



## 2020 ANNUAL REPORT

March 2021

# CITY OF FORT SMITH, ARKANSAS

## Consent Decree Compliance Program and Infrastructure Improvements, 2020 Annual Report.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



A handwritten signature in blue ink, which appears to read "Lance McAvoy", is written over a horizontal line.

Lance McAvoy, Utility Director  
City of Fort Smith, AR  
Utility Department

30 March 2021

Date

# Table of Contents

<b>Section 1 Summary Report .....</b>	<b>1-1</b>
<b>Section 2 Consent Decree Activities .....</b>	<b>2-1</b>
2.1 Sewer System Condition Assessments Activities.....	2-1
2.1.1 Sewer System Assessments (SSAs) .....	2-1
2.1.2 Condition Assessment Results.....	2-2
2.2 Condition Remedial Measures .....	2-6
2.3 Pump Station/ Force Main Evaluation Report.....	2-8
2.4 Capacity Assessment and Hydraulic Modeling.....	2-8
2.5 Capacity Remedial Measures.....	2-11
2.6 Additional Remedial Measure Activities .....	2-11
2.7 CMOM Activities.....	2-11
2.7.1 FOG Control Program .....	2-11
2.7.2 Root Control Program .....	2-13
2.7.3 Gravity Sewer Line Cleaning Program .....	2-14
2.7.4 CSSA Program.....	2-18
2.7.5 Continuing Pump Station and Force Main Evaluation and Preventive Maintenance Program.....	2-18
2.7.6 Continuing Capacity Assurance Program .....	2-18
2.7.7 SSO Reporting.....	2-18
2.7.8 OERP .....	2-19
2.7.9 IMS Update.....	2-19
2.7.10 SOP Component .....	2-20
2.7.11 Private Line Defect Remedial Program.....	2-20
2.7.12 Comprehensive Training Program .....	2-20
2.7.13 Inventory Management System Update .....	2-21
2.8 SEP .....	2-22
2.9 Mitigation Program Requirement .....	2-22
2.10 Funding Limitations.....	2-22
<b>Section 3 Attachments</b>	
Attachment 1 2020 SSA Condition Assessment Report	
Attachment 2 FOG Generator Information	
Attachment 3 Root Control Program	
Attachment 4 2020 Sanitary Sewer Overflow Events	
Attachment 5 2018, 2019, and 2020 Reoccurring Sanitary Sewer Overflow Events and Activities	
Attachment 6 2018, 2019, and 2020 Reoccurring PSLR Events	
Attachment 7 Standard Operating Procedures	
Attachment 8 Private Line Defect Remedial Program Plan Information	
Attachment 9 Comprehensive Training Program Information	
Attachment 10 Supplemental Environmental Project (SEP)	
Attachment 11 Letters of Notification	

## List of Figures

Figure 2-1 2020 SSA Condition Assessment Areas .....	2-3
Figure 2-2 2020 Flow Meter Locations .....	2-4
Figure 2-3 2020 Additional Sewer Line Locations .....	2-5
Figure 2-4 2020 Condition Remedial Measures .....	2-9
Figure 2-5 2020 Capacity Remedial Measures.....	2-10
Figure 2-6 2020 Sewer Lines Cleaned to Date .....	2-16
Figure 2-7 2020 Targeted Line Cleaning.....	2-17

## List of Tables

Table 1-1 CD Milestones.....	1-2
Table 2-1 SSA Area Summary .....	2-1
Table 2-2 Condition Assessment Status .....	2-2
Table 2-3 NASSCO PACP Score Summary .....	2-6
Table 2-4 Basin 12 Remedial Measures Estimated Schedule.....	2-7
Table 2-5 Condition Related Remedial Measure Projects Status .....	2-7
Table 2-6 Gravity Sewer Line Cleaning.....	2-14

## List of Acronyms

ADEQ	Arkansas Department of Environmental Quality
CCA	Continuing Capacity Assurance
CCTV	Closed Circuit Television
CIPP	Cured-In-Place Pipe
CMOM	Capacity, Management, Operations, & Maintenance
CSSA	Continuing Sewer System Assessment
CTP	Comprehensive Training Plan
CWA	Clean Water Act
DOL	Date of Lodging
DMR	Discharge Monitoring Report
EPA	U.S. Environmental Protection Agency
FOG	Fats, Oil and Grease
GIS	Geographic Information System
I&I	Infiltration and Inflow
IMS	Information Management System
MACP	NASSCO's Manhole Assessment and Certification Program
MGD or mgd	Million Gallons per Day
NASSCO	National Association of Sewer Service Companies



NPDES	National Pollutant Discharge Elimination System
OERP	Overflow Emergency Response Plan
PACP	NASSCO's Pipe Assessment and Certification Program
PSLR	Private Service Line Release
SL-RAT	Sewer Line Rapid Assessment Tool
SOP	Standard Operation Procedure
SSA	Sewer System Assessment
SSO	Sanitary Sewer Overflow
U.S.	United States
WCTS	Wastewater Collection and Transmission System
WWTP	Wastewater Treatment Plant

# Definitions

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Unless otherwise defined herein, or expressly stated in the City of Fort Smith Sewer Use Ordinance, terms used in in the plans comprising the CMOM Program and Implementation Plan shall have the meanings given to those terms in the CWA and the EPA Consent Decree lodged for City of Fort Smith, Arkansas. The terms and acronyms are defined as follows:

**ADEQ** shall mean the Arkansas Department of Environmental Quality, and any successor departments or agencies of the State of Arkansas.

**Annual Report** shall mean the report to be submitted annually pursuant to Section X of the Consent Decree.

**Article** shall mean a portion of Section V ("Comprehensive Remedial Requirements" Section) of the Consent Decree.

**Basin** shall mean a section of a Sewershed that is a distinct wastewater collection area, and designated by Fort Smith as such.

**Building/Private Property Backup** shall mean a wastewater backup into a building and/or a wastewater overflow onto private property that is caused by blockages, flow conditions or other malfunctions in the WCTS. "Building/Private Property Backup" does not include a wastewater backup into a building and/or a wastewater overflow onto private property that is caused solely by a blockage or other malfunction of a Private Service Lateral or other piping or conveyance system that Fort Smith does not own or operate.

**Calendar Year** shall mean the twelve (12) month period starting on January 1 and ending on December 31 of a given year.

**Capacity Constraint** shall mean those discrete components, or groups of components of the WCTS that are determined by the City, consistent with Section V, Article Four ("Capacity Assessment and Hydraulic Modeling") of the Consent Decree to have capacity deficiency issues that have caused or significantly contributed to previous capacity-related SSOs; that are likely to cause or significantly contribute to future capacity-related SSOs; and/or that are identified as overflow locations for any storm event presented in Section V, Article Four, Paragraph 30.

**City or Fort Smith** shall mean the City of Fort Smith, Arkansas.

**Clean Water Act** or **CWA** shall mean the Federal Clean Water Act found at 33 U.S.C. §§ 1251-1387.

**CMOM** or **Capacity, Management, Operations, and Maintenance** shall mean a program of accepted industry practices to properly manage, operate and maintain sanitary sewer collection, transmission and treatment systems, investigate capacity constrained areas of these systems, and respond to SSO events, including as identified by the Guide for Evaluating Capacity, Management, Operation, and Maintenance (CMOM) Programs (EPA, Jan. 2005).

**Consent Decree** or **Decree** shall mean the Decree (and all Appendices) lodged by the U.S. EPA against the City of Fort Smith.

**Consultant** shall mean a professional engineer licensed in the State of Arkansas or other recognized professional within a field of practice, with appropriate qualifications, experience and adequate staff and resources necessary to undertake any program plan, study, analysis, design or report required by the terms of the Consent Decree.

**Contractor** shall mean a person or entity who in pursuit of its business undertakes to perform a job or piece of work, retaining in himself control of means, method and manner of accomplishing the desired result.

**Critical Response Time** shall mean the time interval between activation of the high wet well level alarm at a Pump Station and the first SSO from the WCTS tributary to that Pump Station under peak dry-weather flow conditions or under peak wet-weather flow conditions (generated by the analysis rainfalls presented in Section V, Article Four ("Capacity Assessment and Hydraulic Modeling") of the Consent Decree), whichever weather conditions prevail at the time of the SSO.

**Cross-Connection** shall mean any constructed connection, whether by pipe or any other means, between any part of the WCTS and any part of a storm water drainage system that is capable of conveying flow between the two systems.

**Date of Lodging** shall mean the date the United States filed a copy of the Consent Decree signed by all Parties with the District Court, along with the Complaint, prior to submitting the Consent Decree for publication in the Federal Register to provide an opportunity for public review and comment thereon. The Date of Lodging for the City's Consent Decree is January 02, 2015 (01/02/2015).

**Day** or **Days** shall mean a calendar day or calendar days unless expressly stated to be a business day or business days. In computing any period of time under the Consent Decree, where the last Day would fall on a Saturday, Sunday, or a Federal or State holiday, the period shall run until the close of the next business day.

**Deliverable** shall mean any written document required to be prepared and/or submitted by or on behalf of Fort Smith pursuant to the Consent Decree.

**Direct Discharge** shall mean a sewer pipe installed to convey wastewater from a sanitary sewer for release into the environment.

**Environmental Protection Agency** or **EPA** shall mean the United States Environmental Protection Agency and any successor departments or agencies of the United States.

**Equalization Facilities** or **EQ Facilities** shall mean those components of the WCTS designated, designed or intended for the temporary storage of wet-weather wastewater flows.

**Fats, Oil and Grease** or **FOG** shall mean fats, oil and grease, whether petroleum-based, mineral-oil-based, animal-based or vegetable-based.

**FOG Control Device** shall mean any grease interceptor, grease trap, or other mechanism, device, or process that attaches to or is applied to wastewater plumbing fixtures and/or Private Service Lines to collect, contain, or remove FOG from the wastewater stream of a FOG Generator prior to discharge into the WCTS.

**FOG Control Program Plan or Fats, Oil and Grease Control Program Plan** shall mean Fort Smith's program to control discharge of FOG into the WCTS as developed and approved under **Section V, Article Seven, Paragraph 37** of the Consent Decree.

**FOG Generator** shall mean any food service establishment or food-processing establishment that discharges FOG into the WCTS, provided, however, that those establishments covered by the City's industrial user program shall not be considered a FOG Generator for the purposes of the Consent Decree.

**Force Main** shall mean any pipe that receives and conveys, under pressure, wastewater from the discharge side of a pump. A Force Main is intended to convey wastewater under pressure.

**Gravity Sewer Line** shall mean a pipe that receives, contains and conveys wastewater not normally under pressure, but intended to flow unassisted under the influence of gravity.

**Small-Diameter Gravity Sewer Lines** shall mean Gravity Sewer Lines that are less than twenty-four (24) inches in diameter.

**Large-Diameter Gravity Sewer Lines** shall mean Gravity Sewer Lines that are twenty-four (24) inches or greater in diameter.

**Infiltration** as defined by 40 C.F.R. § 35.2005(b) (20) shall mean water other than wastewater that enters a WCTS (including sewer service connections and foundation drains) from the ground through such means as defective pipes, pipe joints, connections, or manholes.

**Inflow** as defined by 40 C.F.R. § 35.2005(b) (21) shall mean water other than wastewater that enters a WCTS (including sewer service connections) from sources such as, but not limited to, roof leaders, cellar drains, yard drains, area drains, drains from springs and swampy areas, manhole covers, cross connections between storm sewers and sanitary sewers, catch basins, cooling towers, storm water, surface runoff, street wash waters, or drainage.

**Infiltration and Inflow or I&I** shall mean the total quantity of water from Infiltration and Inflow without distinguishing the source.

**Interest** shall mean interest accruing on a sum calculated in the manner provided by 28 U.S.C. § 1961.

**Manhole Assessment and Certification Program or MACP** shall mean the **National Association of Sewer Service Companies (NASSCO)** Manhole Assessment and Certification Program.

**Massard Permit** shall mean NPDES Permit Number AR0021750 issued to City pursuant to Section 402 of the Clean Water Act, 33 US § 1342, and the Arkansas Water and Air Pollution Control Act, Ark. Code Ann. § 8-4-10, et seq., for the Massard POTW and any future extended, modified or reissued permit.

**Massard WWTP** shall mean the publicly owned treatment works that is owned and operated by the City located in Fort Smith with an address of **1609 North 9<sup>th</sup> Terrace, Barling, Arkansas**.

**Month** shall mean one calendar month running from a numbered day to the same numbered day of the following calendar month, regardless of whether the particular month has 28, 29, 30, or 31 days. If a triggering event would occur on a day of the month that does not exist (for example, February 30), then the event shall be due on the first day of the following month (for example March 1).

**NASSCO** shall mean the National Association of Sewer Service Companies.

**P Street Permit** shall mean NPDES Permit Number AR0033278 issued to City pursuant to Section 402 of the Clean Water Act, 33 U.S.C. § 1342, and the Arkansas Water and Air Pollution Control Act, Ark. Code Ann. § 8-4-10, et seq., for the P Street POTW and any future, extended, modified or reissued permit.

**P Street WWTP** shall mean the publicly owned treatment works that is owned and operated by City and that is located at **13 North P Street in Fort Smith, Arkansas**.

**Pipe Assessment and Certification Program** or **PACP** shall mean the NASSCO Pipe Assessment and Certification Program.

**Pipe Segment** shall mean the portion of a Gravity Sewer Line extending from manhole to manhole.

**Private Service Line** shall mean a sewer line which is not owned or operated by City, but which conveys wastewater from a building to a main line of the WCTS.

**Private Service Line Release** or **PSLR** shall mean any spill, release, or diversion of sewage from a Private Service Line to any location other than the WCTS caused solely by a blockage or other malfunction in that Service Line, even if the release does not reach Waters of the State or waters of the United States.

**Pump Station** or **Pumping Station** shall mean facilities owned or operated by Fort Smith that contain pumps that lift wastewater from a lower to a higher hydraulic elevation, including all related electrical, mechanical, and structural systems necessary to the operation of that Pump Station within the WCTS.

**Recurring Private Service Line Release** shall mean a Private Service Line Release that has occurred within three (3) years of a prior Private Service Line Release at the same location.

**Recurring SSO, Recurring Dry-Weather SSO, and Recurring Wet-Weather SSO.** A "Recurring SSO" shall mean any SSO that has occurred within three (3) years of a prior SSO that occurred at the same location under any weather conditions (wet or dry). A "Recurring Dry-Weather SSO" shall mean an SSO that has occurred during dry weather within three (3) Years of a prior SSO at the same location that also occurred during dry weather. A "Recurring Wet-Weather SSO" shall mean an SSO that has occurred during wet weather within three (3) Years of a prior SSO at the same location that also occurred during wet weather.

