1-Sep-2014	1-Sep-2014	No comments received		
	2014 Combined Sewer Overflow Operation Plan Update	1-Nov-2014	1-Nov-2014	No comments received		
	Non IOCP Capital Projects List		21-Jan-2015			
	Submit SAR 2014-2	1-Mar-2015	1-Mar-2015	No comments received		
	Tunnel Cost Analysis		19-Apr-2015			
	Response to EPA Questions regarding tunnel option (Ryan Bahr)		19-Apr-2015			
	Revised IOCP Volume I Section 5		30-Apr-2015			
	Wetland Operations Modeling Analysis		30-May-2015			
	25-year Cost Performance and Financial Analysis		30-May-2015			
	Wetland Performance Assessment		4-Jun-2015			
	Conceptual Wetland Monitoring Draft Plan		4-Jun-2015			
	Pigeon Creek Interceptor Optimization Technical Memorandum		30-Jun-2015			

TABLE 12-1

Decree Deliverables Listing

July 1, 2020 through December 31, 2020 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		
Submit SAR 2019-2	28-Feb-2019	1-Mar-2019	No comments received		
Submit SAR 2020-1	1-Sep-2020	1-Sep-2020	No comments received		
2020 Combined Sewer Overflow Operation Plan Update	1-Nov-2020	1-Nov-2020	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, 2020 through December 31, 2020 Reporting Period and preceding 4.5 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	-	12/6/2017	12/31/2018	229,032.25
S0001	West	Lift Station	Design and Construction of Cantex conversion to submersible pumps at the Beverly Heights lift station	-	11/20/2018	12/31/2018	2,448.22
S0001	West	Lift Station	Design and Construction of Cantex conversion to submersible pumps at the Beverly Heights lift station	342,000.00	8/17/2017		64,715.40
S0002	East	CSO	Design and Construction of CASS CSO flow monitoring improvements and pipe extention	-	12/14/2018		169,132.73
S0002	East	CSO	Design and Construction of CASS CSO flow monitoring improvements and pipe extention	1,200,000.00	2/16/2017	12/31/2018	1,269.89
S0003	East	Lift Station	Design and Construction of lift station improvements for the Cross Point lift station	625,000.00	12/11/2018	12/31/2019	266,998.38
S0004	East	Lift Station	Design and Construction of a new force main for the Eagles lift station replacement	-	12/6/2017		686,055.52
S0004	East	Lift Station	Design and Construction of a new force main for the Eagles lift station replacement	-	11/6/2017	12/31/2018	40,051.06
S0004	East	Lift Station	Design and Construction of a new force main for the Eagles lift station replacement	-	2/20/2018	NING CONSTRUC	5,112.72
S0004	East	Lift Station	Design and Construction of a new force main for the Eagles lift station replacement	-	5/10/2018		44,340.02
S0004	East	Lift Station	Design and Construction of a new force main for the Eagles lift station replacement	1,092,000.00	12/16/2016	12/31/2018	102,553.87
S0006	East	Lift Station	Design and Construction of the replacement and upgrade of the Indian Woods lift station	293,000.00	2/21/2018		33,632.85
S0007	East	Lift Station	Design and Construction of lift station rehabilitation of the Junior Warfield lift station and driveway approach	455,000.00	4/19/2018		15,925.50
S0008	West	Lift Station	Design and Construction of a new Key West lift station	1,090,000.00	5/3/2018		168,100.55
S0009	West	Lift Station	Design and Construction of lift station improvements for the North Park lift station replacement	-	6/20/2018	12/31/2018	340,957.31
S0009	West	Lift Station	Design and Construction of lift station improvements for the North Park lift station replacement	293,000.00	2/9/2017	1/31/2019	217,373.75
S0010	East	Lift Station	Construction to convert existing Oak Grove lift station from a Cantex to a submersible pump station	-	12/6/2017	12/31/2018	290,004.02
S0010	East	Lift Station	Construction to convert existing Oak Grove lift station from a Cantex to a submersible pump station	583,000.00	8/17/2017		64,715.40
S0012	West	West Treatment Plant	Odor Control Biofilter for Gravity Belt Thickener Building	-	6/20/2018	12/31/2019	353,447.00
S0012	West	West Treatment Plant	Odor Control Biofilter for Gravity Belt Thickener Building	250,000.00	11/6/2017	7/31/2019	153,633.38
S0015	All	Collection	Study to inspect, evaluate, and prioritize all sanitary sewer siphons	145,000.00	2/13/2018	12/31/2018	139,151.84
S0018	East	Lift Station	Design and Construction of lift station improvements at Regal Eight lift station	-	6/11/2018	7/31/2019	182,455.29
S0018	East	Lift Station	Design and Construction of lift station improvements at Regal Eight lift station	269,000.00	8/18/2017		40,691.30
S0019	All	Lift Station	Annual SCADA upgrades and Project Programming / Integration required	-	6/2/2016	12/31/2018	6,142.09
S0019	All	Lift Station	Annual SCADA upgrades and Project Programming / Integration required	-	6/15/2016	12/31/2018	1,178.34
S0019	All	Lift Station	Annual SCADA upgrades and Project Programming / Integration required	300,000.00	2/3/2016	12/31/2016	195,608.98
S0022	East	Lift Station	Design and Construction of Cantex lift station conversion to submersible pumps at Twickingham lift station	-	9/28/2017		157,911.25
S0022	East	Lift Station	Design and Construction of Cantex lift station conversion to submersible pumps at Twickingham lift station	390,000.00	12/15/2016	12/31/2018	83,465.70
S0023	East	Lift Station	Design and Construction of lift station improvements at the Wazny Way lift station and CMOM 3.0 requirements	-	11/20/2018	12/31/2018	4,887.16
S0023	East	Lift Station	Design and Construction of lift station improvements at the Wazny Way lift station and CMOM 3.0 requirements	-	12/13/2017	12/31/2018	217,138.95
S0023	East	Lift Station	Design and Construction of lift station improvements at the Wazny Way lift station and CMOM 3.0 requirements	402,000.00	8/18/2017		40,691.30
S0024	All	Vehicles	Replacement Vehicle #548-2000 - Engineering PM Pool Vehicle SUV	24,800.00	2/16/2016	5/20/2016	23,075.81
S0027	All	Vehicles	Replacement Vehicle #524-2006 4x4 SUV	26,200.00	2/16/2016	5/27/2016	23,075.81
S0028	All	Vehicles	Replacement Vehicle #526-1999 SUV	35,000.00	2/16/2016	4/18/2016	23,075.81

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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)
S0029	All	Vehicles	Replacement Vehicle #533-2006 Crew Van	36,000.00	2/16/2016	5/27/2016	23,075.81
S0030	All	Vehicles	Replacement Vehicle #534-1996 Pickup F-350	40,000.00	2/25/2016	6/7/2016	29,049.99
S0031	All	Vehicles	Replacement Vehicle #545-2002 Pickup F-250	32,000.00	2/25/2016	6/7/2016	29,049.99
S0033	All	Equipment	Replace Water Planning Generator #277	10,000.00	7/14/2016	7/14/2016	6,047.14
S0034	All	Equipment	Replace CCTV Camera #277	21,000.00	6/25/2018	12/31/2018	52,418.47
S0035	All	Equipment	Replace CCTV Reel 8, Cable #277	22,000.00	6/25/2018	12/31/2018	6,940.36
S0039	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	2/25/2016	12/31/2018	65,699.29
S0039	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	12/15/2016	12/31/2018	16,968.09
S0039	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	2/5/2016	12/31/2018	7,923.35
S0039	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	4/12/2016	12/31/2018	4,292.10
S0039	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	8/12/2016	12/31/2018	7,146.63
S0039	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	12/14/2016	12/31/2018	32,561.44
S0039	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	156,000.00	2/1/2016	7/5/2016	2,840.78
S0041	East	Lift Station	Design and Construction of Greencove lift station replacement	342,000.00	12/10/2018	6/30/2019	254,874.82
S0043	All	Lift Station	Air Release Valve Replacement Program	-	4/18/2017	12/31/2018	3,891.54
S0043	All	Lift Station	Air Release Valve Replacement Program	-	5/27/2016	12/31/2018	14,259.97
S0043	All	Lift Station	Air Release Valve Replacement Program	-	8/29/2016	12/31/2018	2,380.25
S0043	All	Lift Station	Air Release Valve Replacement Program	-	8/31/2016	12/31/2018	2,957.11
S0043	All	Lift Station	Air Release Valve Replacement Program	-	12/11/2017	7/31/2018	122,463.83
S0043	All	Lift Station	Air Release Valve Replacement Program	-	6/8/2017	12/31/2018	2,446.39
S0043	All	Lift Station	Air Release Valve Replacement Program	300,000.00	2/11/2016	12/31/2017	722.71
S0045	East	East Treatment Plant	1.2.7.1.2 Replace Secondary Blower Building Roof	20,000.00	8/25/2016	12/31/2016	24,067.58
S0046	East	East Treatment Plant	1.2.14.7.1 Polymer Feed System	-	5/3/2017	12/31/2018	924.26
S0046	East	East Treatment Plant	1.2.14.7.1 Polymer Feed System	-	6/5/2017	12/31/2018	154.04
S0046	East	East Treatment Plant	1.2.14.7.1 Polymer Feed System	150,000.00	4/18/2017	12/31/2017	788.50
S0047	East	East Treatment Plant	1.2.18.2 Sludge Building Roof	-	8/25/2016	12/31/2018	79,007.65
S0047	East	East Treatment Plant	1.2.18.2 Sludge Building Roof	-	9/28/2016	12/31/2018	209,223.97
S0047	East	East Treatment Plant	1.2.18.2 Sludge Building Roof	300,000.00	8/25/2016	9/28/2016	51,159.57
S0050	West	West Treatment Plant	1.1.14.7.1 Polymer Feed System	150,000.00	9/11/2017	12/31/2018	40,426.54
S0051	All	Collection	On Call Realtor Contract for opinion costs related to easement needs	10,000.00	5/25/2016	12/31/2018	229,901.14
S0054	West	Lift Station	Design and Construction of a new Pfeiffer Road lift station relocated to the Wansford Yard property	27,000,000.00	6/1/2018	ONGOING CONSTRUCTION	665,993.43
S0055	All	Vehicles	Replacement Vehicle #547-2006 Pickup	46,000.00	11/22/2016	2/22/2017	27,639.52
S0056	All	Vehicles	Replacement Vehicle #550-1999 4-Dr Sedan	25,500.00	11/22/2016	2/6/2017	27,639.52
S0057	All	Vehicles	Replacement Vehicle #551-1999 Pickup	25,500.00	11/22/2016	2/13/2017	27,639.52

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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)
S0058	All	Equipment	Replacement Vac Truck #584-2004 Sterling Truck Vac Truck	232,000.00	3/3/2017	6/19/2017	300,864.36
S0059	All	Equipment	Sewer Line Rapid Assessment Tool SL-RAT	22,000.00	7/20/2016	9/12/2016	22,584.84
S0060	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	12/6/2017	12/31/2018	7,287.18
S0060	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	12/11/2017	12/31/2018	9,314.76
S0060	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	10/2/2017	12/31/2018	13,260.18
S0060	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	-	11/15/2017	12/31/2018	18,441.52
S0060	All	Lift Station	10-yr lift station pump replacement cycle with 20-yr station rehab/replace cycle built in	156,000.00	8/2/2017	12/31/2017	20,358.46
S0062	West	Lift Station	Design and Construction of Tonia Court lift station equipment rehabilitation and CMOM 3.0 requirements	171,000.00	2/22/2019		517,031.97
S0065	West	West Treatment Plant	1.1.22.1 Paving	250,000.00	12/5/2016	12/31/2017	447,719.15
S0066	West	West Treatment Plant	1.1.22.2 Fencing	125,000.00	8/15/2017	12/31/2017	472.24
S0067	All	Collection	On Call Realtor Contract for opinion costs related to easement needs	10,000.00	5/25/2016	12/31/2018	229,901.14
S0072	All	Equipment	Replacement Vehicle #501-2014 Construction Backhoe Case 590SM III	103,000.00	5/3/2018	5/31/2018	63,471.60
S0074	All	Equipment	Replacement Equipment Excavator 290	238,000.00	7/23/2018	12/31/2018	158,409.59
S0081	All	Vehicles	Replacement Vehicle #570-1996 CCTV Van	152,000.00	3/21/2019	12/31/2019	305,751.98
S0085	West	Lift Station	New Proposed Creamery Road Lift Station, Regional lift station along University parkway	-	11/29/2017	12/31/2018	14,537.77
S0085	West	Lift Station	New Proposed Creamery Road Lift Station, Regional lift station along University parkway - Interlocal Agreement	-	1/16/2019	12/31/2020	588,046.33
S0109	All	Equipment	Replacement Vac Truck 4587-2014 Vactor	264,000.00	6/25/2018	12/31/2018	392,549.51
S0123	All	Equipment	Replacement Vehicle 4501-2018 Construction Backhoe Case 590SM III	103,000.00	1/30/2020	6/30/2020	75,432.61
S0194	All	Equipment	Replacement Vac Truck #586-2020 Vactor	172,000.00	5/1/2020	12/31/2020	226,792.82
S0242	West	West Treatment Plant	1.1.17.2.1 VFD#1 - CCM 2019.05.09	20,000.00	5/15/2019	5/30/2019	25,642.13
S0289	West	West Treatment Plant	1.1.19.1 Generator and Transfer Switch	-	12/6/2017	12/31/2018	28,765.52
S0289	West	West Treatment Plant	1.1.19.1 Generator and Transfer Switch	300,000.00	10/18/2017	2/8/2018	32,459.65
S0318	All	Equipment	Replacement Vac Truck #586-2026 Vactor	172,000.00	5/1/2020	12/31/2020	226,792.82
S0448	West	Lift Station	Design and Construction of Locust Tree Lane lift station equipment rehabilitation	-	12/16/2016	12/31/2018	238,975.57
S0448	West	Lift Station	Design and Construction of Locust Tree Lane lift station equipment rehabilitation	135,000.00	5/25/2016	12/31/2018	44,540.29
S0449	West	Lift Station	Design and Construction of North Park lift station equipment rehabilitation	147,000.00	5/25/2016	12/31/2018	44,540.29
S0454	East	Lift Station	Design and Construction of Twickingham lift station equipment rehabilitation	195,000.00	10/27/2017	12/31/2019	39,954.61
S0488	East	Lift Station	Design and Construction of Chickasaw lift station equipment rehabilitation	-	11/20/2018	12/31/2018	2,304.98
S0488	East	Lift Station	Design and Construction of Chickasaw lift station equipment rehabilitation	201,000.00	9/28/2017	12/31/2018	373,052.38
S0493	West	Lift Station	Design and Construction of Tonia Court lift station replacement - Includes Busler LS	342,000.00	6/20/2018		148,338.35
S0493	West	Lift Station	BUSLER LIFT STATION ELIMINATION	-	11/21/2019	6/30/2020	324,073.15
S0515	East	Lift Station	Design and Construction of Lakeside Terrace lift station replacement	303,000.00	2/21/2018		45,408.54
S0517	East	Lift Station	Design and Construction of Valley Downs lift station replacement - Includes Greencove & Mystic Creek	-	4/19/2018	12/31/2018	117,980.40
S0517	East	Lift Station	Design and Construction of Valley Downs lift station replacement - Includes Greencove & Mystic Creek	463,000.00	12/10/2018	6/30/2020	430,256.86