**Remedial Measures** shall mean spot repairs, trenchless sewer rehabilitation, sewer replacement, repair or reconstruction, and any other appropriate WCTS improvement technique for resolving condition deficiencies and/or capacity deficiencies in a particular system asset or group of assets within the WCTS, in accordance with **Appendix D** of the Consent Decree ("Remedial Determination Process"), that have caused or significantly contributed to previous SSOs, and/or, that are likely to cause or significantly contribute to future occurrence of SSOs.

**Sanitary Sewer Overflow or SSO** shall mean any spill, release, or diversion of sewage from the WCTS, including: (1) an overflow that results in a discharge to Waters of the State or waters of the United States, and (2) an overflow of wastewater, including a wastewater backup into a building or wastewater overflow onto private property, such as a Building/Private Property Backup (other than a backup caused solely by a blockage or other malfunction in a privately owned sewer or building lateral (i.e. a "Private Service Line")), even if that overflow does not reach Waters of the State or waters of the United States.

**Sewershed** shall mean a section of City's WCTS that is a distinct drainage or wastewater collection area and designated as such by City for the P Street WWTP and the Massard WWTP.

**State of Arkansas or State** shall mean the State of Arkansas acting on behalf of ADEQ.

**Sub-basin** shall mean a section of a Basin that is a distinct wastewater collection area and designated by Fort Smith as such.

**Tabulation** shall mean a document in a format containing text searchable cells or fields that is also sortable by data category.

**United States or U.S.** shall mean the United States of America, acting on behalf of EPA.

**Wastewater Treatment Plant or WWTP** shall mean the Massard or P Street wastewater treatment plants and components thereof.

**Wastewater Collection and Transmission System or WCTS** shall mean the sanitary sewer collection, retention and transmission systems for both the Massard WWTP Sewershed and the P Street WWTP Sewershed, including all pipes, Force Mains, Gravity Sewer Lines, Pump Stations, EQ Basins, manholes and appurtenances thereto, that are owned or operated by City at any time from the Date of Lodging of the Consent Decree until its termination under Section XXIV.

**Waters of the State** shall mean all streams, lakes, marshes, ponds, watercourses, waterways, wells, springs, irrigation systems, drainage systems, and all other bodies of accumulations of water, surface and underground, natural and artificial, public or private, which are contained within, flow through, or border upon the State of Arkansas, or any portion of the State of Arkansas, as defined in Ark. Code Ann. §84-102(10).

**Year** shall mean a twelve-month period regardless of the beginning date. In the event a triggered event shall be due on a year ending date that does not exist (for example, February 29 in some years), then the event shall be due on the first day of the following month (for example, March 1).

# Section 1

## Summary Report

In accordance with Section II of the Consent Decree (CD), entered into between the United States Environmental Protection Agency (EPA), the Arkansas Department of Environmental Quality (ADEQ) and the City of Fort Smith, Arkansas (City) with Date of Lodging (DOL) of January 02, 2015, the City is implementing a CD compliance program (Program). The Program consists of the review of the City's wastewater treatment plants; improvements and/or modifications to its wastewater collection and transmission systems (WCTS); improvements/modifications to its operations and maintenance; and the goal of abatement of sanitary sewer overflows (SSO). The Program includes sewer system assessments, conditions ratings, and remediation; and capacity remedial measures plans, design and construction. At the same time, the City must continue to deliver its asset management projects every year regardless of the demands of the Program.

Pursuant to requirements of Section X, Reporting, the City has prepared the following Annual Report for the period from January 01, 2020 to December 31, 2020. This Annual Report contains all applicable information required by the CD, which includes all activities, planned deliverables, accomplishments, and completed improvements performed before or during 2020. The City has not fully met the stipulated requirements for the Year 2020 because of the financial and timing impacts of the COVID-19 and May 2019 flood force majeure events. Additionally, the City is still recovering from the 2019 flood and working with FEMA to complete the repairs and submit the reimbursement for eligible expenses related to the recovery. The following is a list of CD Sections, with their associated document reference, for which detailed information, data tabulations, exhibits, plans and/or reports have been compiled in order to achieve compliance for the 2020 Annual Report:

- Sewer System Assessments (SSAs), Section V, Article One; Section X, Paragraph 91;
- Condition Remedial Measures, Section V, Article Two; Section X, Paragraph 92;
- Capacity Assessment and Hydraulic Modeling, Section V, Article Four;
- Capacity Remedial Measures, Section V, Article Five and Section X, Paragraph 93, Appendixes E1 and E2;
- Capacity, Management, Operations, and Maintenance (CMOM) Activities, Section V, Article Seven; Section X, Paragraph 94;
  - Fats, Oil and Grease (FOG) Control Program Section V, Article Seven, Paragraph 37; Section X, Paragraph 94, a;
  - Root Control Program Section V, Article Seven, Paragraph 39; Section X, Paragraph 94, b;



- Gravity Sewer Line Cleaning Program Section V, Article Seven, Paragraph 41; Section X, Paragraph 94, c;
- Continuing Sewer System Assessment (CSSA) Program Section V, Article Seven, Paragraph 43; Section X, Paragraph 94, d;
- Continuing Pump Station and Force Main Evaluation and Preventive Maintenance Program Section V, Article Seven, Paragraph 45; Section X, Paragraph 94, e;
- Continuing Capacity Assurance Program Section V, Article Seven, Paragraph 46; Section X, Paragraph 94, f;
- SSO Reporting Section V, Article Seven, Paragraph 47; Section X, Paragraph 94, g;
- Information Management System (IMS) Update Section V, Article Seven, Paragraph 50; Section X, Paragraph 94, h;
- SSO Emergency Response Program (OERP) Section V, Article Seven, Paragraph 48; Section X, Paragraph 94, i;
- Standard Operating Procedures (SOP component) Section V, Article Seven, Paragraph 53; Section X, Paragraph 94, j;
- Private Line Defect Remedial Program Section V, Article Seven, Paragraph 54; Section X, Paragraph 94, k;
- Employee Training Program Section V, Article Seven, Paragraph 55; Section X, Paragraph 94, l;
- Inventory Management System Section V, Article Seven, Paragraph 56; Section X, Paragraph 94, m;
- Supplemental Environmental Project (SEP) Status, Appendix F, Subsection D; Section X, Paragraph 95;
- Mitigation Program Requirement, Section VI, Paragraph 70.a.

This Annual Report provides pertinent data and information as required in Section IX, Deliverables and Review Process, Paragraphs 80 and 81.

Table 1-1 below provides a list of completed milestone activities required for the 2020 CD Annual Reporting period.

**Table 1-1 CD Milestones**

CD Reference	CD Activity	CD Date	Status	Date Submitted
	Date of Lodging	02 Jan '15	Complete	02 Jan '15
Section V, Article One	Complete SSAs on 40 miles of Gravity Sewer Lines Annually	31 Dec '20	Completed 21.9 miles in 2020 Report Year	Mar '21

Table 1-1 CD Milestones

CD Reference	CD Activity	CD Date	Status	Date Submitted
Section V, Article One	Complete SSAs on 150 miles of Gravity Sewer Lines in 3-years	31 Dec '17	Completed	Mar '18
Section V, Article One	Complete SSAs on 300 miles of Gravity Sewer Lines in 6-years <ul style="list-style-type: none"> <li>- 159.5 miles in the 3-year requirement period, plus 52.8 miles in 2018, 53.1 miles in 2019, and 21.9 miles in 2020</li> </ul>	31 Dec '20	Behind Schedule (95% of Goal Achieved)  287.3 miles of 300 Mile Goal	Mar '21
Section V, Article One	Complete SSAs on remaining Gravity Sewer Lines <ul style="list-style-type: none"> <li>-</li> </ul>	31 Dec '22	Behind Schedule	Mar '21
Section V, Article One	2015 Condition Assessment Report Submitted	31 Mar '16	Complete	Mar '16
Section V, Article One	2016 Condition Assessment Report Submitted	31 Mar '17	Complete	Mar '17
Section V, Article One	2017 Condition Assessment Report Submitted	31 Mar '18	Complete	Mar '18
Section V, Article One	2018 Condition Assessment Reports (In-House and RJN Group) Submitted	31 Mar '19	Complete	Mar '19
Section V, Article One	2019 Condition Assessment Reports (In-House and RJN Group) Submitted	31 Mar '20	Complete	Mar '20
Section V, Article One	2020 Condition Assessment Reports	31 Mar '21	Complete	Mar 21
Section V, Article Two	Remedial Measure Plan for Basin 12 Submitted for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Mar '16  5 July '16	Complete	Mar '16
Section V, Article Two	Remedial Measure Plan for 2015 SSA Area Submitted for Approval	31 Mar '17	Complete	Mar '17
Section V, Article Two	Remedial Measure Plan for 2016 SSA Area Submitted for Approval	31 Mar '18	Complete	Mar '18
Section V, Article Two	Remedial Measure Plan for 2017 SSA Area Submitted for Approval	31 Mar '19	Complete	Mar '19
Section V, Article Two	Remedial Measure Plan for 2018 SSA Area Submitted for Approval <ul style="list-style-type: none"> <li>- Letter identifying missing plan for in-house work from EPA</li> <li>- City submitted report to EPA</li> </ul>	31 Mar '20  22 Jan '21  11 Feb '21	Complete	Mar '20
Section V, Article Two	Remedial Measure Plan for 2019 SSA Area Submitted for Approval	31 Mar '21	Requested 90 Day Delay	
Section V, Article Three	Pump Station and Force Main Evaluation Report Submitted for Approval	31 Mar '18	Complete	Mar '18
Section V, Article Four	Hydraulic Model Update Report Submitted for Approval <ul style="list-style-type: none"> <li>- EPA Comments</li> <li>- Response</li> </ul>	31 Mar '17  12 June '17 9 Aug '17	Complete	Mar '17

Table 1-1 CD Milestones

CD Reference	CD Activity	CD Date	Status	Date Submitted
Section V, Article Four	Capacity Assessment Report Submitted for Approval	31 Mar '18	Complete	Mar '18
Section V, Article Four	Capacity Remedial Measures Plan submitted for Approval <ul style="list-style-type: none"> <li>- EPA Comments</li> <li>- Response</li> <li>- EPA Comments</li> </ul>	30 Mar '20 05 Oct '20 04 Nov '20 03 Mar '21		
Section V, Article Seven	Root Control Program Plan Submitted for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '15 5 July '16	Complete	Dec '15
Section V, Article Seven	Gravity Sewer Line Cleaning Program Plan Submitted for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '15 5 July '16	Complete	Dec '15
Section V, Article Seven	Completed a minimum of 10% of Small-Diameter Gravity Lines Cleaning per year	31 Dec '20	Completed 7% in 2020	Mar '21
Section V, Article Seven	Complete a minimum of 8 miles of Large-Diameter Gravity Sewer Line cleaning in 3-years <ul style="list-style-type: none"> <li>- 15.98 miles in previous report years and 1.55 miles in 2020</li> </ul>	31 Dec '17	Completed 17.5 miles total	Mar '18
Section V, Article Seven	SSO Documentation and Reporting Program Plan Submitted for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '15 5 July '16	Complete	Dec '15
Section V, Article Seven	SSO Emergency Response Program Plan Submitted for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '15 5 July '16	Complete	Dec '15
Section V, Article Seven	FOG Control Program Plan Submitted for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '16 3 Feb '17	Complete	Dec '16
Section V, Article Seven	Continuing Sewer System Assessment Program Plan for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '16 3 Feb '17	Complete	Dec '16
Section V, Article Seven	Continuing Pump Station and Force Main Evaluation and Maintenance Program Plan for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '16 23 Feb '17	Complete	Dec '16
Section V, Article Seven	Continuing Capacity Assurance Program Plan for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '16 23 Feb '17	Complete	Dec '16
Section V, Article Seven	Information Management System Plan for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '16 22 Feb '17	Complete	Dec '16
Section V, Article Seven	SOP Plan for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	30 June '16 3 Jan '17	Complete	June '16
Section V, Article Seven	Private Line Defect Remedial Program Plan for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	31 Dec '16 23 Feb '17	Complete	Dec '16
Section V, Article Seven	Comprehensive Training Program Plan for Approval <ul style="list-style-type: none"> <li>- Approved</li> </ul>	30 June '16 6 Dec '16	Complete	June '16
Section V, Article Seven	Inventory Management System Demonstration for Approval	31 Dec '16	Complete	Dec '16

Table 1-1 CD Milestones

CD Reference	CD Activity	CD Date	Status	Date Submitted
	- Approved	23 Feb '17		
Section VI	Mitigation Program Quality Assurance Project Plan Submitted	31 Dec '15	Complete	Dec '15
	- Comments Received	29 June '16		
	- Response to Comments Submitted	8 August '16		
Section VIII	Supplemental Environmental Project Escrow Agreement	30 June '15	Complete	June '15
Section VIII	Executed Escrow Agreement Submitted	31 Dec '15	Complete	Dec '15
Section X	2015 Annual Report	31 Mar '16	Complete	Mar '16
	- EPA Comments	9 Aug '16		
	- Response	30 Sep '16		
Section X	2016 Annual Report	31 Mar '17	Complete	Mar '17
	- EPA Comments	15 June '17		
	- Response	9 Aug '11		
Section X	2017 Annual Report	31 Mar '18	Complete	Mar '18
Section X	2018 Annual Report	31 Mar '19	Complete	Mar '19
	- EPA Comments	22 Jan '21		
Section X	2019 Annual Report	31 Mar' 20	Complete	Mar '20
	- EPA Comments	22 Jan '21		
	- City Response	01 Feb '21		
Section X	2020 Annual Report	31 Mar' 21	Complete	Mar '21

## Section 2

### Consent Decree Activities

#### 2.1 Sewer System Condition Assessments Activities

Pursuant to the requirements of Section V, Article One: Sewer System Condition Assessments and Section X, Paragraph 91; and Section V, Article Two: Condition Remedial Measures and Section X, Paragraph 92, this section documents the City’s progress towards completing the Sewer System Condition Assessment activities. This is one of the areas mentioned in the Force Majeure as a concern due to COVID-19.

##### 2.1.1 Sewer System Assessments (SSAs)

Pursuant to the requirements of Section V, Article One: Sewer System Condition Assessments and Section X, Paragraph 91, this section documents the City’s progress toward completing SSA activities. In 2020, the City staff conducted SSA activities in six sub-basins with activities including smoke testing, and CCTV. The City contracted with Compliance Envirosystems, LLC (CES) to conduct manhole inspection activities in eight sub-basins. Figure 2-1 and Table 2-1 outline the SSA areas.