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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)
S0632	East	Lift Station	Design and Construction of Carriage House lift station equipment rehabilitation	201,000.00	4/16/2018	12/31/2018	16,727.62
S0633	East	Lift Station	Design and Construction of Chickasaw lift station replacement	402,000.00	10/27/2017	12/31/2019	39,954.61
S0635	East	Lift Station	Design and Construction of Plaza Drive lift station replacement	-	2/24/2017	12/31/2018	177.15
S0665	West	Lift Station	Design and Construction of Daylight South lift station equipment rehabilitation	1,077,000.00	7/9/2019		112,242.47
S0700	East	Lift Station	Design and Construction of Airport lift station resized for load - Includes Crosspoint LS	342,000.00	6/1/2018		36,186.78
S1000	All	Collection	2017 Manhole Installation Project #2	-	5/30/2017	12/31/2018	772,425.72
S1001	East	Equipment	Kubota ZD11211-60 Mower CCM 2019.01.31	-	6/3/2019	6/30/2019	12,753.70
S1005	All	Lining	Collection System Lining - Annual Large Diameter Lining (Acct 444064)	-	3/15/2017	12/31/2018	1,114,915.25
S1005	All	Lining	Collection System Lining - Annual Large Diameter Lining (Acct 444064)	-	12/14/2017	7/31/2019	986,638.25
S1006	All	Lining	Collection System Lining - Annual Large Diameter Lining (Acct 444064)	-	10/22/2018	6/30/2020	1,205,417.77
S1012	Lift Station	Collection	Cross Point Lift Station 6" Force Main Bypass	-	10/2/2017	11/30/2017	18,945.31
S1013	West	Lift Station	Design to extend sanitary sewer and eliminate need for Oak Meadow #3 Lift Station - Includes Frisse, Hawthorne, Browning R	-	4/19/2018		87,353.85
S1019	All	Equipment	Purchase new Trailer for bigger Mini Excavator	-	12/11/2017	1/31/2018	5,271.14
S1020	Plants	Equipment	Replacement of small New Holland Tractor	-	12/6/2017	1/31/2018	28,348.64
S1021	Plants	Equipment	Waste Treatment Plants Secondary Clarifier Rehabilitation	-	4/19/2018		110,845.32
S1021	Plants	Equipment	Waste Treatment Plants Secondary Clarifier Rehabilitation	-	10/20/2017	12/31/2018	103,015.96
S1022	All	Equipment	Solar Panel Installations - Allens Lane	-	11/7/2017	1/31/2019	152,582.51
S1022	All	Equipment	Solar Panel Installations - Allens Lane	-	4/21/2017	1/31/2019	6,613.80
S1023	All	Equipment	Solar Panel Installations - Millersburg Road	-	10/23/2017	3/31/2018	113,084.56
S1023	All	Equipment	Solar Panel Installations - Millersburg Road	-	4/21/2017		15,759.95
S1028	West Plant	Equipment	West Secondary Building Rehabilitation Project	-	10/5/2017	12/31/2019	2,479,427.13
S1029	West Plant	Equipment	West Wastewater Treatment Plant Secondary Control Building Improvements	-	9/28/2017	12/31/2019	160,186.02
S1030	All	Plants	Biosolids Management Plan - Phase II	-	11/6/2017	6/25/2018	95,400.48
S1031	All	Plants	Biosolids Management Plan - Phase 1	-	3/5/2018		93,566.80
S1034	All	Collection	Florence Street Sewer Replacement	-	9/19/2019	1/31/2020	105,262.06
S1036	Plants	Equipment	East-West Secondary Clarifier Rehabilitation Project - Clarifier Equipment from Evoqua and Nefco	-	2/26/2018	12/31/2018	109,888.99
S1036	Plants	Equipment	East-West Secondary Clarifier Rehabilitation Project - Clarifier Equipment from Evoqua and Nefco	-		7/31/2019	222,984.81
S1037	All	Equipment	Atlas JSV-6000 Crew Diesel ATV for Easement and Offroad Sewer Inspections	-	4/19/2018	12/31/2018	17,279.02
S1038	All	Equipment	CUES "Truck in a Box" for Easement and Offroad Sewer Inspections (Includes Trailer)	-	4/19/2018	12/31/2018	134,702.03
S1039	All	Equipment	CUES Mudmaster for Large Diameter Sewer Inspection	-	5/31/2018	5/24/2018	36,533.74
S1040	Plants	Equipment	Waste Treatment Plants Secondary Clarifier Rehabilitation	-	6/1/2018	6/30/2020	1,565,322.12
S1041	All	Collection	Hydraulic Units (For Interceptor and Outfall Gates) at Baker, Delaware, and Dresden Street CSO Structures	-	6/11/2018	12/31/2018	62,410.03
S1042	Lift Station	Collection	Cross Point Lift Station Remove/Replace all Piping and Pumps	-	5/3/2018	12/31/2018	99,220.59
S1043	All	Equipment	PR16 Series 72" Powered Rake	-	7/23/2018	5/31/2018	5,759.67

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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)
S1044	West	West Treatment Plant	(2) Aerzen Blowers due to Heavy Silt Concentration	-	4/26/2018	12/31/2018	16,366.24
S1045	All	Collection	Florence and 6th Reconstruction Project	-	5/9/2018		13,163.64
S1046	All	Collection	Non-IOCP Construction Engineering Services and Resident Project Representation	-	5/3/2018		259,652.64
S1047	All	Equipment	(2) Kleen Sight Camera Nozzles	-	5/2/2018	5/31/2018	48,297.64
S1047	All	Equipment	Kleen Site Camera	-	12/11/2017	5/31/2018	25,027.10
S1048	West	West Treatment Plant	119 HP BAF Influent Pump #1 CCM 2018.06.07	-	6/11/2018	7/31/2019	21,763.35
S1049	All	Equipment	CUES Push Camera CCM 2018.06.07	-	6/11/2018	7/31/2018	11,147.75
S1050	All	Collection	Delaware Street 5th / 6th Avenue Re-Grouting of 450' of 60" Sewer.	-	6/25/2018	12/31/2019	110,037.62
S1051	All	Collection	Pump Rehabilitation & Repair - Eagles, Pfeiffer Road, and Daylight South Lift Stations. CCM 2018.06.21	-	6/25/2018	12/31/2018	17,977.95
S1052	All	Equipment	2007 Case 850 Dozer	-	6/25/2018	7/31/2018	39,946.12
S1054	All	Equipment	Western Star 4700 Chassis with Dump Body Triaxle Truck CCM 2018.08.02	-	8/8/2018	8/21/2018	135,896.70
S1055	All	Equipment	Agilent 5110 VDV ICP-OES Spectrophotmeter	-	8/8/2018	12/31/2018	100,398.83
S1057	Plants	East Treatment Plant	Methane Production Co-Generation Project	-	8/22/2018	12/31/2019	352,129.51
S1058	All	Collection	Riverside & Vann Lift Station Storm Sewer Rehab	-	5/31/2018	12/31/2018	223,884.06
S1059	Lift Station	Lift Station	7th Avenue Lift Station - Rebuild 235 HP Flygt Drywell Submersible Pump	-	10/19/2018	12/31/2018	35,110.16
S1060	Lift Station	Lift Station	Weinbach Lift Station - Replacement HVAC Air Handler	-	10/19/2018	7/31/2019	23,270.94
S1061	Lift Station	Lift Station	Greencove Lift Station Rehabilitation	-	11/1/2018	6/30/2020	4,485.49
S1062	All	Collection	Franklin Street 60" Sewer Repair	-	11/14/2018	12/31/2018	40,484.93
S1063	Lift Station	Equipment	Pfeiffer Road Lift Station - (2) Yaskawa Variable Frequency Drive	-	11/14/2018	7/31/2019	25,761.61
S1064	East	Lift Station	Design and Construction of Airport lift station resized for load - Includes Crosspoint LS	-	12/11/2018	7/31/2019	253,332.71
S1065	All	Collection	Allen's Lane & Kratzville Rd - (180') of Sanitary Sewer	-	12/10/2018	3/31/2019	113,920.76
S1066	Plants	Equipment	Secondary Clarifiers - Pipe Cleaning Equipment	-	12/10/2018	12/31/2018	35,202.23
S1067	West	West Treatment Plant	200 HP ABS Dry Pit Submersible Pump for BAF CCM 2019.01.31	-	2/4/2019	2/4/2019	31,401.17
S1068	West	West Treatment Plant	(2) Aerzen Blowers for BAF CCM 2019.01.31	-	2/4/2019	2/28/2019	16,414.46
S1069	Lift Station	Lift Station	7th Avenue Lift Station - Elevator Rehabilitation	-	3/4/2019	12/31/2020	38,126.39
S1070	Lift Station	Lift Station	7th Avenue Lift Station - Elevator Rehabilitation	-	1/15/2019	12/31/2019	778.59
S1071	All	Equipment	Replacement Vehicle #501-2038 Construction Backhoe Case 590SM III	-	3/4/2019	3/31/2019	100,814.44
S1072	Plants	Equipment	(3) 6712FR ISCO Refrigerated Wastewater Samplers CCM 2019.02.28	-	3/4/2019	3/31/2019	22,917.15
S1073	West	Lift Station	Browning Road Lift Station Elimination - CCM 2019.03.14	-	3/21/2019		65,564.81
S1074	West	Lift Station	Frisse Hawthorne Lift Station Elimination - CCM 2019.03.14	-	3/21/2019	1/31/2020	214,122.78
S1075	West	Lift Station	State Hospital Force Main under Walnut Street Design - CCM 2019.03.14	-	4/5/2019		72,351.67
S1076	All	Plants	Biosolids Management Plan - Phase III - CCM 2019.03.28	-	4/17/2019	6/30/2020	71,686.71
S1077	All	Collection	Akin Park Storm Sewer Project CES/RPR- CCM 2019.04.11	-	4/22/2019		311,460.01
S1078	All	Collection	Akin Park Storm Sewer Project DESIGN - CCM 2019.04.11	-	4/22/2019	12/31/2020	2,730,300.27

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S1079	East	Lift Station	Keystone Lift Station - (2) Myers 4" Non-Clog Submersible Pumps - CCM 2019.05.09	-	5/15/2019	6/30/2019	20,461.61
S1080	All	Collection	Ogden Drive Sewer Rehabilitation - CCM 2019.05.09	-	5/15/2019	12/31/2019	313,506.33
S1082	All	Equipment	MXC Multihog Articulated Tractor - CCM 2019.05.23	-	6/3/2019	12/31/2019	338,419.88
S1083	East	Equipment	Kubota Zero Radius Turn 60" Mower	-	6/3/2019	6/30/2019	5,388.89
S1084	All	Vehicles	Mark 3 Inspection Vehicle CCTV - CCM 2019.05.23	-	6/3/2019	6/30/2019	53,885.27
S1085	All	Equipment	iTracking Wireless Inflow & Infiltration Detection Monitors - CCM 2019.05.23	-	6/3/2019	7/30/2019	10,126.62
S1086	Plants	Equipment	Fairbanks Morse 100HP BAF Primary Influent Pump	-	6/10/2019		18,469.02
S1087	Plants	Equipment	2019 Case CX17C Mini Evacuator	-	6/10/2019		24,335.32
S1088	All	Equipment	NozzTeq Nozzles for Cleaning Large Diameter Pipes	-	6/10/2019		13,738.07
S1089	All	Collection	Replace 60" of twenty-four inch brick sewer on Second Street	-	6/10/2019	12/31/2019	74,546.30
S1090	East	East Treatment Plant	East WWTP Sludge Storage Building Project	-	7/1/2019	12/31/2019	640,826.91
S1091	All	Collection	Consulting Services related to expanding the capabilities of Sewer Rehabilitations	-	7/1/2019		68,218.54
S1092	All	Collection	Michigan & Franklin Corridor Repair	-	9/6/2019	6/30/2020	562,061.11
S1093	All	Collection	Evans & Michigan Corridor Repair	-	9/5/2019	1/31/2020	458,702.82
S1093	All	Collection	JOINT REP FRANKLIN, EVANS & MICHIGAN ST	-	1/30/2020	6/30/2020	37,594.85
S1093	All	Collection	MANHOLE REPAIR AT EVANS & MICHIGAN	-	4/6/2020	6/30/2020	87,130.69
S1093	All	Collection	CONTINUED BYPASS PUMPING AT EVANS & MICHIGAN ST	-	7/13/2020	6/30/2020	94,616.46
S1094	Lift Station	Lift Station	Mystic Creek Lift Station - Automation Enclosures	-	9/6/2019	12/31/2019	20,560.41
S1904	East	East Treatment Plant	Rebuild two Liebherr Generator Engines	-	9/18/2019	6/30/2020	89,518.62
S1906	Lift Station	Lift Station	7th Avenue Lift Station - Elevator Rehabilitation	-	9/18/2019	12/31/2020	58,797.27
S1907	All	Collection	Ravenswood-Bennighoff Sewer Repair	-	9/18/2019	12/31/2019	49,187.08
S1908	Plants	Equipment	PROMAG FLOW METER FOR EAST PLANT	-	1/15/2020	6/30/2020	4,555.48
S1908	Plants	Equipment	PROMAG MAGNETIC FLOW METERS	-	1/31/2020	6/30/2020	9,110.79
S1909	Plants	Equipment	MUFFIN MONSTER CUTTER CARTRIDGES	-	1/31/2020	6/30/2020	26,073.22
S1910	Plants	Treatment Plant	PHASE III ENERGY MGMT RESOURCE RECOVER STUDY -EB	-	2/19/2020		165,221.11
S1911	All	Collection	CEDAR STREET STREET SEWER REPAIR	-	1/31/2020	6/30/2020	85,396.08
S1912	All	Collection	ALLENS LANE POINT REPAIR	-	2/12/2020	6/30/2020	28,654.50
S1913	Lift Station	Lift Station	SVC-LS-BYPASS PUMPING @ PFEIFFER	-	8/12/2019	6/30/2020	116,212.59
S1913	Lift Station	Lift Station	NEW-LS-WORK ALLOWANCE PFEIFFER	-	8/12/2019	6/30/2020	190,297.29
S1914	All	Collection	HARTKE POOL SEWER REPAIR	-	2/12/2020	6/30/2020	35,154.78
S1915	All	Collection	USI BLUFF LANE SANITARY SEWER REPLACEMENT	-	2/20/2020		365,789.87
S1916	All	Collection	CSO CONTROL GATE OPERATOR REPLACEMENTS	-	3/10/2020		478,440.24
S1917	All	Collection	CONCRETE MANHOLE CASTINGS	-	3/13/2020	6/30/2020	13,236.04
S1918	Plants	Treatment Plant	EP-SECONDARY PUMP FOR CLARIFIERS	-	3/13/2020	6/30/2020	60,269.24

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S1919	Lift Station	Lift Station	HYDROMATIC PUMP FOR EASTLAND LS SUBMERSIBLE PUMP	-	3/13/2020	6/30/2020	7,165.54
S1920	Lift Station	Lift Station	WEINBACH LS PUMP REPAIR	-	3/13/2020	6/30/2020	9,692.14
S1921	Lift Station	Lift Station	STOCKWELL LS PUMP REPAIR	-	3/13/2020	6/30/2020	12,130.04
S1922	Plants	Treatment Plant	EAST PLANT PILOT STUDY	-	3/13/2020		27,380.54
S1923	Lift Station	Lift Station	RECONSTRUCTION OF KEYWEST LS	-	7/13/2020	6/30/2020	96,569.96
S1924	All	Collection	SEWER DEFECT REPAIRS	-	3/13/2020		167,127.50
S1925	All	Collection	POINT REPAIR LINING OF SEWERS	-	3/13/2020	12/31/2020	706,409.09
S1926	All	Collection	SEWER DEFECT REPAIRS	-	4/24/2020	12/31/2020	180,670.32
S1927	All	Collection	GROUT MANHOLE STRUCTURE AT 911 E. FRANKLIN STREET	-	3/13/2020	6/30/2020	18,427.11
S1928	All	Equipment	AQUA POWER JET NOZZLES & ACCESSORIES	-	3/17/2020	6/30/2020	40,986.64
S1929	All	Collection	MICHIGAN & EVANS SEWER REPLACEMENT - EB	-	3/23/2020		95,547.42
S1930	Lift Station	Lift Station	FACILITY RELOC BONNIEVIEW & OAK LIFT STATION REHAB	-	7/24/2019		-
S1931	All	Collection	CASS CSO SEWER EMERGENCY COLLAPSE	-	4/2/2020		1,472,547.92
S1932	All	Collection	TRINITY STORM WATER PARK	-	3/26/2020		817,301.47
S1933	Lift Station	Lift Station	REPAIR PUMP FOR KEYWEST LIFT STATION	-	4/6/2020	6/30/2020	6,069.06
S1934	Lift Station	Lift Station	REFURBISH MARTINS LANE LS	-	4/6/2020	6/30/2020	6,992.73
S1935	Lift Station	Lift Station	REPAIR PUMP FOR RIVERSIDE & VANN LIFT STATION	-	4/6/2020	6/30/2020	7,221.60
S1936	Plants	Collection	ADD COST TO FINISH FOG/SEPTIC CONTROLLER PROJECT	-	4/6/2020	6/30/2020	32,239.93
S1937	Plants	Collection	NEW-EP-CONTROLLERS FOG/SEPTIC	-	8/29/2019	6/30/2020	43,650.00
S1938	All	CSO	CSO HYDRAULIC REPLACEMENT	-	7/24/2019		71,531.90
S1939	All	CSO	CSO GATES HYDRAULIC UNITS	-	4/3/2020		-
S1940	All	CSO	CASS CSO SEWER EMERGENCY COLLAPSE - EB	-	4/6/2020		43,336.96
S1941	All	Collection	2020 CES/RPR SEWER NON IOCP	-	4/6/2020		9,547.78
S1942	All	Collection	SOUTH WEINBACH LINING	-	5/1/2020		1,656,889.29
S1943	West Plant	Treatment Plant	BUTTERFLY VALVES FOR WEST PLANT	-	4/23/2020	6/30/2020	77,121.45
S1944	West Plant	Treatment Plant	FLANGE COUPLING ADAPTERS FOR WEST PLANT	-	4/23/2020	6/30/2020	11,606.38
S1945	All	CSO	REPLACEMENT SYSTEM FOR CSO CANOPY	-	4/23/2020	6/30/2020	48,568.36
S1946	West Plant	Treatment Plant	10 ADDITIONAL HPR-31LIFT & SHIFT HYDRANT PRESSURE	-	5/21/2020	6/30/2020	9,536.84
S1947	Plants	Equipment	HYDRAULIC BREAKER FOR BACKHOE	-	4/23/2020	6/30/2020	10,067.69
S1948	All	Collection	SEWER LINING AT 3416 KENSINGTON	-	4/23/2020	6/30/2020	46,403.42
S1949	All	Collection	INSTALLATION OF MANHOLE AT 3105 N 1ST AVENUE	-	4/23/2020	6/30/2020	15,027.06
S1950	Lift Station	Lift Station	KEY WEST LS EMERGENCY REPAIRS	-	3/13/2020	6/30/2020	86,110.99
S1951	Plants	Collection	INSTALL SS FORCE MAIN	-	5/21/2020	6/30/2020	41,285.44
S1952	All	Collection	EMERGENCY SEWER REP AT HILLSDALE RD	-	5/21/2020		15,864.98

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S1953	All	Collection	EMERGENCY SEWER REP AT RIVERSIDE DR.	-	5/21/2020	12/31/2020	54,199.74
S1954	West Plant	Treatment Plant	WP INSTALL BACKWASH VALVES	-	6/15/2020	6/30/2020	34,560.33
S1955	Lift Station	Lift Station	7TH AVE LIFT STATION REHAB	-	7/24/2020		153,809.95
S1956	All	CSO	(3) RAIN GAUGES FOR COMBINED SEWER SYSTEM	-	6/17/2020	6/30/2020	13,987.71
S1957	Plants	Collection	REPLACE FLYGT MIXERS IN BLDG 88 EP	-	6/17/2020	12/31/2020	66,059.48
S1958	Plants	Collection	FLYGT MIXERS FOR WAS TANK IN BLDG 88	-	6/23/2020	12/31/2020	14,996.72
S1959	Plants	Collection	REPLACEMENT FLYGT MIXERS FOR BLDG 32	-	6/17/2020	12/31/2020	14,996.72
S1960	West Plant	Equipment	CUB CADET DUAL WHEEL MOWER FOR WP	-	6/17/2020	6/30/2020	10,201.24
S1961	West Plant	Equipment	KUBOTA DIESEL 60" MOWER FOR WP	-	6/17/2020	6/30/2020	12,364.81
S1962	All	Collection	REPAIR 12"SEWER COLLAPSE AT WARD ROAD	-	7/17/2020		71,592.77
S1964	Lift Station	Lift Station	PUMP REBUILD FOR KEY WEST LS	-	7/2/2020	12/31/2020	6,136.95
S1965	Lift Station	Lift Station	REBUILD KSB PUMP FOR MILLERSBURG LS	-	7/2/2020	12/31/2020	-
S1968	West	Collection	MAIN STREET SEWER OBSTRUCTION	-	2/1/2016	12/31/2020	23,427.35
S1969	All	Collection	REPLACEMENT ACTUATOR FOR HEADW	-	2/1/2016	12/31/2020	5,672.97
S1970	East	pumps	BYPASS PUMPING AT CULVERSON &	-	2/2/2016	12/31/2020	6,722.43
S1971	East	pumps	BYPASS PUMPING ON CULVERSON &	-	2/2/2016	12/31/2020	5,659.96
S1972	East	Collection	REPAIR SEWER CAVE-IN AT CULVER	-	2/2/2016	12/31/2020	32,910.04
S1973	All	Equipment	REPLACEMENT OF WINDOW PANES AT	-	2/2/2016		9,770.40
S1974	East	Collection	JCI - ESPC PROJECT - CONTINGEN	-	2/3/2016	12/31/2020	177,545.84
S1975	All	Collection	ASPHALT WORK DONE AT VARIOUS J	-	2/5/2016		251,481.33
S1976	All	Collection	CONCRETE AT VARIOS SITES	-	2/5/2016		44,136.30
S1977	All	Equipment	SEWER PIPE,FITTINGS,COUPLINGS,	-	2/5/2016		1,979.00
S1978	All	Equipment	MANHOLE SECTIONS, RINGS, CONES	-	2/5/2016		77,581.86
S1979	All	Equipment	FLUSHER TRUCK HOSES	-	2/5/2016		13,246.89
S1980	All	Vehicles	VEHICLE & EQUIPMENT SERVICE &	-	2/5/2016		81,132.98
S1981	All	Equipment	HAND TOOLS, WOOD, LUBRICANTS,	-	2/5/2016	12/31/2020	2,696.56
S1982	All	Equipment	ROCK FOR JOB SITES	-	2/5/2016		133,040.56
S1983	All	Vehicles	NEW TIRES & REPAIRS	-	2/5/2016	12/31/2020	18,776.16
S1984	All	Vehicles	NEW TIRES & REPAIRS	-	2/5/2016	12/31/2020	770.40
S1985	All	Equipment	PIPE,FITTINGS,COUPLINGS,BANDS,	-	2/5/2016	12/31/2020	105,334.59
S1986	All	Collection	CONCRETE WORK AT VARIOUS JOB S	-	2/11/2016	12/31/2020	32,045.63
S1987	All	Equipment	MANHOLE SECTIONS,RISERS,CONES,	-	2/11/2016		12,071.10
S1988	All	Equipment	IMPELLER & WEAR RING FOR STOCK	-	2/11/2016	12/31/2020	6,379.73
S1989	All	Equipment	MANHOLE FRAMES, RISER RINGS, L	-	2/11/2016		35,291.84