The 2020 SSA Condition Assessment Report (2020 SSA), conducted in-house, which included smoke testing, dye testing, CCTV, and manhole inspections, is included in Attachment 1. This report also includes manhole assessments for sub-basins CC01, CP02, HP01, and RB01 which the City was unable to complete in 2019 due to equipment failures and time constraints.

**Table 2-1 SSA Area Summary**

Sub-Basin	Number of Manholes	Length of Sewer Pipe	
		Linear Feet (LF)	Miles
Previous SSAs	6,382	1,401,370	265.4
2020 SSA In-House	659	115,741	21.9
<b>Total</b>	<b>7,041</b>	<b>1,517,111</b>	<b>287.3</b>

The following SSA Activities were conducted during the 2020 Annual Report year:

- A total of 21.9 miles of gravity sewer lines are in the 2020 SSA assessed areas, which includes 659 manholes (see Figure 2-1, Table 2-1).
- The City did not meet the minimum annual SSA requirement of 40 miles, as shown in the 2020 SSA (Attachment 1). This was due to the impact of COVID-19 and the continued work of recovering from the 2019 Flood.
- Flow Monitoring was conducted at nine (9) locations during this report period. Figure 2-2 provides the flow monitoring and rain gauge locations used.

- No gravity sewer investigation was performed beyond the limits of the Consent Decree.
- A total of 799 linear feet of additional gravity sewer lines were added to the WCTS during this report period. The location of additional gravity sewer lines are shown in Figure 2-3.
- Smoke testing identified a total of 35 defects, allowing storm water to enter the WCTS from private property.
  - A total of 20 potential Private Service Line Defects including 6 private service lines and 14 private cleanouts, were discovered during the 2020 SSA (a detailed tabulation is provided in Attachments 1). The potential Private Service Line Defects identified in the 2020 SSA will be evaluated and addressed as described in the approved Private Line Defect Remedial Program Plan (see Section 2.7.11 and Attachment 10).
- There were no direct discharges from the WCTS discovered during the 2020 SSA.

**Table 2-2 Condition Assessment Status**

Condition Assessment Activities <sup>(1)</sup>	Previous Years	2020 SSA	Total
Uninspected Manholes	625 <sup>(2)</sup>	28	<b>653</b>
Manhole Inspection	5,698	653	<b>6,351</b>
Sewer Pipe Inspected	1,354,130 LF (256.46 miles)	115,741 LF (21.9 miles)	<b>1,469,871 LF (278.36 miles)</b>
Length of Sewer Pipe Smoke Tested	1,354,130 LF (256.46 miles)	115,741 LF (21.9 miles)	<b>1,469,871 LF (278.36 miles)</b>
Sewer Pipe Dye Tested	45,748 LF (8.66 miles)	0 LF (0 miles)	<b>45,748 LF (8.66 miles)</b>
Small Diameter Sewer Pipe CCTV	878,435 LF (166.37 miles)	88,391 LF (16.74 miles)	<b>966,826 LF (183.11 miles)</b>
Large Diameter Sewer Pipe CCTV	50,994 LF (9.66 miles)	0 LF (0 miles)	<b>50,994 LF (9.66 miles)</b>

<sup>1</sup>Detailed tabulation of Condition Assessment Activities is provided in Attachments 1.

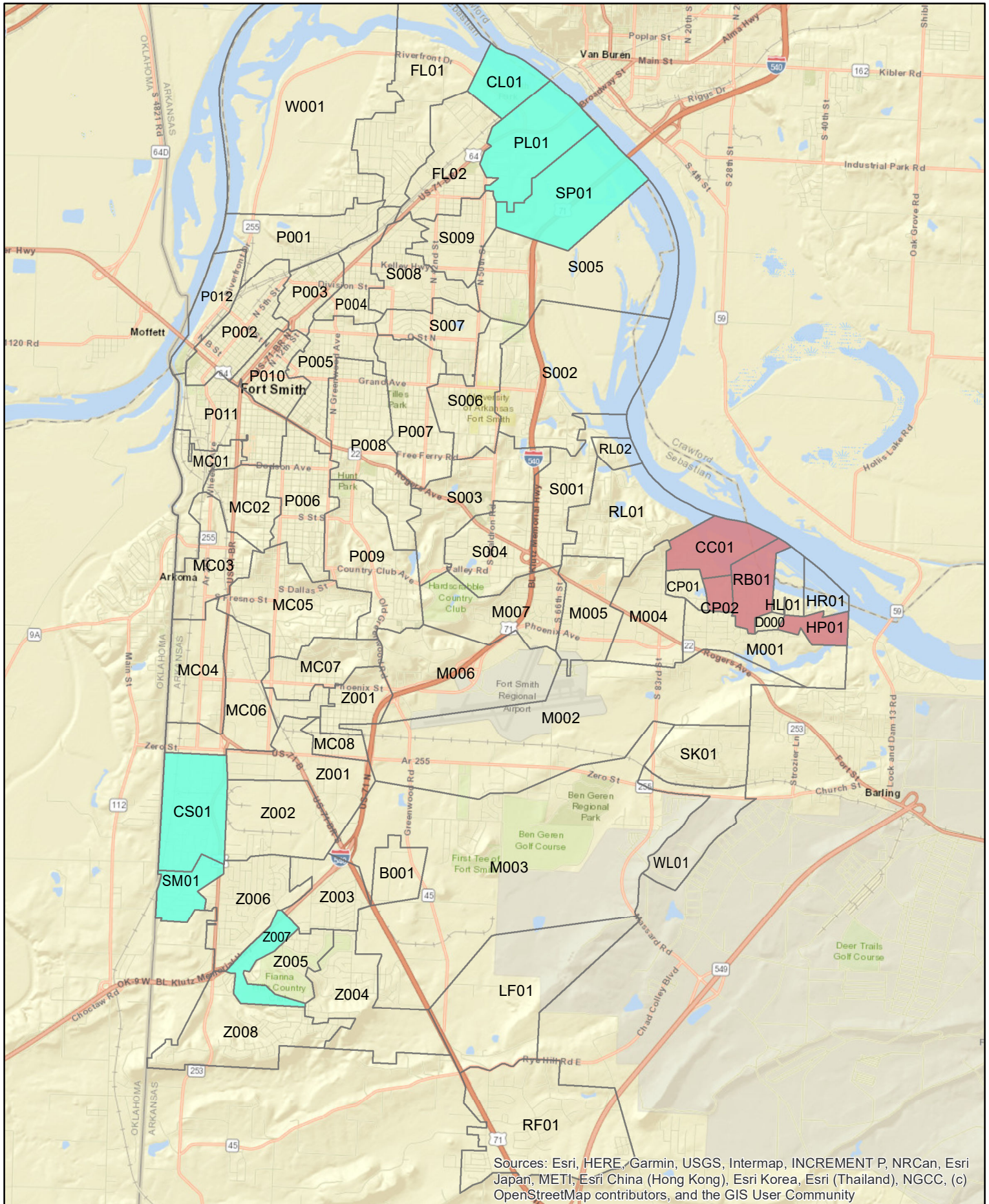
<sup>2</sup> In the 2018 Annual Report, there was a math error reporting the Uninspected Manhole total to be 467.

### 2.1.2 Condition Assessment Results

Pursuant to the requirements of Section V, Article Two: Condition Remedial Measures and Section X, Paragraph 92, this section documents the City’s progress toward completing the Condition Remedial Measures activities.

The Condition Assessment Report for the activities performed in 2020 is included in Attachment 1. A summary of the 2020 SSA NASSCO ratings for line segments and manholes with condition assessments is provided in Table 2-3 and the detailed tabulation is included in Attachment 1.

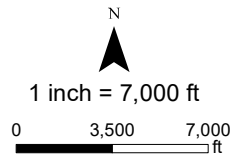




Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



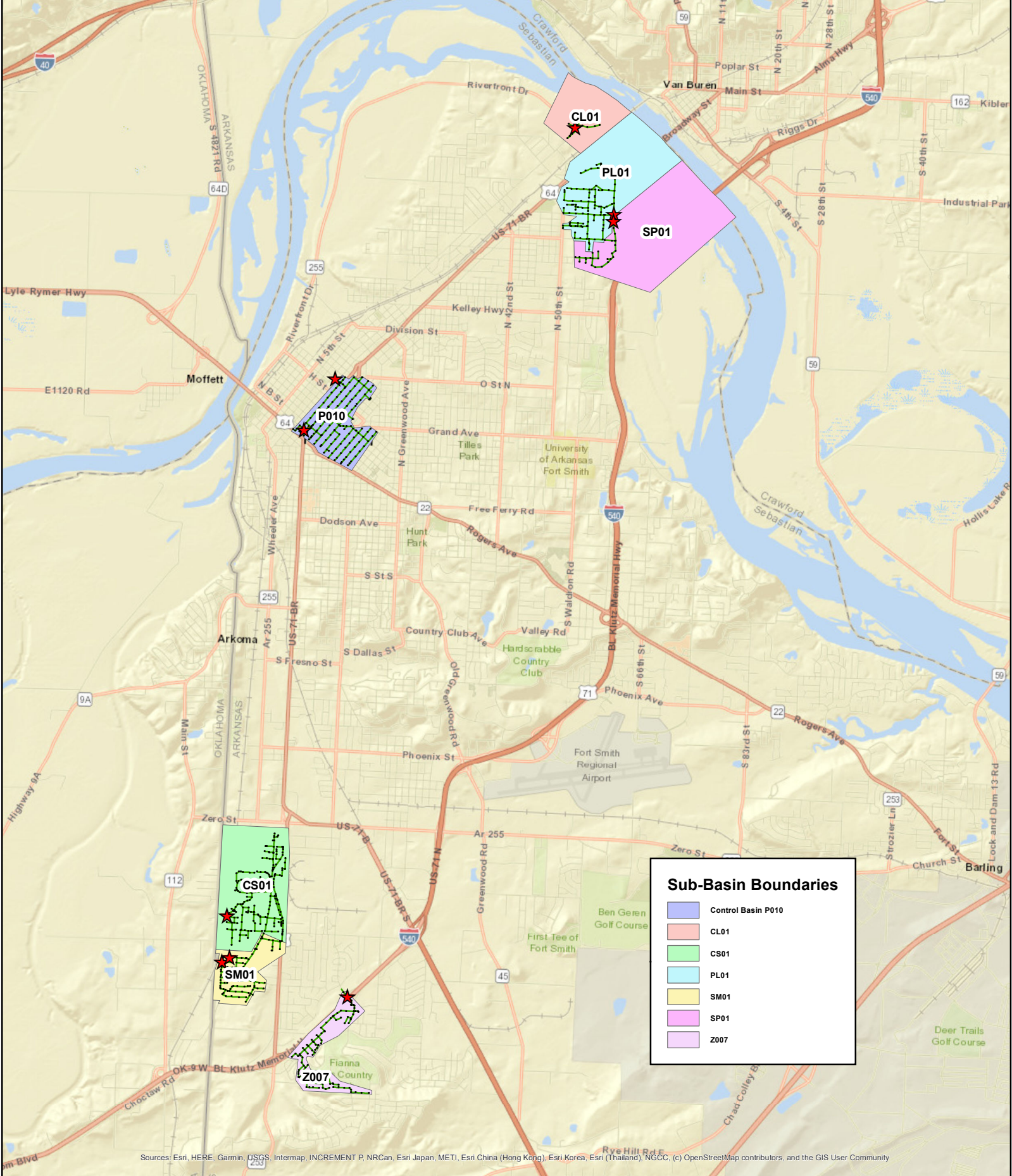
- Sub Basin Service
- 2019 Study Area Completed in 2020
- 2020 Study Area



**Sub Basin Locations**

City of Fort Smith Annual Report (2020)  
Figure 2-1



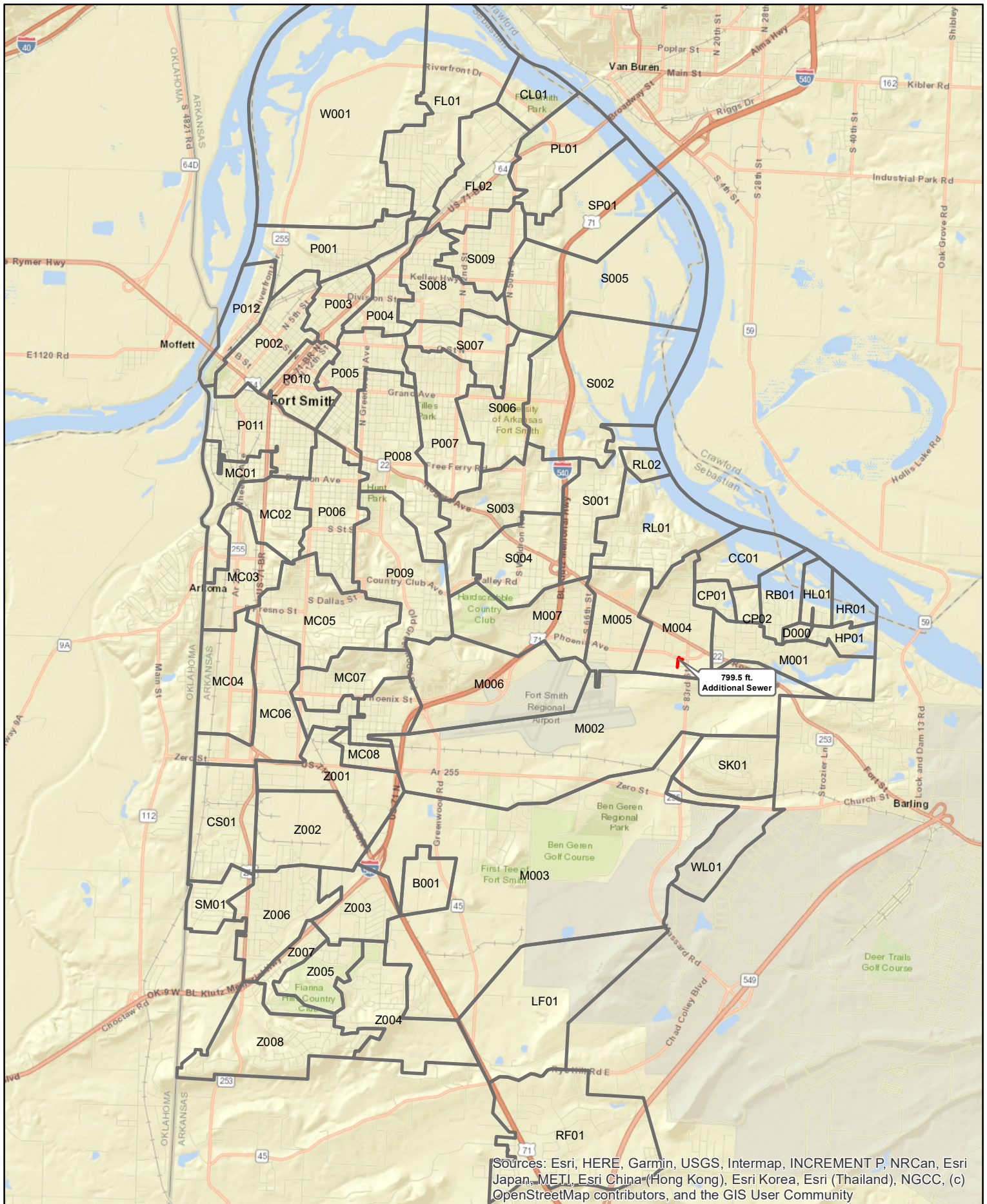


**Sub-Basin Boundaries**

- Control Basin P010
- CL01
- CS01
- PL01
- SM01
- SP01
- Z007

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Additional Gravity Main



Sub Basin



1 inch = 7,000 ft

0 0.5 1 Miles

## 2020 Additional Sewer Line Locations

City of Fort Smith Annual Report (2020)  
Figure 2-3

In 2020, City efforts included locating manholes for ongoing SSA efforts and locating uninspected manholes from previous years. Ongoing efforts are being performed by the City to locate and/or make previously uninspected SSA manholes and pipe sections accessible for the required assessment. These assessments will be provided in future Annual Reports.