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S1990	All	Vehicles	BOBCAT ENDLOADER PER QUOTE	-	2/16/2016	12/31/2020	89,504.69
S1992	All	Collection	CHLORINE LEAK CONTAINMENT/CHLO	-	2/18/2016		5,867.15
S1994	West	Collection	REBUILT CHANNEL MONSTER FOR WE	-	2/25/2016	12/31/2020	45,919.49
S1995	All	Equipment	PAVEMENT BREAKER FOR SEWER CON	-	2/25/2016	12/31/2020	4,914.66
S1997	All	Collection	ANNUAL SEWER LINING & MANHOLE	-	2/29/2016	12/31/2020	1,240,901.01
S1998	All	Vehicles	BLANKET PO FOR TIRES & TIRE RE	-	2/29/2016		7,737.77
S1999	All	Collection	LABOR & MATERIAL TO INSTALL ST	-	3/2/2016	12/31/2020	5,238.18
S2000	All	Collection	INSTALL EMERGENCY BALLASTS IN	-	3/3/2016	12/31/2020	7,125.28
S2001	All	Collection	CLEANING NOZZLES & ASSEMBLY KI	-	3/3/2016	12/31/2020	-
S2002	All	Collection	SEWER LINE UPGRADE PARTICIPATI	-	3/4/2016	12/31/2020	16,931.75
S2003	All	Collection	VACTOR TRUCK NOZZLES FOR SEWER	-	3/11/2016	12/31/2020	6,633.07
S2004	West	pumps	REBUILD MOYNO PUMP FOR WEST PL	-	3/11/2016	12/31/2020	10,818.27
S2005	West	Collection	EXTRA WORK REQUIRED ON VANN &	-	3/23/2016	12/31/2020	48,508.30
S2006	West	pumps	GRACO CHEMICAL FEED PUMPS	-	3/23/2016	12/31/2020	13,678.56
S2007	West	pumps	REPAIR KSB PUMP FOR STOCKWELL	-	3/28/2016	12/31/2020	6,971.84
S2008	All	Collection	NOZZLES FOR VAC TRUCKS	-	4/11/2016	12/31/2020	8,316.05
S2009	West	Collection	REBUILD WORTHINGTON PLANT WATE	-	4/11/2016		10,997.83
S2010	West	Collection	FIRE SUPPRESSION SYSTEM FOR BA	-	4/11/2016	12/31/2020	18,534.30
S2011	All	Equipment	MANHOLE LIDS, RISERS & FRAMES	-	4/11/2016	12/31/2020	42,482.28
S2012	All	Collection	LABOR & MATERIAL TO REPLACE OP	-	4/25/2016	12/31/2020	8,289.62
S2013	All	Collection	LABOR & MATERIAL TO FABRICATE	-	4/25/2016	12/31/2020	9,268.67
S2014	West	Equipment	LABOR & MATERIAL TO REBUILD WA	-	4/25/2016	12/31/2020	77,553.88
S2015	All	Equipment	SELF CLEANING STRAINER FOR PLA	-	4/25/2016		32,184.38
S2016	West	pumps	REBUILD KSB PUMP FOR HUNTERS C	-	5/11/2016	12/31/2020	5,859.64
S2017	All	Vehicles	QTY (2) FREIGHTLINER DUMP TRUC	-	5/12/2016	12/31/2020	191,597.98
S2018	All	Equipment	QTY (2) MOYNO PUMPS MODEL 1H11	-	5/20/2016	12/31/2020	56,658.48
S2019	All	Collection	BID ALTERNATES # FOR 2016	-	5/25/2016	12/31/2020	214,360.51
S2020	All	pumps	PUMP RENTAL DURING CLARIFIER C	-	5/25/2016		4,067.23
S2021	All	pumps	REBUILD ABS PUMP FOR PPG LIFT	-	6/20/2016	12/31/2020	11,314.23
S2022	All	Collection	PROVIDE & INSTALL BACKUP GENER	-	6/20/2016	12/31/2020	30,980.51
S2023	All	Equipment	RESTOCK CUSTOM MANHOLE RISERS	-	6/20/2016		16,239.48
S2024	All	Equipment	FLOW MODULES AND KITS PER QUOT	-	6/20/2016	12/31/2020	51,924.51
S2025	All	CSO	VOLUCALC RT FLOW METER PER QUO	-	6/20/2016	12/31/2020	7,316.51
S2026	All	Equipment	(3) TRAILERS FOR MOVING EQUIPM	-	6/20/2016	12/31/2020	5,449.82

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S2027	All	Collection	LABOR & MATERIAL TO REBUILD 10	-	6/20/2016	12/31/2020	5,118.18
S2028	West	pumps	REBUILD KSB PUMP FOR MILLERSBU	-	6/20/2016	12/31/2020	9,696.04
S2029	All	Equipment	TRANSCEIVER UNIT PIT SETS	-	6/20/2016	12/31/2020	78,555.96
S2030	West	Collection	SEWER REPAIRS FOR CAVE-IN AT W	-	6/30/2016	12/31/2020	38,667.21
S2031	All	Collection	TOWER FOR AUTOMATIC METER READ	-	6/30/2016	12/31/2020	38,737.91
S2032	All	Collection	LABOR & MATERIAL TO BUILD A ST	-	7/12/2016	12/31/2020	24,544.81
S2033	West	West Treatment Plant	WEST PLANT PHOSPHORUS STUDY	-	7/15/2016		180,593.92
S2034	All	pumps	REBUILD FAIRBANKS MORSE PUMP F	-	7/26/2016		21,193.42
S2035	All	pumps	PUMP RENTAL FOR FORCE MAIN/CLA	-	8/16/2016		4,951.97
S2036	East	Collection	REPLACE ROOFING AT EAST PLANT,	-	8/25/2016	12/31/2020	14,631.05
S2041	West	West Treatment Plant	REPLACE ROOF, WEST PLANT, BLDG	-	8/25/2016	12/31/2020	-
S2042	All	pumps	REBUILD KSB 80HP SUBMERSIBLE P	-	8/25/2016	12/31/2020	17,726.15
S2043	All	pumps	REBUILD PUMP X 80 HP PUMP FOR	-	8/25/2016	12/31/2020	13,643.21
S2044	All	pumps	CHANGE WEAR RINGS ON PUMPS IN	-	8/29/2016	12/31/2020	8,748.80
S2045	All	Collection	REPAIR OF 15" SEWER LINE AT 5T	-	8/31/2016	12/31/2020	94,014.74
S2046	All	Collection	CROSSVALLEY SEWER EXTENSION PR	-	9/2/2016	12/31/2020	83,676.82
S2047	All	Collection	REPAIR RADIO CANOPY	-	9/16/2016		4,841.70
S2048	West	Collection	WEST PLANT ROOF, CHLORINE STOR	-	9/28/2016	12/31/2020	10,506.86
S2049	All	Collection	EMERGENCY REPAIR TO SEWER AT N	-	9/28/2016		39,277.98
S2050	All	Collection	REPAIR 15" SEWER AT 3618 E. RI	-	9/28/2016	12/31/2020	92,303.25
S2051	All	Equipment	MANHOLE PARTS FOR RAISE TO GRA	-	9/28/2016	12/31/2020	8,936.72
S2059	All	Collection	FAB & INSTALL SS VENT PIPE FOR	-	9/28/2016	12/31/2020	5,536.23
S2060	All	Equipment	REPLACEMENT INFLUENT FLOW METE	-	9/28/2016	12/31/2020	8,831.65
S2061	East	East Treatment Plant	EAST PLANT AREA #2, BLDG 65 TU	-	9/28/2016	12/31/2020	34,152.20
S2062	West	West Treatment Plant	WEST PLANT AREA #3, BLDG 34 TU	-	9/28/2016	12/31/2020	11,626.28
S2063	West	West Treatment Plant	WEST PLANT BLDG 34 PIPING & VA	-	9/28/2016	12/31/2020	14,729.24
S2064	East	East Treatment Plant	EAST PLANT AREA #1, BLDG 55 TU	-	9/28/2016	12/31/2020	20,866.43
S2065	East	East Treatment Plant	EAST PLANT AREA #3, BLDG 75 TU	-	9/28/2016	12/31/2020	15,894.82
S2066	East	East Treatment Plant	EAST PLANT AREA #4, BLDG 88 TU	-	9/28/2016	12/31/2020	27,582.96
S2067	East	East Treatment Plant	EAST PLANT AREA #5, BLDG 82 TU	-	9/28/2016	12/31/2020	15,583.54
S2068	West	West Treatment Plant	WEST PLANT AREA #1, BLDG 10 TU	-	9/28/2016	12/31/2020	17,566.09
S2069	West	West Treatment Plant	WEST PLANT AREA #2, BLDG 18 TU	-	9/28/2016	12/31/2020	26,393.82
S2070	All	Collection	REBUILD 170 HP FLYGT RAW SEWAG	-	9/28/2016	12/31/2020	20,759.11
S2071	West	Equipment	FUME HOOD REPLACEMENT FOR LAB	-	10/25/2016	12/31/2020	41,760.35

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S2072	All	Equipment	MANHOLE PARTS FOR RAISE TO GRA	-	10/25/2016		21,080.20
S2073	East	CSO	INTERNET DATA SITES FOR CSO'S	-	11/4/2016	12/31/2020	6,716.53
S2074	All	Collection	DESIGN ENGINEERING FOR HOT WAT	-	11/14/2016	12/31/2020	5,886.79
S2075	East	Collection	ASPHALT PAVING AT ALLENS LANE	-	11/16/2016		36,732.27
S2076	All	Collection	REBUILD (2) VAUGHN CHOPPER PUM	-	11/30/2016	12/31/2020	43,205.78
S2077	All	Equipment	MANHOLE RISERS AND CONES FOR M	-	12/2/2016	12/31/2020	42,420.22
S2078	East	CSO	ISCO PORTABLE SAMPLERS	-	12/2/2016	12/31/2020	5,493.71
S2079	All	Collection	2016 MANHOLE INSTALLATION PROJ	-	12/5/2016	12/31/2020	416,518.05
S2081	All	Equipment	CYANIDE DISTILLATION APPARATUS	-	12/6/2016		5,400.25
S2082	All	Collection	QTR JCI SERV AGREEMENT	-	12/6/2016	12/31/2020	23,562.23
S2083	West	Collection	REBUILD SMITH & LOVELESS GRIT	-	12/6/2016	12/31/2020	11,359.92
S2084	West	Collection	7TH AVENUE BARSCREEN RECONSTRU	-	12/6/2016		16,200.20
S2085	West	Equipment	BARRICADES FOR CONSTRUCTION SI	-	12/13/2016	12/31/2020	6,230.47
S2086	East	Collection	REPLACE 2 BALLASTED ROOFS AT E	-	12/14/2016	12/31/2020	13,649.10
S2087	East	Collection	INSTALL SLIDE RAIL SYSTEM AT S	-	12/14/2016	12/31/2020	24,349.40
S2088	All	Collection	LABOR & MATERIAL FOR IMPROVEME	-	12/14/2016	12/31/2020	36,106.28
S2089	West	Collection	INSTALL PUMP RAIL SYSTEM AT MI	-	12/14/2016	12/31/2020	31,185.73
S2090	All	Collection	REBUILD 24" M&H CHECK VALVE AT	-	12/14/2016	12/31/2020	25,982.79
S2093	All	Vehicles	SERVICE & REPAIRS ON TRUCKS ES	-	2/7/2017		62,081.65
S2094	All	Equipment	MISCELLANEOUS TOOLS & SUPPLIES	-	2/7/2017		7,252.98
S2095	All	Vehicles	TIRES & TIRE REPAIRS	-	2/7/2017		28,247.42
S2096	All	Equipment	PIPE, ADAPTORS, & FITTINGS ES1	-	2/7/2017		85,306.74
S2097	West	Collection	WEST WASTEWATER TREATMENT PLAN	-	2/9/2017	12/31/2020	255,436.25
S2098	All	Equipment	LABOR & MATERIALS FOR E1 STATI	-	2/16/2017	12/31/2020	24,107.66
S2099	All	Collection	ASPHALT AT VARIOUS JOB SITES	-	2/16/2017	12/31/2020	307,949.09
S2100	All	Collection	CONCRETE FOR VARIOUS JOB SITES	-	2/16/2017		69,683.98
S2101	All	Collection	CONCRETE WORK AT VARIOUS JOB S	-	2/16/2017	12/31/2020	46,065.54
S2102	All	Equipment	SHOVELS,RAKES,MEASURING TAPES,	-	2/16/2017	12/31/2020	3,683.32
S2103	All	Programming	PROGRAMMING, TELEMETRY, CONSUL	-	2/16/2017		206,789.08
S2104	All	Equipment	ROCK & SAND FOR VARIOUS JOB SI	-	2/16/2017		203,706.73
S2105	All	Vehicles	TIRES & TIRE REPAIRS	-	2/16/2017		7,360.78
S2106	All	Collection	EMERGENCY SEWER REPAIR ON A 10	-	2/17/2017		10,734.84
S2107	All	Equipment	MISCELLANEOUS EQUIPMENT ELECTR	-	2/17/2017		11,849.78
S2108	All	Lift Station	MULTIPLE LIFT STATION EQUIPMEN	-	2/17/2017		6,900.48

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S2109	West	West Treatment Plant	MULTIPLE WEST PLANT EQUIPMENT	-	2/17/2017		10,864.93
S2110	East	pumps	REPAIR VAUGHN PUMP FOR EAST PL	-	2/17/2017	12/31/2020	6,643.09
S2111	All	Collection	M&V SERVICE	-	2/22/2017		93,125.70
S2112	West	Equipment	BLOWER STAGE FOR WEST PLANT	-	2/24/2017	12/31/2020	5,066.81
S2113	East	Collection	EIM ACTUATOR FOR EAST PLANT	-	2/24/2017	12/31/2020	5,562.14
S2114	All	Collection	INSTALLATION OF MAKE UP AIR UN	-	3/2/2017	12/31/2020	127,008.09
S2116	All	Equipment	MANHOLE SECTIONS AND PARTS	-	3/3/2017	12/31/2020	4,738.73
S2117	All	Equipment	WATER PUMP REPAIR & MISC MAINT	-	3/6/2017	12/31/2020	12,735.94
S2118	All	Equipment	FIRE HOSES, NOZZLES & PARTS FO	-	3/6/2017	12/31/2020	4,895.94
S2119	All	Equipment	FLOATS & GASKETS, SHACKLES, FL	-	3/6/2017	12/31/2020	2,766.03
S2120	All	Collection	LABOR & MATERIAL TO CHANGE WEA	-	3/13/2017	12/31/2020	4,903.75
S2121	All	Equipment	QTY (2) YASKAWA VFD'S AND MOUN	-	3/14/2017	12/31/2020	28,070.40
S2122	West	Collection	REPLACE ROOF ON BLDG 32 AT WES	-	3/14/2017	12/31/2020	32,541.49
S2123	All	CSO	QTY (3) ADFM PULSE DOPPLER FLO	-	3/14/2017	12/31/2020	24,293.95
S2124	East	East Treatment Plant	PRESSURE WASH & COAT SECONDARY	-	3/14/2017	12/31/2020	18,085.56
S2125	All	Collection	CONCRETE CRACK REPAIR ON SLUDG	-	3/15/2017		33,427.23
S2127	All	Equipment	GUTTER REPLACEMENT ON SLUDGE S	-	3/15/2017	12/31/2020	29,483.74
S2128	All	Collection	SANDBLAST & PAINT COLUMNS ON S	-	3/15/2017	12/31/2020	77,021.28
S2129	All	Vehicles	NEW F550 TRUCK WITH ADD-ONS FR	-	3/17/2017	12/31/2020	103,776.54
S2130	All	Equipment	MANHOLE RINGS, SECTIONS & SUPP	-	3/17/2017		43,481.34
S2131	East	Equipment	JWC MUFFIN MONSTER FOR EAST PL	-	3/27/2017	12/31/2020	14,834.30
S2132	All	Collection	EMERGENCY REBUILD OF ENVIREX B	-	3/27/2017	12/31/2020	31,579.88
S2133	All	Collection	2017 MANHOLE INSTALLATION PROJ	-	3/31/2017	12/31/2020	-
S2134	West	Equipment	PARTS FOR AERZEN BLOWERS AT WE	-	4/5/2017	12/31/2020	4,901.85
S2135	West	pumps	BYPASS PUMP RENTAL FOR USI-CLA	-	4/5/2017	12/31/2020	6,444.27
S2136	All	Equipment	FLUSHER HOSE & FITTINGS	-	4/5/2017	12/31/2020	5,244.74
S2137	All	Collection	ADDITIONAL ASPHALT PATCHING AT	-	4/12/2017	12/31/2020	-
S2138	All	Equipment	WALL PAPER REMOVAL & PAINTING	-	4/12/2017	12/31/2020	6,063.50
S2139	East	pumps	RENTAL PUMP FOR EAST CLARIFIER	-	4/18/2017	12/31/2020	8,057.39
S2140	East	pumps	REBUILD PUMP FOR WEINBACH LIFT	-	4/27/2017	12/31/2020	6,594.95
S2141	East	pumps	PUMP RENTAL FOR CLARIFIER PROJ	-	5/3/2017	12/31/2020	7,277.55
S2142	West	Equipment	AERZEN BLOWER STAGE FOR WEST P	-	5/12/2017		8,231.96
S2143	All	Collection	2017 MANHOLE INSTALLATION PROJ	-	5/25/2017	12/31/2020	476,624.44
S2144	East	pumps	REPAIR PUMP FOR WEINBACH	-	5/31/2017	12/31/2020	7,471.06

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S2145	All	Collection	COMPLETE PIPE REPLACEMENT FOR	-	6/7/2017	12/31/2020	6,162.46
S2146	All	Collection	CONTINUE GATE INSTALLATIO AT	-	6/8/2017	12/31/2020	17,866.02
S2147	All	Equipment	CONSTRUCT CONTROL PANEL FOR PI	-	6/9/2017	12/31/2020	12,362.88
S2148	West	Collection	COMPLETE DISCHARGE PIPE WEST C	-	6/9/2017	12/31/2020	10,059.83
S2149	All	Collection	REBUILD FAILED FLYGT PUMP #1 H	-	6/9/2017		21,816.80
S2150	East	Collection	COMPLETE PIPE REPLACEMENT EAS	-	6/15/2017		10,059.82
S2151	All	Collection	COMPLETE PIPE REPLACEMENT IN N	-	6/15/2017	12/31/2020	15,107.71
S2152	All	Collection	COMPLETE PIPE REPLACEMENT SOUT	-	6/15/2017	12/31/2020	15,107.71
S2153	All	Collection	INSTALLATION OF A SEISMIC VALV	-	6/29/2017	12/31/2020	4,987.13
S2154	All	Equipment	REPAIRS ON FLUSHER TRUCK #585	-	7/5/2017	12/31/2020	9,565.56
S2155	All	Collection	SEISMIC VALVE INSTALLATION AT	-	7/5/2017	12/31/2020	5,245.39
S2157	All	Equipment	WARTHOG FLUSHING NOZZLES	-	8/2/2017	12/31/2020	22,353.16
S2158	All	Collection	EMERGENCY FORCE MAIN REPAIR ON	-	8/2/2017	12/31/2020	9,435.11
S2159	All	Vehicles	MINI EXCAVATOR FOR SEWER MAINT	-	8/2/2017	12/31/2020	62,807.96
S2160	All	Collection	LUMBERJACK CUTTING NOZZLES FOR	-	8/2/2017	12/31/2020	33,602.89
S2161	All	Equipment	5-ROOT CUTTER KITS COMPLETE WI	-	8/2/2017	12/31/2020	6,232.32
S2162	All	Collection	TIME & MATERIAL TO REPAIR JOIN	-	8/15/2017	12/31/2020	-
S2163	East	Collection	PARKING LOT IMPROVEMENTS AT AL	-	8/15/2017	12/31/2020	57,607.19
S2164	East	pumps	REBUILD VAUGHN PUMP FOR EAST P	-	8/15/2017	12/31/2020	26,741.36
S2165	All	Collection	LAKESIDE MANOR & INDIAN WOODS	-	8/17/2017		74,962.90
S2168	All	Collection	IMPROVEMENTS TO RELOCATE THE I	-	8/28/2017	12/31/2020	137,806.47
S2169	All	Equipment	BLANKET PO FOR VAC TRUCK RENTA	-	8/31/2017		44,190.96
S2170	All	pumps	REPAIR KSB PUMP FOR LIFTSTATIO	-	8/31/2017	12/31/2020	10,566.51
S2171	All	Equipment	MANHOLE REPLACEMENT PARTS FOR	-	9/8/2017	12/31/2020	21,712.30
S2172	All	CSO	QTY (2) REFRIGERATED SAMPLERS	-	9/8/2017	12/31/2020	14,936.35
S2173	All	Vehicles	INDUSTRIAL ZERO TURN MOWER	-	9/8/2017	12/31/2020	12,467.82
S2174	All	Collection	REBUILD CHANNEL MONSTER GRINDE	-	9/8/2017	12/31/2020	37,174.84
S2175	All	pumps	HYDROMATIC PUMPS FOR CROSSPOIN	-	9/8/2017	12/31/2020	27,872.07
S2177	West	Lift Station	TWICKINGHAM LIFT STATION IMPRO	-	9/12/2017	12/31/2020	-
S2178	All	Equipment	MOTOR DRIVE FOR HUBER CLASSIFI	-	9/13/2017	12/31/2020	8,391.59
S2179	All	Collection	SILOXANE REMOVAL MEDIA	-	9/21/2017	12/31/2020	33,716.06
S2182	West	Equipment	BLOWERS FOR WEST PLANT BAF	-	10/2/2017	12/31/2020	16,423.92
S2184	All	Collection	LABOR & MATERIAL TO REPAIR ABS	-	10/2/2017	12/31/2020	6,161.95
S2186	West	Collection	7TH AVENUE BAR SCREEN CHAIN &	-	10/2/2017		13,091.69

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S2187	West	Collection	YASKAWA VFD FOR MILLERSBURG	-	10/18/2017		6,114.74
S2189	All	Equipment	PIPE, FITTINGS, ADAPTERS & PIP	-	10/23/2017		17,105.30
S2190	West	pumps	BYPASS PUMPING RENTAL @ HAVEN	-	10/24/2017	12/31/2020	5,838.69
S2194	All	Collection	COMPLETE INSTALL OF GATE STEM	-	11/6/2017	12/31/2020	9,627.66
S2196	All	Collection	RAISE MANHOLE AND REMOVE CONCR	-	11/7/2017	12/31/2020	5,274.99
S2197	East	CSO	INTERNET DATA ACCESS AT 5 CSO	-	11/14/2017	12/31/2020	5,487.77
S2198	All	Equipment	CUSTOM BUILT CONTROL PANEL FOR	-	11/15/2017	12/31/2020	11,220.07
S2201	All	Equipment	MANHOLE SECTIONS	-	11/27/2017		1,920.24
S2202	All	Collection	ASPHALT LOCATIONS	-	11/30/2017		93,275.12
S2203	All	Collection	CONCRETE WORK LOCATIONS	-	11/30/2017	12/31/2020	7,877.97
S2204	West	Collection	EAGLES FORCE MAIN REPLACEMENT	-	11/30/2017		-
S2206	All	Collection	PARTS & INSTALLATION OF BREAKE	-	12/6/2017		9,540.67
S2209	All	Equipment	MANHOLE SECTIONS	-	12/8/2017	12/31/2020	9,704.68
S2211	All	Equipment	REPLACEMENT CHAIRS FOR ADMINIS	-	12/11/2017		5,046.42
S2215	West	Collection	MANHOLE INSTALLATION @ 2806 W.	-	12/13/2017		-
S2216	West	Collection	MANHOLE INSTALLATION AT 2823 W	-	12/13/2017	12/31/2020	-
S2218	All	Collection	INSTALL MANHOLES, PERFORM POIN	-	12/15/2017	12/31/2020	88,526.33
S2219	East	Equipment	EP-NEW-PARTS FOR BLDG 59 PISTA	-	2/2/2018		7,153.03
S2220	All	Collection	BLANKET PO FOR PROGRAMMING, TE	-	2/2/2018		204,203.91
S2221	All	Collection	ASPHALT SITES	-	2/9/2018		300,748.25
S2222	All	Collection	CONCRETE AT VARIOUS JOB SITES	-	2/9/2018		42,118.00
S2223	All	Collection	CONCRETE WORK	-	2/9/2018	12/31/2020	27,536.93
S2224	All	Equipment	HOSE, FITTINGS, CLAMPS FOR FLU	-	2/9/2018	12/31/2020	6,360.82
S2225	All	Vehicles	SERVICE & REPAIRS ON TRUCKS &	-	2/9/2018		54,951.18
S2226	All	Equipment	HAND TOOLS, WOOD MISC SUPPLIES	-	2/9/2018		4,312.40
S2227	All	Equipment	ROCK	-	2/9/2018		150,581.27
S2228	All	Collection	SIPHON STUDY PHASE I - APPROVE	-	2/9/2018	12/31/2020	-
S2229	All	Vehicles	VEHICLE/EQUIPMENT TIRES	-	2/9/2018		7,276.59
S2230	All	Vehicles	TIRE REPLACEMENT & REPAIR & RO	-	2/9/2018	12/31/2020	4,337.03
S2231	All	Equipment	PIPE, ADAPTERS, FITTINGS, GLUE	-	2/9/2018		99,655.11
S2232	All	Equipment	MANHOLE RINGS, CASTINGS & LIDS	-	2/9/2018		23,455.71
S2233	All	Collection	M&V SERVICE	-	2/14/2018		92,636.21
S2234	All	pumps	PUMP RENTAL	-	2/20/2018		4,081.94
S2237	All	Collection	NETZSCH PROGRESSIVE CAVITY PUM	-	2/23/2018	12/31/2020	29,318.59

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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)
S2238	West	Lift Station	LS-REPAIR PUMP FOR BROWNING	-	2/23/2018	12/31/2020	5,455.26
S2240	All	Collection	LABOR & MATERIAL TO INSTALL FL	-	2/27/2018		3,625.34
S2241	All	Collection	OFFICE & LOBBY WORK DONE/SPLIT	-	3/2/2018	12/31/2020	5,939.43
S2242	All	Equipment	PARTS FOR CHLORINE EQUIPMENT A	-	3/2/2018	12/31/2020	2,675.27
S2243	East	Equipment	PARTS FOR CO-GENS AT EAST PLAN	-	3/2/2018		5,447.23
S2244	All	Equipment	MANHOLE SECTIONS-BARRELS, CONE	-	3/5/2018	12/31/2020	278.69
S2245	East	Equipment	DRIVE & REMOTE KEYPAD FOR EAST	-	3/14/2018		5,147.22
S2246	All	Vehicles	REMOVE & REPLACE TRANSMISSION	-	3/14/2018		18,081.90
S2247	All	Equipment	RENTAL EQUIPMENT FOR CLEANING	-	3/14/2018	12/31/2020	7,810.86
S2248	West	Lift Station	INDIAN WOODS LIFT STATION REHA	-	3/14/2018	12/31/2020	146,433.39
S2249	West	Lift Station	LAKESIDE MANOR LIFT STATION RE	-	3/14/2018	12/31/2020	269,100.28
S2250	West	Collection	DESIGN OF THE BONNIEVIEW AND O	-	4/9/2018		160,712.94
S2251	West	pumps	FARMINGTON LS (3) PUMPS CCM 20	-	4/9/2018	12/31/2020	16,384.41
S2252	West	Collection	28 JEFFERSON SEWER EXTENSION (-	4/11/2018	12/31/2020	88,279.07
S2253	All	Vehicles	VEHICLE/EQUIPMENT TIRES & REPA	-	4/11/2018		23,158.93
S2254	West	West Treatment Plant	WP-NEW-POOR CONCRETE/CHLORINE	-	4/13/2018	12/31/2020	4,890.30
S2255	East	Collection	PLAZA DRIVE LS & FORCE MAIN CC	-	4/13/2018	12/31/2020	778,874.41
S2258	East	Lift Station	RELOCATION OF K-4 LIFT STATION	-	4/19/2018	12/31/2020	90,757.02
S2262	East	pumps	EP-REP-WATER PUMP #1	-	4/30/2018		-
S2266	All	Equipment	MANHOLE RINGS, LIDS, FITTINGS,	-	5/9/2018		6,638.83
S2267	All	Collection	CONCRETE WORK, CURBS, WALKS, S	-	5/10/2018		18,516.89
S2269	All	CSO	CYLINDER FOR DELAWARE CSO	-	5/31/2018		5,994.03
S2271	East	Collection	90" PIPE REPAIR AT BEE SLOUGH	-	5/31/2018	12/31/2020	10,590.37
S2273	West	Collection	FORCE MAIN REPAIR AT N. EVANS	-	5/31/2018	12/31/2020	10,869.06
S2280	All	CSO	WP-REFRIGERATED SAMPLERS	-	6/25/2018	12/31/2020	14,473.50
S2281	All	Collection	HACH WIMS USER LICENSE & SUPPO	-	6/25/2018		7,838.31
S2284	East	pumps	LS-REP-PUMPEX PUMP FOR DAYLIGH	-	6/25/2018	12/31/2020	16,248.78
S2285	All	Collection	EMERGENCY CAVE IN REPAIR AT WA	-	7/23/2018	12/31/2020	20,344.65
S2286	All	Collection	FLORENCE ST SEWER & MANHOLE RE	-	7/23/2018	12/31/2020	24,989.55
S2287	All	Collection	FLORENCE ST SIDEWALK RESTORATI	-	7/23/2018	12/31/2020	9,382.69
S2289	East	East Treatment Plant	PIPING RENTAL FOR EP CLARIFIER	-	7/30/2018	12/31/2020	6,132.23
S2290	All	Collection	HACH WIMS USER LICENSES	-	8/13/2018	12/31/2020	5,573.88
S2291	All	Equipment	COMPUTERS, DATA PROCESSING EQU	-	8/21/2018	12/31/2020	10,551.91
S2292	All	Equipment	EP-REP-BALDOR MOTORS	-	8/28/2018	12/31/2020	-