**Table 2-3 NASSCO PACP Score Summary**

Sub-Basin	NASSCO Score							Total
	Not Inspected	No Defect	1	2	3	4	5	
MACP (manholes)	28	0	524	5	42	7	47	653
PACP (linear feet)	-	17,977	1,529	15,501	14,110	24,003	15,272	88,392

## 2.2 Condition Remedial Measures

Pursuant to the requirements of Section V, Article Two: Condition Remedial Measures and Section X, Paragraph 92, this section documents the City's progress toward completing the Condition Remedial Measures activities. The following Condition Remedial Measures activities were conducted during the 2020 Annual Report year:

- Funding has not been identified for certain future projects. The city will implement the most cost effective system improvements with the funding available. The status of the remedial measures activities are indicated on Figure 2-4 and in Table 2-5, and discussed below.
- The design of the Basin 12 Remedial Measures Phase 1 and Phase 3 is complete and is awaiting funding for construction. Table 2-4 includes a revised schedule for the remainder of the Basin 12 Remedial Measures.
- The 2015 remedial measures have not been completed and are awaiting the CIPP component. The CIPP work is planned to begin construction in 2021 after delays due to COVID-19.
- The 2016 SSA remedial measures activities include: one (1) sub-basin complete, P004; five (5) sub-basins that the design is complete, P003, P005, P008, S006, and S007. The construction of the other basins were halted due to COVID-19 and the continued work of recovering from the 2019 Flood.
- The 2017 SSA remedial measures activities areas are currently in design and include six (6) sub-basins: FL02, MC06, MC07, MC08, P009, and Z001.
- The 2018 SSA Remedial Measures Plan (2018 RMP) for sub-basins M003, M005, RF01, and WL01, was provided by RJN and included in the 2019 Annual Report. The Remedial

Measures Plan for the three (3) sub-basins that were assessed in-house, D000, HL01, and HR01, was supplied under separate review in February 2021.

- The 2019 SSA Remedial Measures Plan (2019 RMP), including In-House Sub-Basin RB01, will be submitted under separate review at a later date. The Remedial Measures Plan for four (4) of the sub-basins that were accessed in-house in 2019, CC01, CP01, CP02, and HP01 were provided in the 2019 Annual Report.
- The 2020 SSA Remedial Measures Plan (2020 RMP) will be submitted under separate review at a later date.

**Table 2-4 Basin 12 Remedial Measures Estimated Schedule<sup>1</sup>**

Project	Linear Footage	Estimated Schedule
Basin 12 Remedial Measures CIPP	3,145	Construction complete February 2019
Basin 12 Remedial Measures Phase 1	8,395	Construction scheduled for completion by 2021
Basin 12 Remedial Measures Phase 3	6,199	Construction scheduled for completion by 2022
Basin 12 Remedial Measures Phase 4	6,283	Construction scheduled for completion by 2023
Basin 12 Remedial Measures Phase 5	7,723	Construction scheduled for completion by 2025
Basin 12 Remedial Measures Phase 6	6,742	Construction scheduled for completion by 2026
Basin 12 Remedial Measures Phase 7	5,332	Construction scheduled for completion by 2029
Basin 12 Remedial Measures Phase 8	5,091	Construction scheduled for completion by 2030
Basin 12 Remedial Measures Phase 9	8,531	Construction scheduled for completion by 2031

**Table 2-5 Condition Related Remedial Measure Projects Status**

Project	Status
2018 On-Call Services	Construction complete
2015 Remedial Measures: FL01	Construction complete August 2018
2015 Remedial Measures: P007	Construction complete June 2018
2015 Remedial Measures: S003	Construction complete October 2019
2015 Remedial Measures: S004	Construction complete December 2019
2015 Remedial Measures: S008	Construction complete August 2019
2015 Remedial Measures: S009	Construction complete September 2019
2015 Remedial Measures: CIPP (Sub-Basins FL01, P007, S003, S004, S008, S009)	Construction scheduled for 2020
2016 Remedial Measures (Sub-Basins P003, P004, P005, P008, S006, S007)	Sub-basin P004 is complete. Sub-basin P003 is scheduled to begin construction in Spring of 2021. Design for sub-basins P005, P008, S006, and S007 are complete. Construction of sub-basins P003, P005, P008, S006, and S007 are pending on funding.
2017 Remedial Measures (Sub-Basins FL02, MC06, MC07, MC08, P009, Z001)	Designs in progress; scheduled for construction in 2022. Construction of these sub-basins will depend on the availability of funding.



2018 Remedial Measures (Sub-Basins: RJN Analysis M003, M005, RF01, WL01; In-House Analysis D000, HL01, HR01)	Design on RJN Sub-Basins are pending on funding; Designs on In-House Sub-Basins are pending on funding. Construction of these sub-basins will depend on the availability of funding.
2019 Remedial Measures (Sub-Basins: RJN M002, P011, P012, Z008; CES M006; In-House CC01, CP01, CP02, HP01, RB01)	Design on RJN and CES Sub-Basins are pending on funding. (Sub-Basin CS01, reported last year in this section has been moved to a future year.) Construction of these sub-basins will depend on the availability of funding.

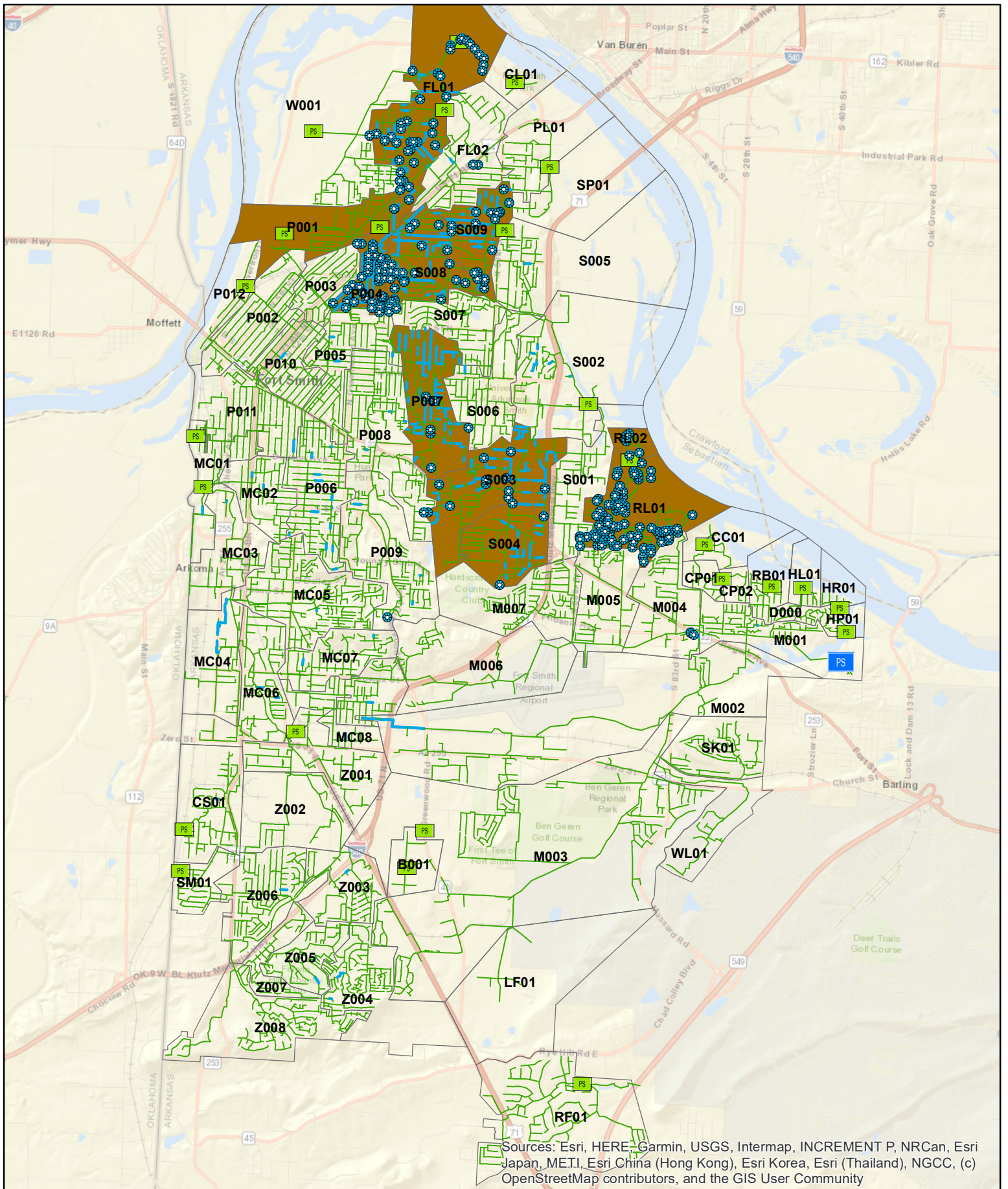
<sup>1</sup> Phase 2 line segments originally identified have been redistributed to other project Phases.

## 2.3 Pump Station/ Force Main Evaluation Report

Pursuant to the requirements of Section V, Article Three: Pump Station/Force Main Evaluation Report, this section documents the progress of the Pump Station and Force Main evaluations. The Pump Station/Force Main Evaluation Report was submitted March, 2018.

## 2.4 Capacity Assessment and Hydraulic Modeling

Pursuant to the requirements of Section V, Article Four: Capacity Assessment and Hydraulic Modeling and Section X, Paragraph 94, f, this section documents the City’s progress toward completing the Capacity Assessment and Hydraulic Modeling. The Hydraulic Model Update Report was approved August 9, 2017. The Capacity Assessment Report was submitted on March 31, 2018, per the terms of the Consent Decree. No comments were received.

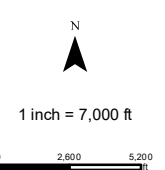


Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



- Manhole Completed in Prior Report Year
- Pump Stations
- Pump Station Completed in Prior Report Year

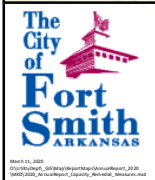
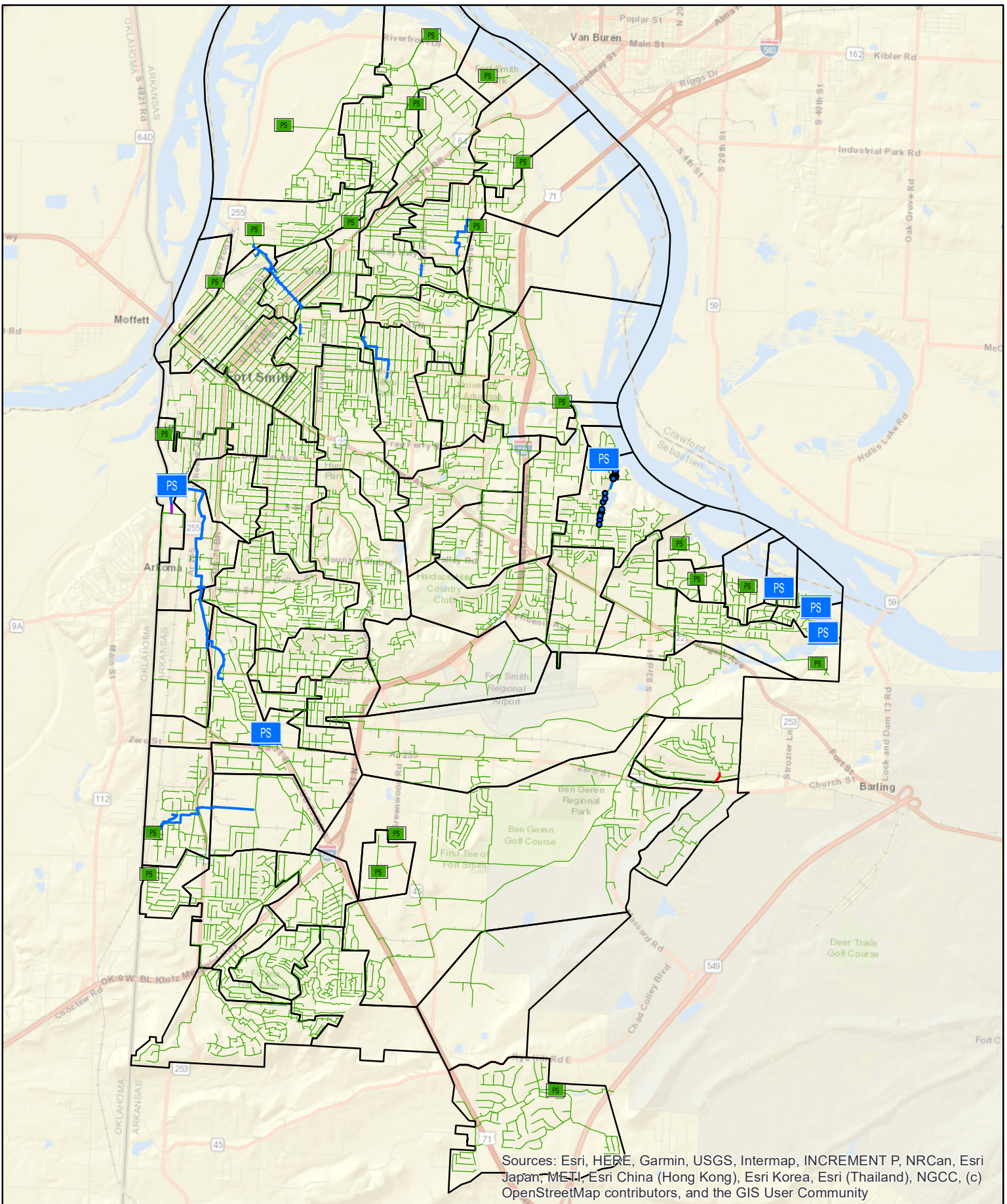
- Sewer Line Completed in Prior Report Year
- Sewer Line
- Completed in Prior Report Years
- Sewer Sub Basin



**2020 Condition Remedial Measures**

March 11, 2020  
C:\GIS\Projects\2020 Annual Report\2020 Annual Report.aprx  
10:00 AM, Wednesday, March 11, 2020

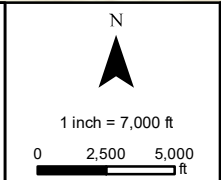




- Sewer Pump Station
- Sewer Pump Station Completed in Prior Report Year

- Sewer Line
- Sewer Line Completed in Prior Report Years
- Sewer Line Completed in Annual Report Year

- ManHole Completed in Prior Report Year
- SubBasin Service Area



**2020 Capacity Remedial Measures**

City of Fort Smith Annual Report (2020)  
Figure 2-5

## 2.5 Capacity Remedial Measures

Pursuant to the requirements of Section V, Article Five: Capacity Remedial Measures Plan and Section X, Paragraph 93, this section documents the City's progress toward completing the Capacity Remedial Measures activities. The EPA has provided a response letter approving revision of the completion dates to match the Capacity Remedial Measures report, which supersedes the original Capacity Improvements schedule, as referenced in Appendix E2. The Capacity Remedial Measures Plan was provided under separate submittal, and included a revised schedule for the Capacity Remedial Measures. The City submitted the Capacity Remedial Measures Plan on March 31, 2020. Comments were received and addressed in 2020. Additional comments have been received in 2021 and the response is forthcoming from the City.

The Sub-Basin P002 & P003 Capacity Improvements project was completed in 2020.

The Arkoma Capacity Project was completed in 2020.

Basin 10 & 14 Capacity Improvements, Phase I is currently in design as two separate projects, Phase I.a and Phase I.b. Phase I.a will connect the ongoing P002/P003 Capacity Improvements project to the completed P007 Capacity Improvements project. Phase I.b will complete the remainder of the Basin 10 & 14 Capacity Improvements, Phase I to Rogers Avenue. The majority of Basin 10 & 14 Capacity Improvements, Phase II was previously constructed as part of a street widening project in 2003. The remaining 1,300 linear feet is still in the planning stage.

## 2.6 Additional Remedial Measure Activities

In addition to the condition and capacity projects outlined in the CD, the following activities were completed in 2020. The City completed additional condition remedial measures in-house for 1,026 linear feet of sewer lines, five (5) point repairs, seventeen (17) service line repairs, and replaced one (1) manhole in areas with reoccurring SSOs or flow restrictions.

## 2.7 CMOM Activities

### 2.7.1 FOG Control Program

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; FOG Control Program Component and Section X, Paragraph 94, a, this section documents the City's progress toward completing the FOG Control Program activities. The FOG Control Program Plan was approved February 3, 2017. The following seven items were identified as Key Performance Indicators (KPI) for the FOG Control Program and will be tracked in 2020:

- % initial compliance inspections for permitted FOG generators per year;
- % of FOG generator contributed FOG SSOs per year;
- % compliance of permitted FOG generators per year;
- Number of violations issued per year;
- Number of enforcement (based on the escalating enforcement plan) inspections per year;

- Amount of penalties assessed in dollars per year; and
- Number of permits issued per year.

The following activities were conducted in 2019 as part of the FOG Control Program Plan implementation:

- 51% (145) initial compliance inspections were conducted for permitted FOG generators for 2020. All currently permitted FOG generators (282) will have had at least one unique initial compliance inspection during the 2020-2021 permit cycle.
- 18% of FOG generators contributed to FOG SSOs in 2020. This percentage is based off the monthly SSO report that can be identified as a commercial source.
- 34% compliance of permitted FOG generators for 2020.
- 235 Notices of Violation were found in 2020 during compliance inspections for permitted FOG generators.
- 194 enforcement re-inspections were conducted for permitted FOG generators for 2020.
- Amount of penalties assessed in dollars for 2020 was \$0.00.
- 54 FOG Generator Permits were issued in 2020.

The City issued 235 Notice of Violations (NOVs) during the 2020 Compliance Year. 77 of those NOVs (33%) addressed violations relating to an Oil & Grease exceedance. 29 of those NOVs (12%) addressed violations relating to FOG Control Device(s).

The remaining 129 (55%) were for violations with record keeping, pumping schedules, and BMP implementation. The City issued 23 Final Notice of Violations (FNOV) during the 2020 Compliance Year. Two (2) of those FNOVs (9%) addressed violations relating to an Oil & Grease exceedance. Three (3) of those FNOVs (13%) addressed violations relating to FOG Control Device(s). The remaining 18 FNOVs (78%) were for violations with record keeping, pumping schedules, and BMP implementation.

The City conducted 194 follow-up inspections during the 2020 Compliance Year. 51 (26%) permitted facilities required an additional follow-up inspection. The remaining 143 (74%) of follow-up inspections resulted in permittee coming into compliance.

When a FOG Generator Permit is issued, the City's FOG Program staff hand delivers the permit and provides compliance training and education which entails the following components:

- Records and Record Keeping
- A walk through and explanation of the permit contents.
- A review of Grease Control Device maintenance logs that are provided.
- A review of employee training logs that are provided to track BMP training.



- Explanation of the FOG waste manifest tickets that haulers will use when evacuating Grease Control Devices.
- A review of FAQ and BMPs hand-out materials that are provided.
- Best Management Practice

FOG Program staff will continue to plot FOG related SSOs to develop a “hotspot” map to help determine focus areas for the FOG Generators and Permits in the City of Fort Smith.

No new FOG Hauler Permits were issued in 2020.

The City had an existing Pretreatment Program in place for industrial facilities prior to the FOG Control Program Plan and twenty-five (25) industries are currently permitted through that program. Samples are collected monthly through the Pretreatment Program and a total of two hundred one (201) Oil and Grease samples were collected from permitted industries in 2020. Five (5) of the Oil and Grease samples collected were out of compliance with Local Limits for Oil and Grease (100 mg/L) and each instance of non-compliance resulted in a Notice of Violation being issued to the industry. None of these instances of non-compliance correlated with blockages in the area.

- As required in Section V, Article 7 Paragraph 37, j of the Consent Decree (FOG public education program):
- Distributing informational FOG door hangers to residents living immediately upstream of each grease SSO after such an event;
- Annually preparing and distributing FOG information or inserts with sewer bills so that it is visible to reader, FOG educational information was sent to all customers through City billing cycles in October 2020;
- Maintaining a FOG education information page(s) on its website;
- Evaluating and implementing the most appropriate methods of educating high density residential dwelling (i.e. apartment buildings and condominium and townhome complexes) occupants of the impacts of FOG on the sewer system.
- Began distribution of educational FOG kits to apartment complexes in 2019. This continued in 2020.

## 2.7.2 Root Control Program

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; Root Control Program Component and Section X, Paragraph 94, b, this section documents the City’s progress toward completing the Root Control Program activities. The reactive root removal activities correspond with the SSO response activities when roots are identified as the cause of an

SSO. The reactive root removal pipe sections are provided in Attachments 4 and 5 as part of SSO and recurring SSO Reporting. See Attachment 3 for the Root Control Program activities.

In 2020, a study was performed to determine SSOs caused by root intrusions. A report from Lucity displayed all SSOs which had an initial diagnosis of roots being the cause of overflow. This report was compared to the SLRAT scores for each SSO. Any line segment scoring below a 5 was selected for further investigation by CCTV to determine if Chemical Root Control could be a means of remediation. 5 line segments were found to be candidates for chemical treatment. Along with this method of screening, CCTV crews found 13 additional line segments throughout the year that would benefit from chemical treatment. A total of 9,302 linear feet of pipe received chemical treatment in 2020.

In addition to Chemical Root Control, the City of Fort Smith Utility Department continued to perform mechanical root abatements. In May of 2019 the Utility Department completed the purchase of enough nozzles to outfit each jet/vacuum combination truck with at least one rotating root/grease removing nozzle. Staff were re-trained on SOPs for SSO response, including procedures for root control. These SOPs instruct City staff to take immediate root abatement action if the SSO was visually diagnosed to have been caused by a root intrusion. Hydraulic mechanical root abatement is the first course of action in those instances. In 2020 there were 12 overflows remediated by the mechanical abatement process. Further CCTV review remains the final verification to determine if further actions may be necessary.

### 2.7.3 Gravity Sewer Line Cleaning Program

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; Gravity Sewer Line Cleaning Component and Section X, Paragraph 94, c, this section documents the City’s progress toward completing the Gravity Sewer Line Cleaning Program activities.

The City conducted Gravity Sewer Line Cleaning activities as part of the SSA activities described in Section 2.1. The cleaning activities conducted as part of the 2020 SSA are included in Attachments 1. See Figure 2-6 and Table 2-6 for the gravity sewer lines cleaned to date.

**Table 2-6 Gravity Sewer Line Cleaning**

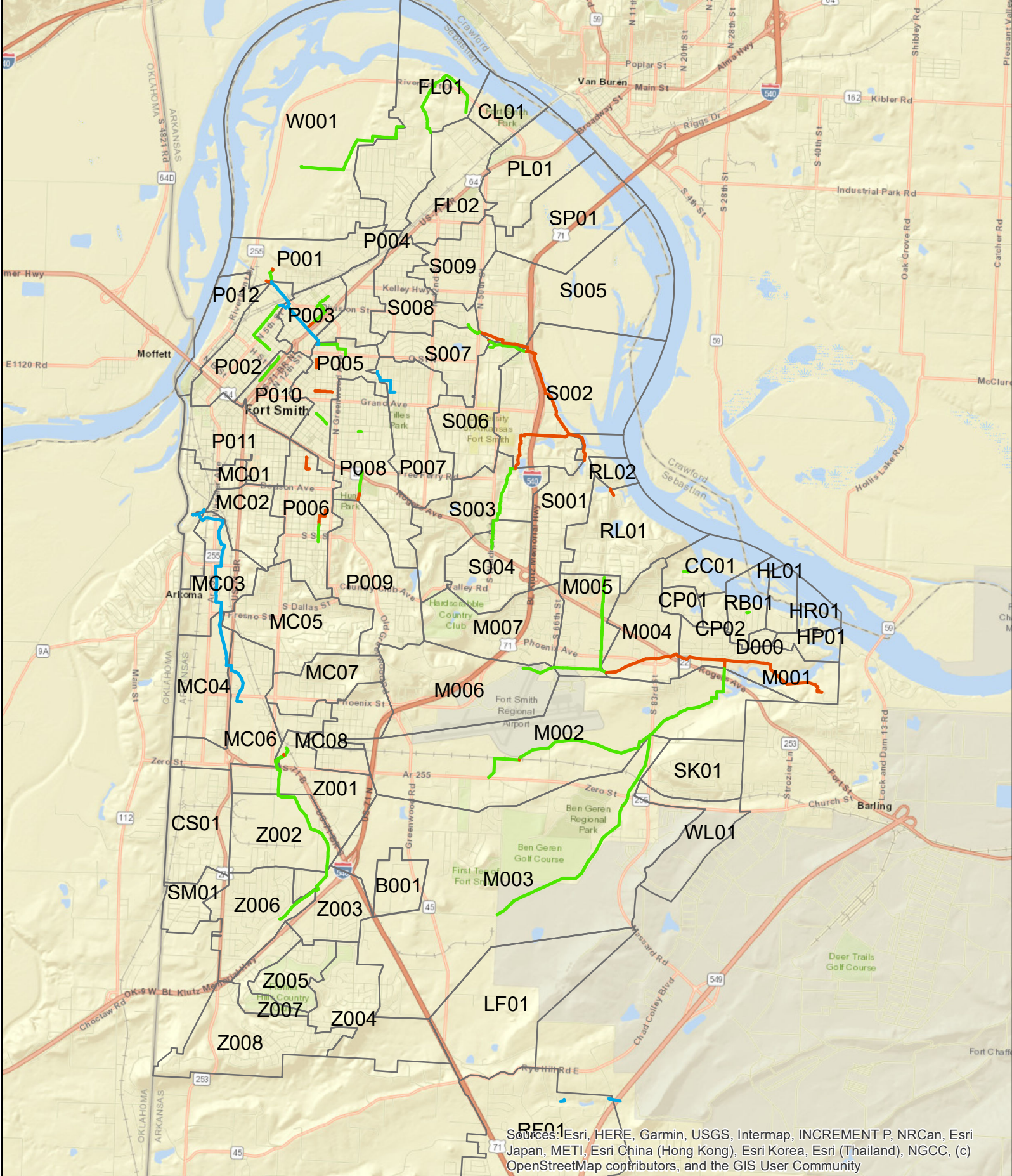
Gravity Sewer Line Cleaning Activities	Previous Years	2020 Annual Report Year	Total Cleaned To-Date	% Complete
Small Diameter Sewer Pipe Cleaning	1,453,776 LF (275.34 miles)	181,751 LF (34.42 miles)	1,635,527 LF (309.76 miles)	64.3%
Large Diameter Sewer Pipe Cleaning	105,610 LF (20.00 miles)	8,165 LF (1.55 miles)	113,775 LF (21.55 miles)	81.9%

<sup>1</sup>Detailed tabulation of Gravity Sewer Line Cleaning Activities is provided in Attachments 1.

The City conducted 27,623 LF (100 line segments) of targeted line cleaning during the 2020 Annual Report period. Figure 2-7 provides the locations of the Targeted Line Cleaning. The City also continued using the Sewer Line Rapid Assessment Tool (SL-RAT), to help assess sewer lines with significant blockages, and better determine whether targeted cleaning was required. A total of 60,942 linear feet (254 line segments) were assessed using the SL-RAT. Of the 254 line segments assessed using SL-RAT, 146 line segments (31,294 linear feet) were determined to have no significant blockages, and were not cleaned in 2020. In accordance with SOP 0100-013-SWR, a

sewer line segment with positive SL-RAT scores two years in a row can be removed from the targeted cleaning list. In 2020, 98 line segments (20,541 linear feet) were removed from the targeted cleaning list. The line segments with less than two years of consecutive positive scores will be reassessed 2021. The remainder of lines assessed with SL-RAT were cleaned as part of the 2020 Annual Report Period.





Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



- Non-Cleaned Sewer Lines  $\geq 24"$
- Sewer Lines Cleaned  $\geq 24"$
- Sewer Lines  $\geq 24"$  Replaced 2015 to 2020
- Sub Basin

N

1 inch = 7,000 ft

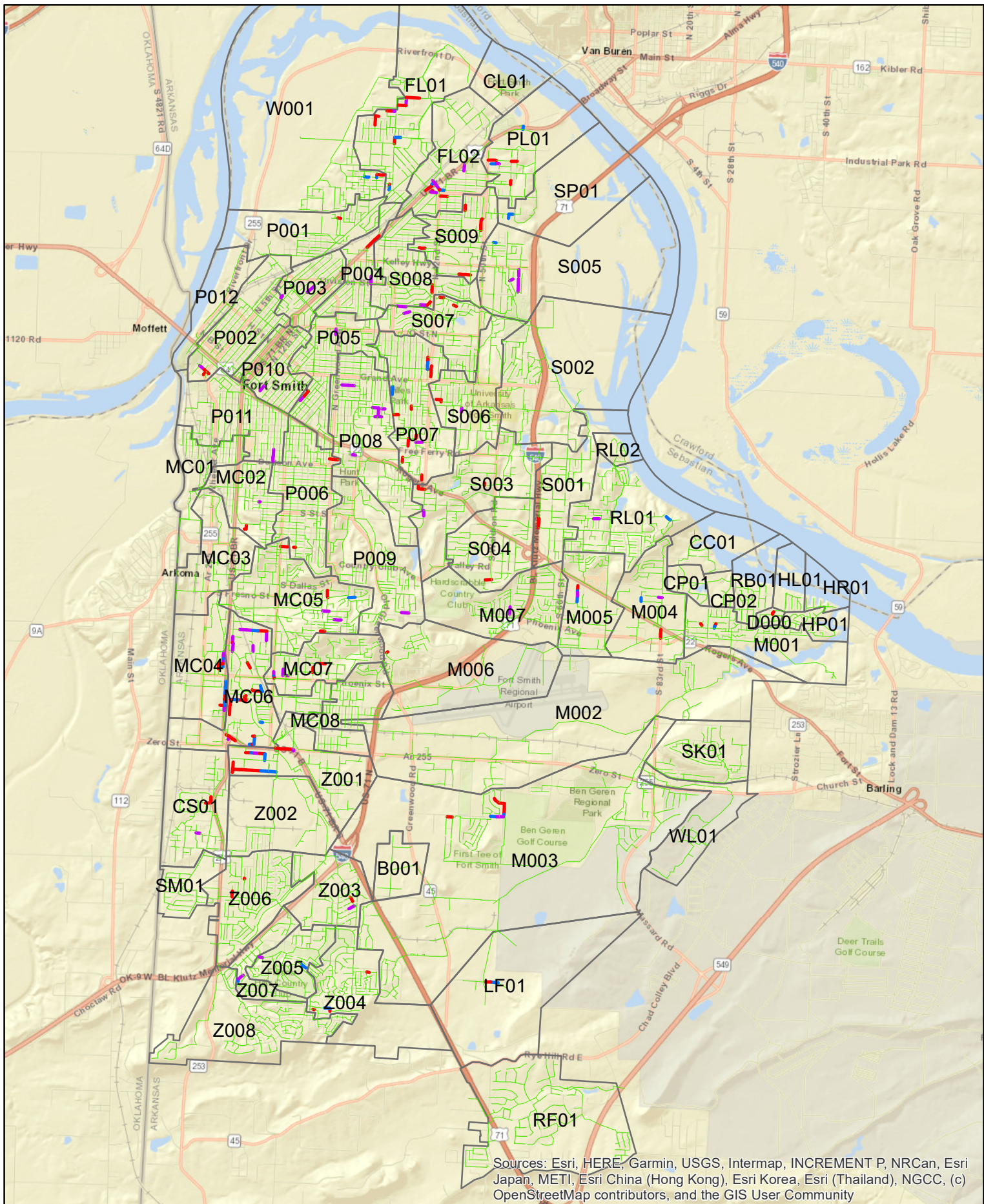
0    2,500    5,000

ft

## 2020 Sewer Line Large Diameter Cleaning






City of Fort Smith Annual Report (2020)  
Figure 2-6






Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community




	1X Time Cleaned		SL-Rat Score >=5		Sub Basin
	2X Time Cleaned		Gravity Main		

N



1 inch = 7,000 ft

0 2,500 5,000



ft

**2020 Targeted Sewer Line Cleaning**

City of Fort Smith Annual Report (2020)  
Figure 2-7

### **2.7.4 CSSA Program**

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; CSSA Program Component and Section X, Paragraph 94, d, this section documents the City's progress toward completing the CSSA Program activities. The CSSA Program Plan was approved February 3, 2017 and this program is not scheduled to begin until calendar year 2023.

### **2.7.5 Continuing Pump Station and Force Main Evaluation and Preventive Maintenance Program**

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; Continuing Pump Station and Force Main Evaluation and Preventive Maintenance Program and Section X, Paragraph 94, e, this section documents the City's progress toward completing the Continuing Pump Station and Force Main Evaluation and Preventive Maintenance Program activities. The Continuing Pump Station and Force Main Evaluation and Preventive Maintenance Program Plan was approved February 23, 2017. The City is currently inspecting and maintaining the pump stations as identified in the plan; however, this program is not scheduled to begin until calendar year 2023, so no additional activities were reported.

Pump Stations PS2, PS4, PS8, PS10, PS15, PS20, PS21, PS24, and PS25 have been assessed for damage following major floods that occurred in May, 2019. These pump stations are awaiting contracts for repair. Pump Stations PS20 and PS21 are awaiting FEMA reimbursement approval. Bypass pumping is taken place at Pump Stations PS20 and PS21, which are under contract for replacement.

### **2.7.6 Continuing Capacity Assurance Program**

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; Continuing Capacity Assurance Program and Section X, Paragraph 94, f, this section documents the City's progress toward completing the Continuing Capacity Assurance Program. The Continuing Capacity Assurance Program was approved February 23, 2017. This program is not scheduled to begin until calendar year 2025, so no additional activities were reported.

### **2.7.7 SSO Reporting**

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; SSO Reporting Component and Section X, Paragraph 94, g, this section documents the City's progress toward completing the SSO Reporting Program activities. The City is continuing to comply with the immediate, monthly and annual reporting requirements as outlined in the SSO Reporting Plan. A detailed tabulation of the SSO events in the 2020 Annual Report period is provided in Attachment 4. A detailed tabulation of reoccurring SSOs for 2018-2020 is provided in Attachment 5. A detailed tabulation of reoccurring private service line releases (PSLRs) for 2018-2020 is provided in Attachment 6.

The City is conducting several activities to reduce and eliminate reoccurring SSOs. City staff conducted SSA and Gravity Sewer Line Cleaning activities as outlined in Sections 2.1 and 2.7.3. In addition, the City evaluated the SSO locations to determine if additional repairs were required. During 2020, the root control program remediated the cause of 15 SSOs. The City repaired or



replaced sanitary sewer infrastructure that was responsible for 29 SSOs, 6 of which were reoccurring.

Many of the reoccurring dry weather SSOs have been successfully resolved as a result of focusing resources on these sites.

The repairs for 2020 are provided in Attachment 5.

### **2.7.8 OERP**

Pursuant to the requirements of Section V, Article Seven; Development of a CMOM Program; OERP Component and Section X, Paragraph 94, i, this section documents the City's progress toward completing the OERP activities. The SSO Reporting activities are outlined in Section 2.7.7 and Attachments 4, 5, and 6.

### **2.7.9 IMS Update**

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; IMS Update, and Section X, Paragraph 94, h, this section documents the City's progress toward completing the IMS Update activities. As part of the IMS update the City to implemented activities in the following IMS areas:

- Asset records
  - Established procedures to ensure proper nomenclature is assigned to sewer assets
- CMMS Integration with GIS
  - Completed the corrections to asset records in CMMS to match data in GIS.
  - Established the link between GIS and CMMS for data synchronization to reflect data changes in either system for certain asset types.
  - Established and refined process to establish GIS-CMMS link for remaining asset types.
  - Established data ownership so appropriate teams maintain appropriate subsets of asset data and also create new asset records.
  - Established a process that documents asset data discrepancies and provides a forum for stakeholders to ensure accurate corrections
- Lucity Mobile
  - Developed and refined field forms for Lucity web / mobile users.
  - Purchased and stood-up new server clusters to with updated CMMS software with adequate storage.
- FOG
  - Refined and modified relevant modules based upon feedback from FOG team.

- Completed three bulk imports of FOG Inspection information into CMMS
- Completed 20 man-hours of CMMS end user training in Lucity Web and Mobile
- Planned future use of Lucity document server for FOG document management
- Refined custom fillable PDF FOG Inspection form with modifications from FOG team
- Updated CMMS to reflect changes requested by FOG team.
- Lucity web interfaces, including dashboards for both Web and Mobile, refined for data tracking and user interface.
- Presented first Utility Test 2 environment, followed by Utility Test 1 environment, (in both Web and Mobile) for testing by FOG team.
- CMMS Development
  - Continued to review and enhance process for assets viewed in the field by CCTV with disparate attributes in the CMMS.
  - CMMS web interfaces developed for Work Order and related processes.
  - Established a street naming convention standard for the CMMS and GIS systems.
  - Updated CMMS and GIS data to conform to the street and address naming convention.
  - Upgraded CMMS software in the Lucity Test environments to test and utilize new features including asset class management.

### **2.7.10 SOP Component**

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; SOP Component and Section X, Paragraph 94, j, this section documents the City's progress toward completing the SOP component activities. See Attachment 7 for SOP activity progress.

### **2.7.11 Private Line Defect Remedial Program**

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; Private Line Defect Remedial Program Component and Section X, Paragraph 94, k, this section documents the City's progress toward completing the Private Line Defect Remedial (PLDR) Program activities. The PLDR Program Plan was approved February 23, 2017, and a summary of the program activities is provided in Attachment 8.

### **2.7.12 Comprehensive Training Program**

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; Comprehensive Training Program Component and Section X, Paragraph 94, l, this section documents the City's progress toward completing the Comprehensive Training Program activities. A summary of the Comprehensive Training Program activities is provided in Attachment 9.



The purpose of the CMOM Training Report is to provide a comprehensive overview of the Consent Decree required training for the year ending 2020. By reviewing the training completed for the report year, it is possible to identify areas where a stronger focus is needed and to help the training staff be better prepared to accomplish Consent Decree requirements in the following year.

In 2020, the Utility Department met all technical and skills training requirements for each employee category. Training was provided and facilitated in both safety and career-related topics, accumulating 3109 instances of training. One significant change for 2020 was the in-house development of online training modules. The online modules allowed individuals to train at their convenience while also allowing for a better means to social distance.

The training team's attainment of trainer status in several critical areas made it possible to conduct training without the need to bring in a third-party. Business & Learning Resources (BLR) continues to be a useful platform to implement safety training while minimizing the impact on production. Through the year 2020, BLR provided over 1398 instances of training totaling over 644 hours of training. The training could be accessed from any computer with internet access and a training room.

In the year 2020, the training team focused on implementing technology to improve training quality and effectiveness. The team developed and fine-tuned existing training while acquiring new skills to provide more specific training topics. Required CMOM training remained the primary goal, ensuring that training activities continued to meet the Consent Decree requirements. In 2021, succession training is expected to resume after it was postponed in 2020 due to the COVID pandemic. This training will document, through video, the various responsibilities of Utility employees as a means to provide improved training to future employees and ensure the knowledge gained through experience remains in the Department.

### **2.7.13 Inventory Management System Update**

Pursuant to the requirements of Section V, Article Seven: Development of a CMOM Program; Inventory Management System and Section X, Paragraph 94, m, this section documents the City's progress toward completing the Inventory Management System activities. The key initiatives and accomplishments in 2020 of the ongoing Inventory Management System include:

- Continued organization of the Kelley Highway warehouse for space efficiency and inventory cycle counts
- Continued efforts within delivery process for parts to workers in the field for time efficiency and inventory loss control
- Maintained optimal levels of critical parts and inventory and PPE for SSO response during COVID-19 Pandemic
- Working to maximize inventory forecasting and system optimization for all parts and materials

## 2.8 SEP

Pursuant to the requirements of Section V, Appendix F: SEP and Section X, Paragraph 95 this section documents the City's progress toward completing the SEP activities. The information regarding the SEP implementation as outlined in Section D, Subparagraph 3 of Appendix F of the CD is provided in Attachment 10 of this report.

## 2.9 Mitigation Program Requirement

Pursuant to the requirements of Section VI, Mitigation Program Requirement, Paragraph 70.a, this section documents the City's progress toward completing the Mitigation Program activities.

- The final Storm Sample was conducted on December 27, 2018. This event completed the Mitigation Program sampling requirement.
- The final Mitigation Program Report was submitted on June 24, 2019 for review and comment.

## 2.10 Funding Limitations

The Force Majeure events of COVID-19 and the May, 2019 flood (and resulting FEMA funding factors) have had significant impacts on the financial capabilities of the City. While the City has been able to maintain its systems and meet most consent decree requirements, the year 2020 partial failures to meet consent decree requirements identified in this report are the result of the impacted financial capabilities of the City. Once FEMA reimbursement is received following repairs of 2019 flood damage, the reimbursed funds will be used to address consent decree requirements.

## Section 3

### Attachments

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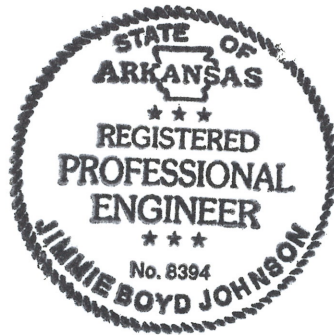
Attachment 1  
2020 SSA Condition Assessment Report

# CONDITION ASSESSMENT REPORT

March 2021

Condition Assessment Report  
2020 Sanitary Sewer Assessment  
Sub-Basins: CL01, CS01, PL01, SM01, SP01 and Z007

City of Fort Smith



March 2021

I hereby certify that this report was prepared under my direct supervision and that I am a duly registered Professional Engineer under the laws of the State of Arkansas.