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S2293	All	pumps	LS-REP-SUBMERSIBLE PUMP FOR US	-	8/28/2018	12/31/2020	-
S2294	East	Collection	EAST WWTP EFFLUENT SEWER REHAB	-	8/29/2018		556,908.41
S2295	All	Lift Station	LS-NEW-BRONZE NUTS FOR GATE	-	9/6/2018	12/31/2020	6,479.93
S2296	All	Collection	DEMO & POUR NEW PAVEMENT @ ALL	-	9/6/2018	12/31/2020	69,628.69
S2297	West	pumps	BYPASS PUMPING AT PFEIFFER	-	9/7/2018		13,449.30
S2298	West	Lift Station	LS-REP-KSB PUMP FOR KEY WEST	-	9/7/2018	12/31/2020	4,947.02
S2299	East	Collection	ASPHALT PAVING AT RIVERSIDE &	-	9/12/2018		-
S2300	East	pumps	EP-REP-WEMCO PUMP	-	9/30/2018	12/31/2020	6,270.87
S2301	All	Vehicles	LEASE SEWER VEHICLES	-	10/3/2018		17,217.29
S2302	All	Collection	CONCRETE WORK, CURBS, SIDEWALK	-	10/5/2018	12/31/2020	12,912.06
S2303	West	pumps	LS-INTALL-SPARE PUMP 7TH AVE	-	10/5/2018		5,491.73
S2304	All	Collection	REPLACEMENT CIRCUIT BREAKER FO	-	10/18/2018	12/31/2020	10,282.64
S2305	East	East Treatment Plant	EP-REP-TELEMETRY A/C	-	10/19/2018	12/31/2020	4,987.18
S2308	West	Lift Station	LS-REBUILD-PUMP FOR EAGLES	-	10/23/2018	12/31/2020	7,876.22
S2309	All	Equipment	MANHOLE RINGS, RISERS, FRAMES	-	10/25/2018	12/31/2020	5,948.92
S2310	All	CSO	MX-CSO-WIRELESS TELEMETRY	-	11/8/2018	12/31/2020	-
S2311	East	Flow Meter	NEW-EP-FLOW METER SPARE	-	11/8/2018		5,882.49
S2312	West	pumps	MX-WP-3400 PUMPS	-	11/8/2018	12/31/2020	10,546.66
S2313	East	CSO	MX-EP-CSO'S	-	11/12/2018	12/31/2020	8,310.77
S2314	All	CSO	SVCS-EP-CSO TELEMETRY	-	11/12/2018	12/31/2020	5,295.18
S2315	All	pumps	REB-EP-PUMPS SMITH&LOVELESS	-	11/14/2018	12/31/2020	23,153.03
S2316	East	East Treatment Plant	REP-EP-HVAC HUMIDITY ISSUE	-	11/15/2018	12/31/2020	6,820.68
S2317	West	Lift Station	REB-LS-EAGLES	-	11/15/2018	12/31/2020	6,025.09
S2318	East	Collection	INST-EP-STEEL GRATING IN TRAIL	-	11/16/2018	12/31/2020	5,372.18
S2319	East	East Treatment Plant	REB-EP-BLDG 88 BIOFILTER	-	11/19/2018	12/31/2020	13,934.69
S2320	East	East Treatment Plant	REB-EP-SIDEWALKS	-	11/19/2018	12/31/2020	7,972.28
S2321	West	West Treatment Plant	WP-NEW-PURGE PIPING	-	11/19/2018	12/31/2020	9,885.61
S2322	East	Equipment	EP-MX-COGEN PARTS	-	11/19/2018		17,302.39
S2324	All	Collection	ASPHALT JOB SITES	-	12/4/2018	12/31/2020	98,698.55
S2325	All	CSO	NEW-CSO-HYDRAULIC UNITS	-	12/10/2018	12/31/2020	83,192.00
S2327	All	Collection	REP-SM-JOINT RINGS	-	12/10/2018	12/31/2020	-
S2328	West	pumps	NEW-WP- WATER PUMP FOR THE WES	-	12/12/2018		5,358.29
S2329	West	Equipment	NEW-WP-(3) CONN.FLEX.EXHAUST F	-	12/12/2018	12/31/2020	-
S2331	East	Equipment	SVCS-EP-PIPE RENTAL	-	12/14/2018	12/31/2020	4,644.90

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S2332	All	CSO	REP-CSO-ELECTRICAL REPAIRS	-	1/9/2019	12/31/2020	11,668.42
S2333	East	East Treatment Plant	REP-EP-BLDG 88 ELECTRICAL	-	1/9/2019	12/31/2020	9,092.90
S2334	East	East Treatment Plant	REP-EP-ELECTRICAL REPAIRS	-	1/9/2019		138,577.19
S2335	All	Lift Station	REP-LS-ELECTRICAL REPAIRS	-	1/9/2019		48,210.46
S2336	West	West Treatment Plant	REP-WP-ELECTRICAL REPAIRS	-	1/9/2019		54,080.55
S2337	All	Vehicles	BLANKET PO FOR TIRES & REPAIRS	-	1/9/2019	12/31/2020	10,037.65
S2338	All	Collection	BLANKET PO FOR E1 STATION REPA	-	1/10/2019	12/31/2020	9,406.61
S2339	All	Collection	CONCRETE FOR VARIOUS JOB SITES	-	1/10/2019		55,466.87
S2340	All	Collection	CONRETE CUTS, SIDEWALKS & CURB	-	1/10/2019	12/31/2020	68,965.19
S2341	East	East Treatment Plant	REP-EP-HVAC BLDG 56	-	1/10/2019	12/31/2020	6,851.20
S2342	All	Vehicles	REPAIRS ON BACKHOES	-	1/10/2019	12/31/2020	7,202.54
S2343	All	Equipment	HOSES & FITTINGS FOR FLUSHER T	-	1/10/2019	12/31/2020	6,539.14
S2344	All	Vehicles	VEHICLE & EQUIPMENT SERVICE &	-	1/10/2019		19,201.23
S2345	All	Equipment	HAND TOOLS, PAINT, WOOD, MISC	-	1/10/2019		5,844.43
S2346	All	Equipment	ROCK	-	1/10/2019		175,078.25
S2347	All	Vehicles	VEHICLE & EQUIPMENT TIRES	-	1/10/2019		23,164.93
S2348	All	Equipment	HAND TOOLS, STRAPS, MISC SUPPL	-	1/10/2019	12/31/2020	3,044.03
S2349	West	Collection	PAINT-LS-7TH AVE FLOORS	-	1/10/2019	12/31/2020	8,943.00
S2350	All	Collection	SUP-EP-SILOXANE MEDIA	-	1/10/2019	12/31/2020	29,436.81
S2351	All	Equipment	PIPE, FITTINGS, GLUE	-	1/10/2019		98,860.98
S2352	All	Equipment	MANHOLE PARTS, RINGS, RISERS	-	1/10/2019		35,087.73
S2353	All	Collection	ASPHALT JOB SITES	-	1/14/2019		360,272.06
S2354	All	Collection	BLANKET PO PROGRAMMING & TELEM	-	1/14/2019		177,813.57
S2355	All	Collection	M&V SERVICE	-	1/15/2019		92,430.81
S2356	All	Collection	SVC-EP-HOIST/CRANE INSP & REP	-	1/16/2019	12/31/2020	5,755.94
S2358	All	Collection	REP-LS-RADIOS/COMS	-	1/17/2019	12/31/2020	11,315.94
S2359	West	West Treatment Plant	REP-WP-LEAKY CONDUIT	-	1/17/2019	12/31/2020	6,915.74
S2360	West	Collection	REP-SM-IGLEHEART SEWER COLLAPS	-	1/18/2019		15,322.98
S2361	West	Lift Station	REP-LS-BARSCREEN 7TH AVE	-	1/22/2019	12/31/2020	6,141.85
S2362	All	Collection	REP-OFFSITE-SIPHON STRUCTURE	-	1/22/2019	12/31/2020	4,667.89
S2363	All	Equipment	MANHOLE SECTIONS	-	1/29/2019		4,284.17
S2364	West	West Treatment Plant	NEW-WP-TUNNEL LIGHTING	-	1/30/2019		21,963.14
S2365	West	CSO	NEW-CSO-BAKER VENTILATION SYS.	-	1/31/2019		17,020.08
S2366	West	West Treatment Plant	MX-WP-CLARIFIER #2	-	2/1/2019		12,896.90

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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)
S2367	All	Collection	NEW-SIPHON STRUCTURE-AIR RELIE	-	2/1/2019	12/31/2020	11,661.34
S2368	East	East Treatment Plant	REB-EP-BIO-FILTER	-	2/1/2019		79,457.14
S2369	East	East Treatment Plant	REP-EP-COGEN 1 & 2	-	2/1/2019	12/31/2020	19,696.15
S2370	East	East Treatment Plant	REP-EP-CO-GEN PIPING	-	2/1/2019	12/31/2020	672.19
S2371	West	West Treatment Plant	REP-WP-ABS BAF PUMP	-	2/1/2019	12/31/2020	12,378.94
S2372	West	West Treatment Plant	REP-WP-REPLACE EXPANSION JOINT	-	2/1/2019	12/31/2020	4,595.86
S2374	All	Collection	INST-OFFSITE-AIR RELIEF VALVES	-	2/4/2019	12/31/2020	36,898.62
S2375	East	Collection	SVC-EP-PAINT EQUIP/FACILITY	-	2/8/2019		86,447.41
S2376	East	Collection	SVC-WP-PAINT EQUIP/FACILITY	-	2/8/2019		31,047.97
S2377	East	East Treatment Plant	MX-EP-SECONDARY CLARIFIER	-	2/12/2019		9,991.66
S2378	West	West Treatment Plant	MX-WP-DRIP TRAPS	-	2/12/2019	12/31/2020	4,963.23
S2379	East	East Treatment Plant	REP-EP-COGEN COOLING PIPE	-	2/12/2019	12/31/2020	4,889.91
S2380	West	West Treatment Plant	WP-REP-PURGE PIPE INSTALL	-	2/12/2019		15,956.56
S2381	East	pumps	SVC-EP-PUMP/PIPE RENTAL	-	2/13/2019	12/31/2020	6,094.53
S2382	East	Equipment	REP-EP-EIM ACTUATOR	-	2/13/2019		5,943.97
S2383	West	West Treatment Plant	REP-WP-BAF BLDG HEATER	-	2/19/2019	12/31/2020	10,284.79
S2385	West	Collection	PAINT-LS-7TH AVE	-	2/25/2019	12/31/2020	8,981.48
S2386	West	West Treatment Plant	NEW-WP-BLOWER #4	-	2/27/2019	12/31/2020	4,743.62
S2387	East	East Treatment Plant	REP-EP-#3 PURGE PIPING	-	2/27/2019	12/31/2020	18,051.36
S2388	West	West Treatment Plant	REP-WP-RAS WELL STAND PIPE	-	2/27/2019	12/31/2020	18,640.46
S2389	East	Collection	NEW-PAVING-KRATZVILLE/ALLENS	-	2/28/2019	12/31/2020	8,936.59
S2390	East	East Treatment Plant	MX-EP-REPLACE UNISON MEDIA	-	3/1/2019	12/31/2020	9,342.54
S2391	East	East Treatment Plant	NEW-EP CONTAINMENT BIN	-	3/1/2019	12/31/2020	10,418.60
S2394	All	Equipment	MX-LAB-GREASE EXTRACTOR	-	3/5/2019	12/31/2020	7,290.94
S2395	East	Collection	NEW-5E RIVERSIDE-HEATERS	-	3/6/2019	12/31/2020	16,135.96
S2396	West	pumps	NEW-WP-SUMP PUMP	-	3/11/2019		14,649.66
S2397	East	East Treatment Plant	REP-EP-COGEN LEAK	-	3/11/2019	12/31/2020	7,162.68
S2398	West	pumps	NEW-LS-PUMP UNIVERSITY PKWY	-	3/14/2019	12/31/2020	6,952.56
S2399	East	Equipment	MX-EP-COGEN PARTS	-	3/14/2019	12/31/2020	8,919.11
S2400	West	Collection	NEW-WP-HACH WIMS LINCENSES FOR	-	3/18/2019	12/31/2020	9,340.74
S2403	West	West Treatment Plant	MX-WP-CLARIFIERS	-	3/22/2019	12/31/2020	5,275.27
S2404	East	East Treatment Plant	NEW-EP-AIR RELIEF VALVE	-	3/22/2019		30,034.25
S2405	West	West Treatment Plant	REP-WP-RAS PUMP SEAL	-	3/22/2019	12/31/2020	8,581.99
S2406	West	West Treatment Plant	NEW-WP-ROCK FOR CONSTRUCTION	-	3/26/2019	12/31/2020	5,374.52