Jimmie B. Johnson

Date: 3-30-2021 Registration No.: 8394

## Table of Contents

System Overview .....	3
Project Approach .....	5
Flow Monitoring .....	5
<sup>1</sup> Proposed flow meter location for future monitoring.....	5
Manhole Condition Assessment .....	5
Smoke Testing .....	7
Cleaning and Televising of Sanitary Sewers.....	7
Dyed Water Flooding .....	7
Night Flow Isolation .....	7
Inspection Quantities and Results .....	7
Flow Monitoring .....	7
Manhole Condition Assessment .....	8
Smoke Testing .....	12
Cleaning and Televising of Sanitary Sewers.....	12
Dyed Water Flooding .....	13
Results Summary.....	14
Table 1. Sub-Basin Statistics.....	3
Table 2. Sub-Basin Flow Monitoring Assignments .....	5
Table 3. Sub-Basin Flow Monitoring Summary .....	7
Table 4. NASSCO MACP Structural Score Summary .....	8
Table 5. Smoke Testing Defects.....	12
Table 6. 2018 In-House SSA Cleaning .....	13
Table 7. NASSCO PACP Score Summary .....	13
Figure 1. Sub-Basin Locations .....	4
Figure 2. Flow Meter Locations .....	6
Figure 3. MACP & PACP Scores, Sub-Basins CL01, PL01, & SP01 .....	9
Figure 4. MACP & PACP Scores, Sub-Basin CS01, SM01 & Z007 .....	10
Figure 5. MACP Scores, Sub-Basin CC01, CP01, HP01& RB01 .....	11

# 2020 IN-HOUSE SANITARY SEWER ASSESSMENT

## System Overview

The City of Fort Smith conducted Sanitary Sewer Assessments (SSA) in six sub-basins as part of the Consent Decree Program. Sewer Line Maintenance personnel performed the pipe line assessments (PACP) and contracted with CES, Inc. to perform the manhole assessments (MACP). The sub-basins chosen for 2020 were CL01, CS01, PL01, SM01, SP01 and Z007. These sub-basins consists of approximately 556 manholes and a total of 115,741 linear feet of sanitary sewer pipe. Also included in this report are 82 manhole assessments for sub-basins CC01, CP02, HP01, and RB01 which the city was unable to complete in 2019 due to equipment failures and time constraints, the locations of the sub-basins can be seen in Figure 1. Sub-Basin Locations. Table 1 outlines the quantities of assets within these sub-basins.

The following tasks were performed as part of this SSA work:

- Flow monitoring
- Manhole Condition Assessment (NASSCO Level 2 Inspections)
- Smoke Testing
- Cleaning and Televising of Sanitary Sewers
- Defect Analysis/Grading

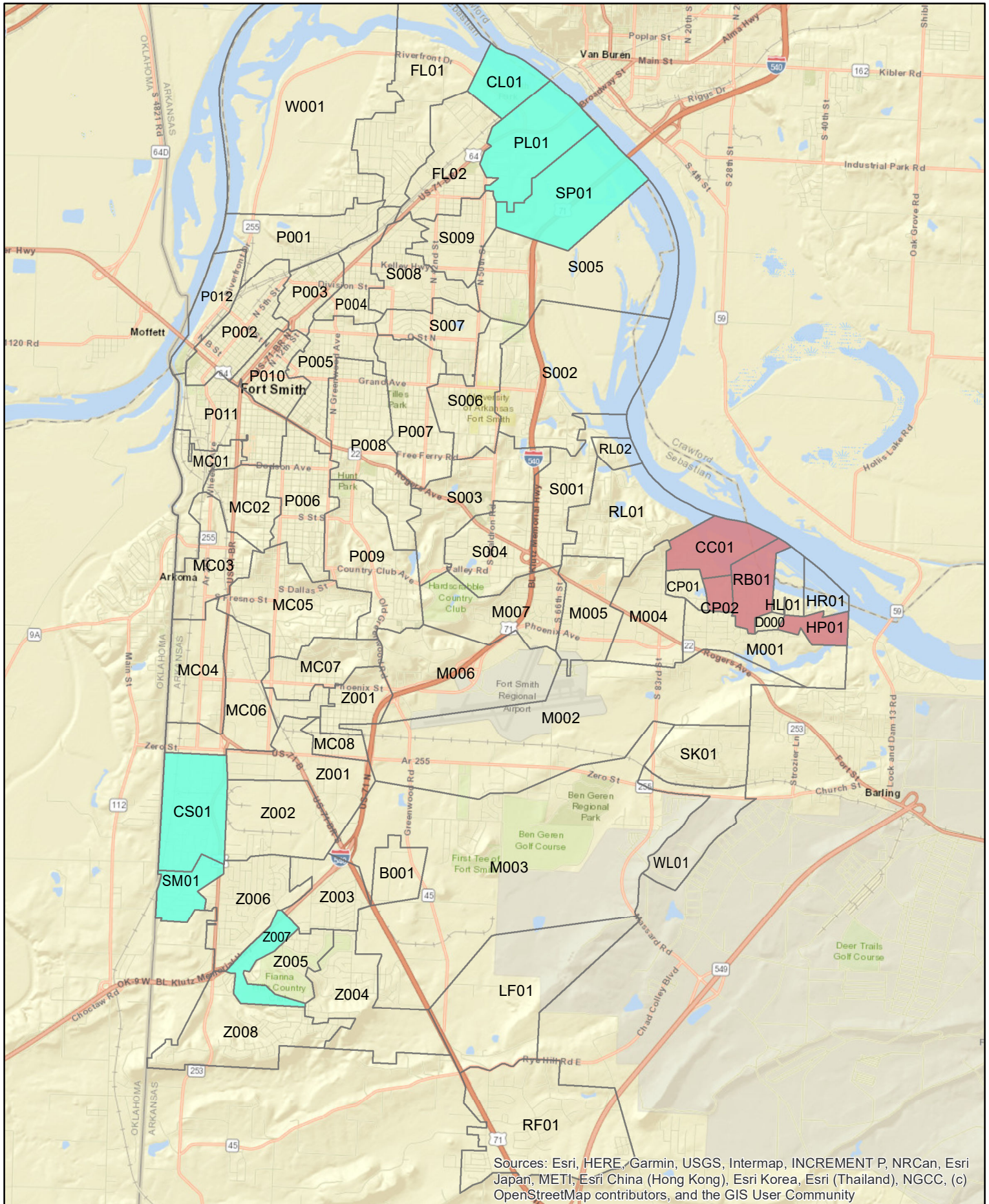
The Condition Assessment Report addresses the results from field inspection. NASSCO scores for manholes and sewer lines are also provided.

**Table 1. Sub-Basin Statistics**

Sub-Basin Name	Number of Manholes	Length of Sewer Pipe	
		Linear Feet	Miles
CL01	15	3,044	0.58
CS01	205	39,255	7.43
PL01	102	25,255	4.89
SM01	105	20,964	3.97
SP01	28	6,957	1.31
Z007	101	20,266	13.44
CC01	32	*	*
CP02	8	*	*
HP01	11	*	*
RB01	52	*	*
<b>Totals</b>	<b>659</b>	<b>115,741</b>	<b>21.90</b>

\*Previously reported in 2019 annual report.

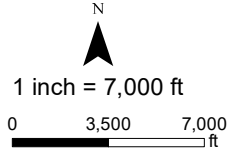




Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



- Sub Basin Service
- 2019 Study Area Completed in 2020
- 2020 Study Area



**Sub Basin Locations**  
 City of Fort Smith Annual Report (2020)  
 Figure 1

## Project Approach

### Flow Monitoring

Flow-monitoring within sub-basins CL01, PL01, SM01, SP01 and Z001 was conducted in 2020 to establish current flow rates. There is no flow meter installed downstream of Pump Station 19 (Candlestick Pump Station), which collects all flow from sub-basin CS01, no flow data was collected for this sub-basin. Flow monitoring was provided by CES, Inc.

Flow meters P010-01 and P011-01 were previously installed by RJN to establish flows for sub-basin P010, as a control. Rehabilitation efforts will not be made in sub-basin P010 for several years, and for that reason sub-basin P010 was chosen to serve as a control basin. Once rehabilitation efforts on the 2020 In-House SSA sub-basins have been completed, post rehabilitation flow monitoring will be conducted. Flow meters P010-01 and P011-01 will be reinstalled during post rehabilitation flow monitoring to help determine the effectiveness of the rehabilitation efforts. Table 2 provides a breakdown of the meters used to monitor each sub-basin. Figure 2 depicts the flow meter locations used in the 2020 In-House SSA.

**Table 2. Sub-Basin Flow Monitoring Assignments**

<b>Sub-Basin</b>	<b>Meter Name</b>	<b>Sub-Basin Size (LF)</b>
CL01	CL01-0020	3,044
CS01	CS01-0001 <sup>1</sup>	39,255
PL01	PL01-0020	25,255
SM01	SM01-0030, SM01-0390	20,964
SP01	SP001-0021	6,957
Z007	Z007-0030	20,266
P010 <sup>2</sup>	P010-01, P011-01	36,476

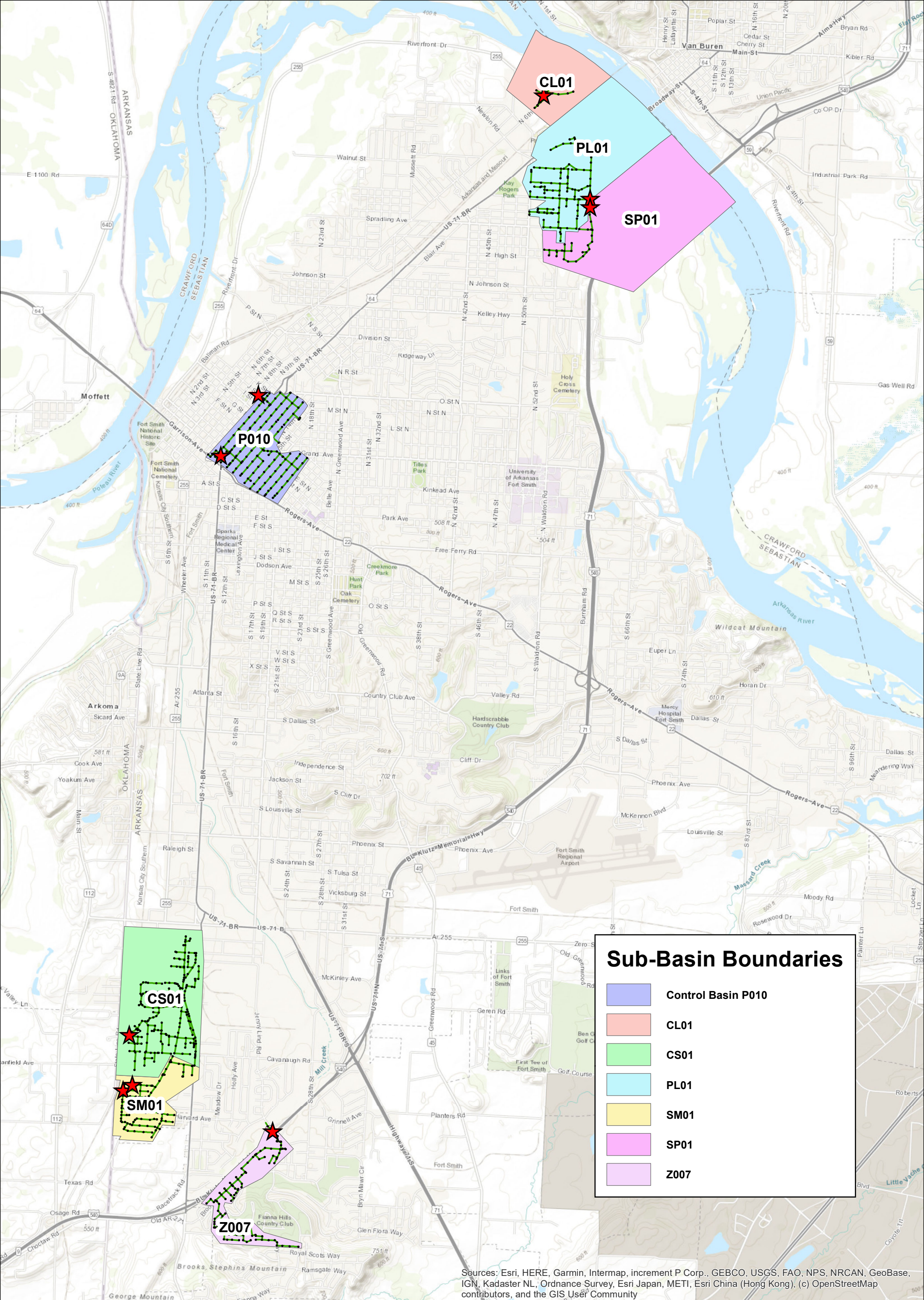
<sup>1</sup> Proposed flow meter location for future monitoring

<sup>2</sup> Control Basin; flow monitoring performed by RJN

### Manhole Condition Assessment

Manhole inspections were conducted utilizing NASSCO MACP Level 2 inspection standards. A level 2 inspection grades manhole defects on a scale of 1 to 5, with 5 having the most severe defects. All inspection data was entered into GraniteNet software.





### Sub-Basin Boundaries

	Control Basin P010
	CL01
	CS01
	PL01
	SM01
	SP01
	Z007

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

2020 Flow Monitors    
 • Manhole    
 Gravity Main

Reference Scale: 1:45,000  
 0 0.5 1 Miles



## Smoke Testing

Smoke testing was conducted using the single-blower method, and pipelines were not isolated. Defects were noted where smoke was observed. These defects include potential service cleanout defects, potential service line defects, potential gravity sewer line leaks, and potential cross connections with the storm water system, downspouts, or area storm drains. A picture of the defect, location map, address, and defect type were recorded.

## Cleaning and Televising of Sanitary Sewers

All sewer lines within the sub-basins were cleaned. Closed-circuit television inspection (CCTV) investigations were performed on all sewer lines within the studied sub-basins, with the exception of PVC lines install in 1995 or later. NASSCO PACP inspection standards were utilized and results were entered into GraniteNet software, which developed an overall score between 1 and 5 for each gravity line.

## Dyed Water Flooding

No potential gravity sewer line leaks or potential cross-connections with the storm water system were identified. Thus no Dyed Water Flooding was performed.

## Night Flow Isolation

Night flow isolation was not performed, because identified infiltration did not exceed 10,000 gallons per day per 1,000 linear feet.