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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)
S2407	All	Equipment	SVC-SM-PUMP/HOSE RENTAL	-	3/26/2019	12/31/2020	4,496.13
S2408	West	Collection	PAINT-WP-DIGESTER	-	3/26/2019	12/31/2020	11,282.33
S2409	East	East Treatment Plant	REP-EP-BLDG 59 MAIN BREAKER	-	3/27/2019		8,068.74
S2410	West	Equipment	NEW-WP-MAGNETO GENERATOR FOR E	-	3/29/2019		5,896.18
S2411	West	West Treatment Plant	REP-WP-INSTALL WAUKESHA EXHAUST BLANKETS	-	4/9/2019	12/31/2020	5,573.27
S2412	East	CSO	NEW-CSO-DIAMOND HVAC	-	4/9/2019		14,803.12
S2413	East	East Treatment Plant	REP-EP-BOILER EXPANSION TANKS	-	4/10/2019	12/31/2020	4,233.98
S2414	East	Collection	REP-SM-OGDEN	-	4/15/2019	12/31/2020	-
S2416	East	Collection	REP-SM-EVANS & NEGLEY SEWER	-	4/17/2019	12/31/2020	13,644.70
S2417	West	Lift Station	NEW-LS-PUMP TALL TIMBERS	-	4/17/2019		7,168.34
S2418	West	West Treatment Plant	MX-WP-CLARIFIER #3	-	4/18/2019	12/31/2020	10,095.61
S2419	West	West Treatment Plant	REP-WP-AERATION #2 PIPING	-	4/18/2019	12/31/2020	9,111.77
S2421	East	East Treatment Plant	EAST WWTP EXPANSION PROJECT	-	4/22/2019	12/31/2020	5,267,376.37
S2422	West	West Treatment Plant	REP-WP-PIPING ON MOTORS	-	4/22/2019	12/31/2020	13,736.41
S2423	West	Lift Station	REP-LS-ROADWAY @ WAZNY	-	4/25/2019	12/31/2020	6,105.61
S2424	East	Collection	EWSU ADMINISTRATION OFFICE RENOVATIONS	-	5/1/2019		105,323.48
S2425	East	Collection	CASS ADAMS SOIL REMOVAL	-	5/6/2019	12/31/2020	614,618.05
S2426	East	East Treatment Plant	MX-EP-CLARIFIER 2 GATE	-	5/6/2019	12/31/2020	8,856.34
S2427	East	Lift Station	MX-LS-GATE @ WEINBACH	-	5/6/2019	12/31/2020	5,034.61
S2428	East	Lift Station	NEW-LS-WEINBACH PLATFORM	-	5/6/2019		13,771.95
S2429	West	West Treatment Plant	REP-WP-BAF BLOWER #6	-	5/6/2019	12/31/2020	4,537.61
S2430	East	Collection	MX-EP-CHLORINE/EVAPORATOR EQ	-	5/9/2019	12/31/2020	6,787.26
S2431	All	pumps	REP-LS-STOCKWELL PUMP	-	5/9/2019	12/31/2020	10,438.98
S2434	East	East Treatment Plant	MX-EP-DIGESTER PRV	-	5/20/2019	12/31/2020	11,684.17
S2435	East	East Treatment Plant	REP-EP- REPLACE COGEN THERMOCOUPLE	-	6/3/2019	12/31/2020	7,942.58
S2436	All	Equipment	NEW-GENERATOR-ENG	-	6/3/2019		11,472.94
S2438	East	East Treatment Plant	REP-EP-VAUGHN MIXER	-	6/6/2019	12/31/2020	6,038.71
S2440	All	Collection	NEW-SM-CLEANING NOZZLES	-	6/10/2019	12/31/2020	16,375.86
S2443	All	Collection	REP-SM-SURFACE REPAIR/PAVING	-	6/26/2019		11,496.31
S2444	East	Weir	INST-EP-NEW WEIR	-	6/28/2019	12/31/2020	11,523.99
S2445	East	East Treatment Plant	NEW-EP-GRIT PUMP	-	6/28/2019		7,303.62
S2446	East	East Treatment Plant	REB-EP-COGEN #1	-	6/28/2019		8,489.69
S2447	East	East Treatment Plant	REP-EP-CONTACT TANK	-	6/28/2019	12/31/2020	9,121.68
S2449	All	Vehicles	NEW-LS-FORK TRUCK	-	7/15/2019	12/31/2020	20,491.70

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S2450	West	West Treatment Plant	REP-WP-AERATION #3 DIFFUSER	-	7/15/2019	12/31/2020	5,026.69
S2451	East	Collection	REP-SM-SANITARY SEWER MORGAN AVE.	-	7/15/2019	12/31/2020	60,822.59
S2452	East	pumps	NEW-EP-PUMPS	-	7/15/2019	12/31/2020	11,384.03
S2453	East	East Treatment Plant	REP-EP-BOILERS 2 & 3	-	7/16/2019	12/31/2020	4,806.78
S2454	All	Collection	REP-SM-SEWER LINING	-	7/16/2019		54,216.71
S2455	East	Collection	NEW-SM-SEWER LINE BARKER AVE.	-	7/16/2019	12/31/2020	111,370.37
S2458	East	Collection	DEMO-LS-FENCING AT CASS ADAMS	-	7/26/2019	12/31/2020	4,298.40
S2459	West	West Treatment Plant	MX-WP-DIGESTER PRV	-	7/26/2019	12/31/2020	9,346.30
S2460	West	West Treatment Plant	REP-WP-RAS PUMP	-	7/26/2019		5,988.74
S2461	East	East Treatment Plant	NEW-EP-STORAGE CONTAINER	-	8/9/2019		7,277.34
S2462	East	East Treatment Plant	REP-EP-CLOSE GATE FOR BYPASS	-	8/9/2019		8,905.28
S2463	West	Lift Station	REP-LS-PFEIFFER PUMP STUD	-	8/9/2019	12/31/2020	7,722.21
S2464	West	Lift Station	REP-LS-REWORK PIPING FOR PFEIFFER	-	8/9/2019	12/31/2020	5,212.77
S2465	West	West Treatment Plant	REP-WP-HYPOCHLORITE PIPING	-	8/9/2019	12/31/2020	7,959.51
S2466	West	Lift Station	7TH AVE LIFT STATION REHAB	-	8/12/2019	12/31/2020	220,944.44
S2467	East	Equipment	NEW-EP-VALVES	-	8/12/2019	12/31/2020	38,875.44
S2468	West	Lift Station	NEW-LS-VFD @ PFEIFFER	-	8/12/2019	12/31/2020	11,855.56
S2469	West	Equipment	REB-LS-MOTORS & PUMPS FOR PFEIFFER	-	8/12/2019	12/31/2020	66,013.89
S2470	All	pumps	NEW-LS-PUMPS FOR ROSEBUD	-	8/12/2019	12/31/2020	9,606.59
S2471	All	pumps	NEW-LS-PUMP	-	8/12/2019	12/31/2020	10,522.70
S2472	All	Vehicles	VEHICLE & EQUIPMENT SERVICE, MAINT. & REPAIRS	-	8/27/2019	12/31/2020	26,973.09
S2473	East	CSO	NEW-CSO-HVAC AT DELAWARE	-	8/27/2019		6,422.00
S2474	East	CSO	NEW-CSO-HVAC SYSTEM @ DRESDEN	-	8/27/2019		6,560.74
S2475	East	Equipment	REB-EP-CO-GENS	-	8/29/2019	12/31/2020	-
S2476	East	Collection	SVC-CASS AVE-COAT RETAINING WALL	-	9/3/2019	12/31/2020	37,603.67
S2477	West	West Treatment Plant	NEW-WP-DRY WELL GRINDER PUMP	-	9/5/2019		8,403.03
S2478	East	pumps	REP-EP-#2 PLANT WATER PUMP	-	9/5/2019		6,014.29
S2479	East	pumps	REB-EP-WORTHINGTON PUMP	-	9/5/2019	12/31/2020	16,615.74
S2480	West	pumps	REB-WP-LAYNE PUMP	-	9/5/2019	12/31/2020	17,513.89
S2481	All	Vehicles	RENT-EP-FRONT END LOADER	-	9/6/2019	12/31/2020	5,961.81
S2482	All	Vehicles	VEHICLE LEASES	-	9/11/2019	12/31/2020	15,194.89
S2483	All	pumps	NEW-LS-SOLIDS HANDLING PUMP	-	9/11/2019	12/31/2020	5,362.84
S2484	All	CSO	SVC-INTERNET ACCESS FOR CSO'S	-	9/12/2019	12/31/2020	6,143.33
S2485	East	East Treatment Plant	SVC-EP-ANALYSIS OF DIGESTER DATA	-	9/18/2019	12/31/2020	30,536.30

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S2488	All	pumps	NEW-LS-PUMP FOR ROSEBUD	-	9/19/2019	12/31/2020	4,803.30
S2489	West	West Treatment Plant	MX-WP BLDG 28 ROOF DRAIN RELOCATE	-	9/23/2019		7,611.76
S2490	West	West Treatment Plant	NEW-WP-FAB & INSTALL W3 WATER	-	10/7/2019	12/31/2020	18,706.05
S2491	East	East Treatment Plant	REP-EP-FOG TRANSFER PUMP HOT TAPS	-	10/7/2019		2,137.50
S2492	All	pumps	REP-LS-PUMP FOR CROSSPOINT	-	10/7/2019	12/31/2020	4,847.31
S2493	East	East Treatment Plant	REP-EP- REPLACE MITER GEAR W/ACTUATOR	-	10/18/2019	12/31/2020	11,583.54
S2494	East	East Treatment Plant	REP-EP-REMOVE PLANT WATER PUMP	-	10/18/2019	12/31/2020	7,035.37
S2495	West	West Treatment Plant	REP-WP-PLANT AIR PIPING	-	10/18/2019		16,190.59
S2496	West	Lift Station	NEW-LS-HOIST MOTOR 7TH AVE	-	10/18/2019		15,752.10
S2497	All	Equipment	SUP-SM-MANHOLE PARTS	-	10/23/2019	12/31/2020	7,235.48
S2498	East	pumps	REB-EP-WORTHINGTON PUMP	-	10/23/2019	12/31/2020	16,615.74
S2499	East	pumps	REP-EP-BORGER PUMP	-	10/23/2019	12/31/2020	17,940.51
S2500	East	Collection	CASS CSO IMPROVEMENTS PROJECT CES/RPR	-	10/24/2019		-
S2501	East	East Treatment Plant	REP-EP-BOILER @ & 3	-	11/11/2019	12/31/2020	8,889.83
S2502	West	Lift Station	DESIGN WANSFORD YARD LIFT STATION & FORCE MAIN	-	11/15/2019		1,452,726.53
S2503	West	Collection	CHECK VALVE INSTALLATION CSO 015 SEVENTH AVE	-	11/15/2019	12/31/2020	45,491.20
S2504	West	Collection	ST JOE AVE CSO 022 CHECK VALVE INSTALLATION	-	11/15/2019	12/31/2020	46,209.72
S2505	All	Collection	LABOR & MATERIAL TO ROCK CONSTRUCTION JOB LOCATION	-	11/15/2019		12,084.04
S2506	All	Collection	SIPHON EVALUATION PHASE II	-	11/15/2019		195,047.73
S2507	West	Collection	NEW-SM-PAVEMENT ON FRANKLIN ST.	-	11/18/2019	12/31/2020	33,720.97
S2508	East	Collection	REP-OFFSITE-BEE SLOUGH CRADLE	-	11/18/2019	12/31/2020	60,169.64
S2509	East	Collection	MX-OFFSITE-PAINT RIVERSIDE BLDG	-	11/18/2019	12/31/2020	11,137.04
S2510	All	Equipment	NEW-WP-SPARE SEALS FOR MAIN PUMPS	-	12/5/2019	12/31/2020	7,580.37
S2511	East	CSO	NEW-CSO-ELEC OAK HLL	-	12/10/2019	12/31/2020	5,695.16
S2512	All	Equipment	CROSS CONNECTION CONTROL/BACKFLOW	-	12/11/2019		6,159.50
S2513	All	Equipment	SVC-LAB-GREASE EXTRACTOR	-	12/11/2019	12/31/2020	7,509.69
S2514	All	CSO	NEW-CSO-FLOW DATA UPGRADE	-	12/12/2019	12/31/2020	24,576.93
S2515	All	CSO	NEW-CSO-FLOW MODULE REPLACEMENT	-	12/12/2019	12/31/2020	22,519.36
S2516	All	Lift Station	CENTERRA RIDGE LIFT STATION CONTROL PANEL	-	12/16/2019	12/31/2020	24,910.14
S2517	All	Collection	DOOSAN DITCH CLEANING BUCKET	-	12/16/2019	12/31/2020	5,029.63
S2518	All	CSO	UPGRADE 21 CSO SITES TO 4G WIRELESS	-	12/16/2019		-
S2519	West	pumps	W WWTP REBUILD LAYNE WATER TURBINE PUMP	-	12/16/2019	12/31/2020	17,513.89
S2520	West	pumps	WILLOW CREEK LIFT ST REBUILD MYERS 20 HP SUB PUMP	-	12/16/2019	12/31/2020	5,925.22
S2521	All	Equipment	WACKER DT10 TRACK DUMPER	-	12/16/2019	12/31/2020	16,363.63

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S2522	All	Equipment	SKYFISH M6 DRONE FOR LIDAR EQUIPMENT	-	12/18/2019		-
S2523	All	Collection	CONCRETE FOR JOB SITES, CURBS, SIDEWALKS	-	1/13/2020		81,169.84
S2524	All	Collection	CONCRETE FOR PIPE & MANHOLES AT JOB SITES	-	1/13/2020		77,270.23
S2525	All	Vehicles	SEWER LEASED VEHICLES	-	1/13/2020		89,396.97
S2526	All	Equipment	MANHOLE BARRELS, CONES, RINGS, ETC	-	1/13/2020	12/31/2020	-
S2527	All	Vehicles	VEHICLE & EQUIPMENT SERVICE & REPAIRS	-	1/13/2020		66,219.43
S2528	All	Collection	ASPHALT CUTS AT JOB SITES	-	1/14/2020		374,896.37
S2529	All	Programming	PROGRAMMING & TELEMETRY	-	1/14/2020		220,298.20
S2530	All	Equipment	HAND TOOLS, PAINT, WOOD, MISC SUPPLIES	-	1/14/2020		6,413.90
S2531	East	Repairs	EAST PLANT ELECTRICAL REPAIRS	-	1/14/2020		112,737.53
S2532	All	Lift Station	LIFT STATION ELECTRICAL REPAIRS	-	1/14/2020		58,389.28
S2533	All	Vehicles	TIRE REPAIRS & REPLACEMENTS	-	1/14/2020		26,481.34
S2534	All	Vehicles	TIRES & TIRE REPAIR	-	1/14/2020		9,381.93
S2535	East	East Treatment Plant	EAST PLANT EQUIPMENT PAINTING	-	1/14/2020		60,386.25
S2536	West	Collection	WEST PLANT EQUIPMENT PAINTING	-	1/14/2020		65,785.41
S2537	All	Equipment	PIPE, FITTINGS, ADAPTERS	-	1/14/2020		94,811.55
S2538	All	Equipment	MANHOLE RISERS, RINGS, LIDS	-	1/14/2020	12/31/2020	15,303.51
S2539	All	Collection	BLANKET PO FOR E1 STATION REPAIR	-	1/15/2020	12/31/2020	18,360.60
S2540	West	Equipment	BOILER FAIL AT WEST PLANT	-	1/15/2020	12/31/2020	4,741.58
S2541	All	Collection	M&V SERVICE	-	1/15/2020	12/31/2020	92,797.44
S2542	East	CSO	HVAC MAINT. ON 7 CSO'S	-	1/15/2020	12/31/2020	7,737.12
S2543	All	Equipment	ROCK FOR VARIOUS JOB SITES	-	1/15/2020		211,809.08
S2544	West	Equipment	MX-REPLACE WEAR RINGS ON 7TH AVE LS	-	1/15/2020	12/31/2020	5,510.82
S2545	West	pumps	REP FAIRBANKS MORSE PUMP	-	1/22/2020	12/31/2020	4,571.00
S2546	East	East Treatment Plant	EP-REBUILD #1 & #2 COGENS	-	1/27/2020	12/31/2020	13,214.68
S2547	West	pumps	PUMPS & PIPING FOR EVANS & MICHIGAN	-	2/3/2020	12/31/2020	12,861.53
S2548	All	CSO	CSO ELECTRICAL REPAIRS	-	2/3/2020		8,956.86
S2549	West	Lift Station	PFEIFFER LS FORCE MAIN REPAIR	-	2/12/2020	12/31/2020	14,784.47
S2550	East	East Treatment Plant	EP-CONTACT TANK WEIR MODIFICATIONS	-	2/14/2020	12/31/2020	19,800.19
S2551	East	Valve	EP-VALVE REPLACEMENT IN HEADWORKS	-	2/14/2020	12/31/2020	15,338.67
S2552	West	Equipment	LS-PFEIFFER NEW EQUIPMENT & INSTALLATION	-	2/14/2020	12/31/2020	6,705.61
S2553	East	Collection	OAK MEADOW #3 LIFT ST RELIEF SEWER	-	2/19/2020	12/31/2020	135,945.64
S2555	All	Collection	SEWER REPAIRS	-	2/24/2020	12/31/2020	50,058.42
S2556	East	Collection	EP EQUIPMENT FOR CONFINED SPACE TRAILER	-	2/24/2020	12/31/2020	4,917.11

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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)
S2557	West	Collection	LS-7TH AVE BAR SCREEN COMPONENTS	-	2/24/2020	12/31/2020	13,894.09
S2558	East	Collection	EP BLDG 82 TRUCK FLUSH	-	2/25/2020	12/31/2020	7,317.50
S2559	East	Collection	EP-HEATING LOOP MX	-	2/25/2020	12/31/2020	5,407.33
S2560	West	Collection	WP- INSTALL WATER METER	-	2/25/2020		12,605.96
S2561	West	Collection	WP-INSTALL WATER METER	-	2/25/2020		15,737.33
S2562	All	Equipment	PUMP PARTS	-	3/4/2020		6,623.16
S2565	West	Collection	PAVE EXCAVATED AREA FOR 6TH & CEDAR STREET	-	3/13/2020	12/31/2020	8,785.16
S2569	West	Collection	LS-7TH AVE BAR SCREEN REPAIR	-	3/17/2020	12/31/2020	27,972.84
S2570	West	Collection	LS-UNIVERSITY HGHTS CONCRETE REPLACEMENT	-	3/17/2020	12/31/2020	8,395.59
S2571	West	West Treatment Plant	WP-INSTALL #2 PLANT WATER PUMP	-	3/17/2020	12/31/2020	5,854.92
S2573	East	Collection	EP BACKFLOW TESTING	-	3/23/2020	12/31/2020	10,137.03
S2574	East	Collection	INSTALL GAS LINE AT RIVERSIDE	-	3/23/2020		5,592.30
S2575	West	Collection	WP BACK FLOW TESTING	-	3/23/2020	12/31/2020	9,699.66
S2576	All	Collection	PAINT LIFT STATIONS	-	3/26/2020	12/31/2020	24,035.61
S2577	West	West Treatment Plant	WAUKESHA ENGINE #2 REPAIR AT THE WEST PLANT	-	4/1/2020	12/31/2020	4,528.34
S2582	East	Equipment	REMODEL TRAINING ROOM AT ALLENS LANE	-	4/6/2020		6,749.63
S2583	West	Lift Station	CHANGE ORDER #1 FOR BUSLER LS ELIMINATION	-	4/6/2020	12/31/2020	-
S2585	East	Collection	EP CAP 12" CONTACT TANK LINE	-	4/8/2020	12/31/2020	7,303.35
S2586	West	Collection	LS REHAB PIPING PFEIFFER	-	4/8/2020	12/31/2020	11,193.88
S2587	West	CSO	UPDATE LIGHTING AT DIAMOND & BAKER CSO	-	4/16/2020	12/31/2020	4,557.75
S2588	West	CSO	REPLACE (2) HATCHES AT DELAWARE CSO	-	4/20/2020	12/31/2020	4,598.39
S2589	West	CSO	UPGRADE LIGHTING @ DRESDEN & MARYLAND CSO'S	-	4/20/2020	12/31/2020	4,557.75
S2590	West	CSO	UPGRADE LIGHTING AT DELAWARE & FRANKLIN CSO'S	-	4/21/2020	12/31/2020	4,557.75
S2593	East	CSO	INSTALL GATE BEHIND OAK HILL CSO	-	4/30/2020	12/31/2020	11,229.58
S2594	East	East Treatment Plant	EP AIR DUCT MODIFICATION IN BLDG 59	-	5/1/2020	12/31/2020	12,524.98
S2597	All	Equipment	HOSE & CLAMPS FOR FLUSHER TRUCKS	-	5/11/2020	12/31/2020	5,384.47
S2598	East	Collection	EP FAB CONTROLLER BOX	-	5/11/2020		5,240.22
S2599	West	Collection	REPAIR HOIST AT MILLERSBURG LS	-	5/13/2020		4,441.93
S2600	East	Collection	EP REP WATERLINE IN BLDG 55	-	5/13/2020	12/31/2020	6,513.65
S2601	All	pumps	CHK METERING PUMPS DURING CHEMICAL START UP	-	5/15/2020	12/31/2020	5,027.33
S2604	All	Vehicles	SVS & REP ON MULTIHOOG AND STREET SWEEPER	-	6/8/2020		7,373.41
S2605	East	East Treatment Plant	EP REMOVE & REPLACE CONCRETE	-	6/8/2020	12/31/2020	14,624.57
S2606	West	West Treatment Plant	WP BAF GATE REPAIR	-	6/8/2020	12/31/2020	4,632.65
S2607	East	Equipment	PARTS FOR COGENS AT EP	-	6/8/2020	12/31/2020	4,575.67

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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)
S2608	East	East Treatment Plant	EP - CLEAN & INSPECT CLARIFIER #2	-	6/12/2020	12/31/2020	5,733.93
S2609	West	West Treatment Plant	WP BAF ACTUATOR REMOVAL	-	6/12/2020	12/31/2020	15,948.35
S2610	East	Collection	EP FAB & INSTALL W3 WATER LINE	-	6/12/2020	12/31/2020	36,902.34
S2611	East	Collection	EP REPLACE 8" HDPE WITH STAINLESS STEEL	-	6/12/2020	12/31/2020	7,782.28
S2614	West	Equipment	REPLACE CHAIN ON 7TH AVE BAR SCREEN	-	6/17/2020	12/31/2020	7,269.84
S2615	West	Collection	WP FAB & INS POTASSIUM PERMANGANATE HOPPER	-	6/17/2020		14,466.90
S2617	All	Collection	FLOWABLE FILL AT VARIOUS JOB SITES	-	6/23/2020		11,079.94
S2618	West	Equipment	(3) CHLORINATORS FOR THE WEST PLANT	-	6/23/2020		7,558.22
S2619	All	Collection	FABRICATE CABLE TRAY STANDS	-	6/23/2020	12/31/2020	7,936.32
S2621	East	East Treatment Plant	EP - REROUTE 6" DRAIN PIPE AT BLDG 70	-	7/8/2020	12/31/2020	8,121.63
S2622	East	Collection	EP REPLACE DRIP TRAP	-	7/8/2020	12/31/2020	5,292.97
S2623	West	Lift Station	LS INSTALL VFD AT PFEIFFER	-	7/9/2020	12/31/2020	11,297.76
S2624	West	Lift Station	MESKER PARK LS ARV REPAIR	-	7/9/2020	12/31/2020	8,944.84
S2626	East	Collection	ALLENS LANE DRIVEWAY IMPROVEMENTS	-	7/16/2020	12/31/2020	35,291.69
S2627	All	Collection	LABOR & MATERIAL TO PERFORM EMERGENCY REPAIRS ON (-	7/16/2020		44,358.60
S2628	West	pumps	REPAIR 3 FAIRBANKS MORSE PUMPS FOR PFEIFFER	-	7/16/2020	12/31/2020	33,321.27
S2630	All	Vehicles	ENGINEERING SERVICES NOMAD TRAILER	-	7/22/2020	12/31/2020	5,077.13
S2631	All	Lift Station	LS REMOVE PUMP & VALUTE	-	7/22/2020		5,431.02
S2632	West	Lift Station	7TH AVE LIFT STATION REHAB - EB	-	7/24/2020		52,849.66
S2634	West	pumps	LS PFEIFFER PUMP INSTALLATION	-	7/27/2020	12/31/2020	6,408.52
S2635	All	pumps	MOYNO 2000 PUMP REPLACEMENT FOR SOLIDS HANDLING	-	7/30/2020		23,103.63
S2636	East	pumps	BY PASS PUMP RENTAL AT E RIVERSIDE & JEANETTE AVE	-	7/30/2020	12/31/2020	5,020.60
S2637	West	pumps	SUBMERSIBLE PUMPS FOR MILLERSBURG LS	-	7/30/2020	12/31/2020	88,200.51
S2638	East	Collection	EP REHAB 24" BUTTERFLY VALVES	-	8/3/2020	12/31/2020	16,385.14
S2639	West	Equipment	(4) YSI D.O. SENSORS FOR THE WEST PLANT	-	8/17/2020		6,575.99
S2640	West	West Treatment Plant	WP #3 FLEX SCREEN REPAIR	-	8/17/2020	12/31/2020	8,444.70
S2641	East	Collection	CASS AVE UPPER WALL EXCAVATE & INSTALL FLEXMAT	-	9/1/2020	12/31/2020	20,363.77
S2642	East	Collection	CASS LOWER WALL EXCAVATION & FLEXMAT INSTALL	-	9/1/2020	12/31/2020	28,875.84
S2643	West	Lift Station	BONNIEVIEW & OAK LIFT STATION REHAB PHASE I	-	9/2/2020		1,195,390.13
S2644	East	Collection	COVERT & ALVORD COMBO SEWER REPAIR	-	9/2/2020		18,705.34
S2645	All	Equipment	PIPING MATERIAL FOR INVENTORY	-	9/2/2020		38,698.87
S2646	West	Collection	REPLACE DOOR AND FRAME AT 7TH AVE LS	-	9/8/2020	12/31/2020	4,822.74
S2647	All	pumps	GRINDER PUMP FOR LIFT STATION	-	9/8/2020	12/31/2020	5,237.36
S2648	All	Collection	REPLACEMENT OF YSI NETWORK PROBES	-	9/11/2020	12/31/2020	16,555.83

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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)
S2649	East	Collection	PLAZA DRIVE SANITARY SEWER REPAIR	-	9/15/2020	12/31/2020	29,074.47
S2650	All	Equipment	COMPUTER AND INTERFACE FOR CCT	-	6/6/2016	12/31/2020	14,766.08
Cumulative Actual Total Project Cost (2015 dollars)							66,946,653.78

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