## Inspection Quantities and Results

### Flow Monitoring

Table 3 summarizes the dry and wet-weather flow rates experienced by each sub-basin during the flow monitoring, which occurred between Feb 19 and Mach 24, 2020.

**Table 3. Sub-Basin Flow Monitoring Summary**

<b>Sub-Basin</b>	<b>Sub-Basin Size (LF)</b>	<b>Average Dry-Weather Flow (MGD)</b>	<b>Peak Hour Dry-Weather Flow (MGD)</b>	<b>Peak Hour Wet-Weather Flow (MGD)</b>
CL01	3,044	.0003	.0075	0.0249
CS01	39,255	N/A	N/A	N/A
PL01	25,255	0.195	0.304	0.650
SM01	20,964	0.102	0.191	0.504
SP01	6,957	0.037	0.129	0.180
Z007	20,266	0.149	0.257	0.934
P010 <sup>1</sup>	36,476	0.629	0.907	4.474

<sup>1</sup> Control Basin; flow monitoring performed by RJN



## Manhole Condition Assessment

556 manholes were contained within Sub-Basins CL01, CS01, PL01, SM01, SP01 and Z007. 525 manholes were fully inspected. A detailed list of manholes inspected is provided in Appendix A. 103 manholes were contained within in Sub-Basins CC01, CP02, HP01 and RB01 which were not completed in 2019. 100 of those manholes were fully inspected in 2020 are also included in Appendix A.

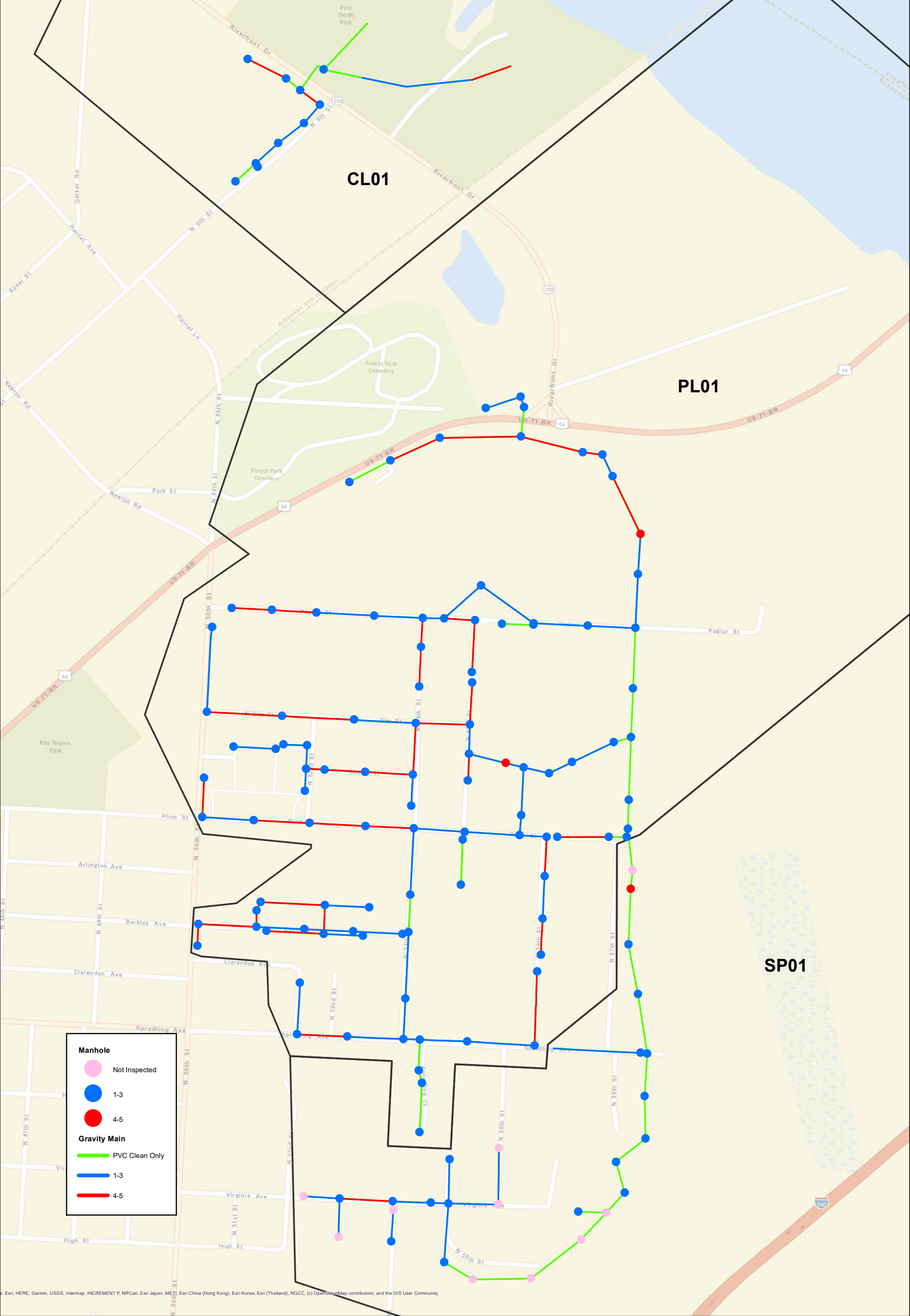
NASSCO MACP defect grades were used to generate scores for all manholes. The peak defect grade was utilized to provide an overall score for each manhole. The breakdown of manholes by structural score can be seen in

Table 4. A list of each manhole NASSCO MACP score is provided in Appendix A. Figures 3, 4, and 5 show the location and distribution of scores for each manhole.

**Table 4. NASSCO MACP Structural Score Summary**

Sub-Basin	Not Inspected	No Defects	NASSCO Score					Total
			1	2	3	4	5	
CL01	0	0	9	2	2	0	0	13
CS01	10	0	116	1	37	3	38	205
PL01	0	0	96	1	1	1	1	100
SM01	1	0	102	1	1	0	0	105
SP01	10	0	17	0	0	0	1	28
Z007	4	0	92	0	0	1	2	99
CC01	1	0	28	0	1	1	1	32
CP02	0	0	11	0	0	0	0	11
HP01	0	0	8	0	0	0	0	8
RB01	2	0	45	0	0	1	4	52
<b>TOTAL</b>	28	0	524	5	42	7	47	653

# City of Fort Smith, AR



Manhole	
<span style="color: pink;">●</span>	Not Inspected
<span style="color: blue;">●</span>	1-3
<span style="color: red;">●</span>	4-5
Gravity Main	
<span style="color: green;">—</span>	PVC Clean Only
<span style="color: blue;">—</span>	1-3
<span style="color: red;">—</span>	4-5

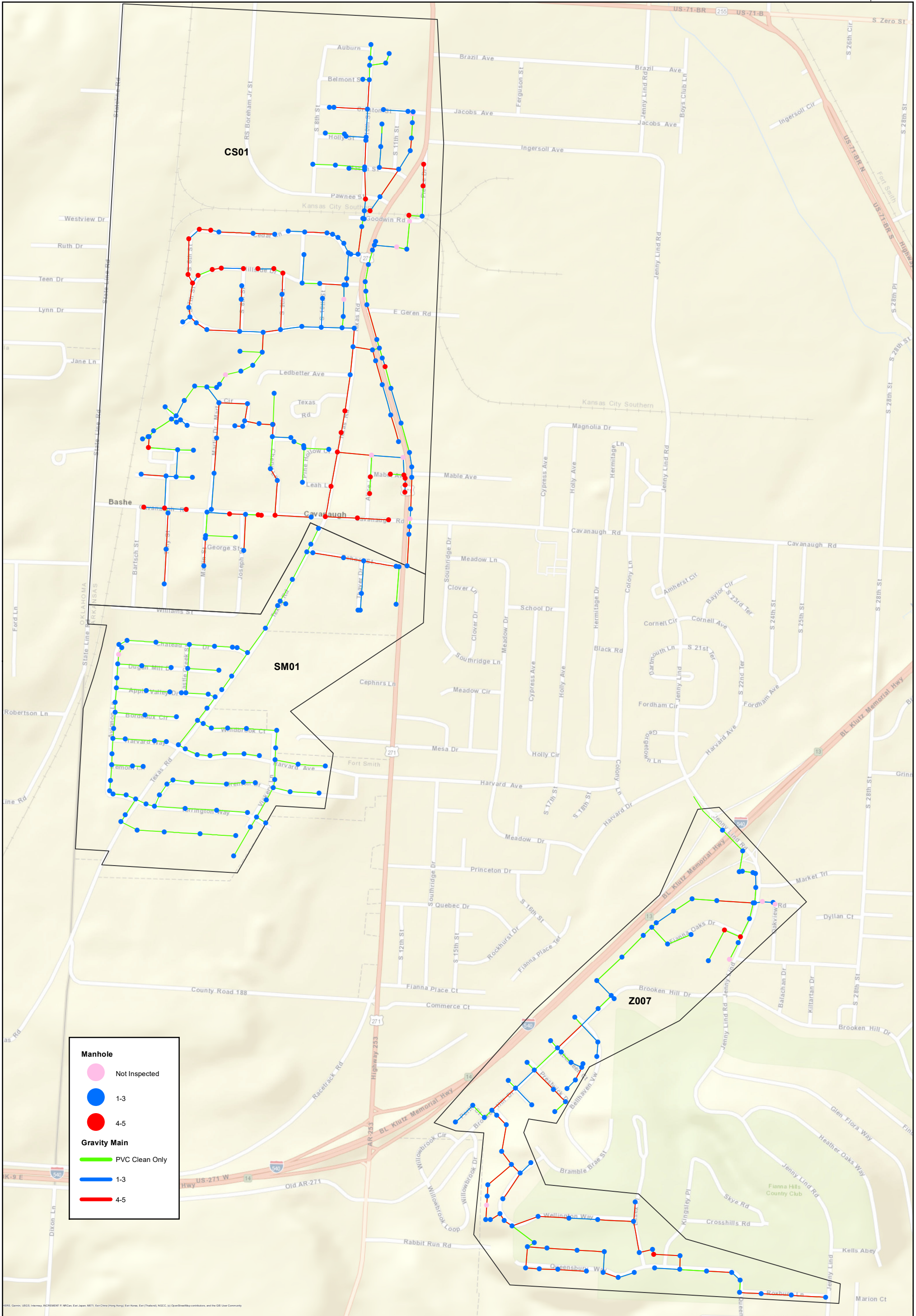
Sub-Basin Boundaries

Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





# City of Fort Smith, AR

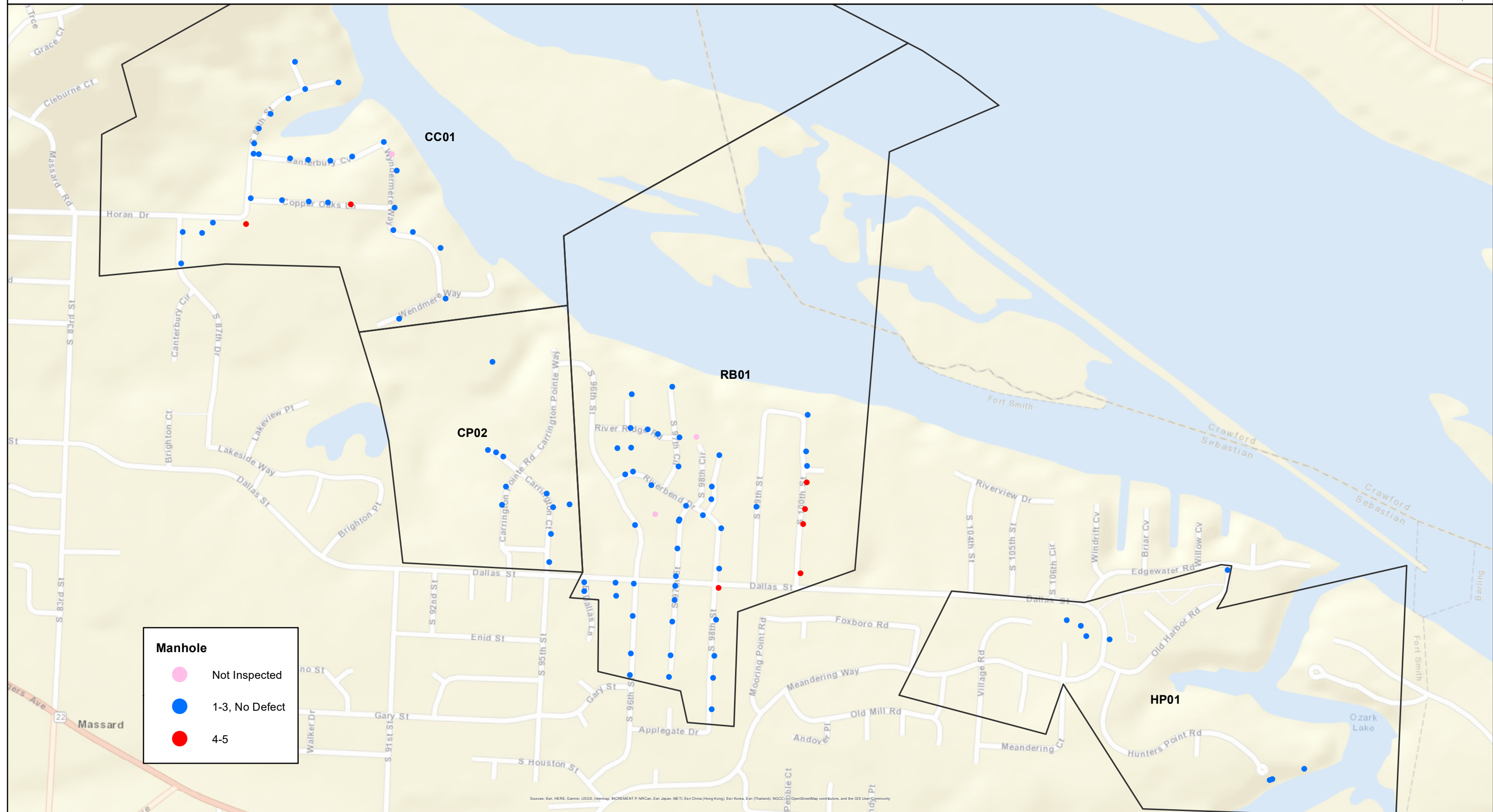


Manhole	
<span style="color: pink;">●</span>	Not Inspected
<span style="color: blue;">●</span>	1-3
<span style="color: red;">●</span>	4-5
Gravity Main	
<span style="color: green;">—</span>	PVC Clean Only
<span style="color: blue;">—</span>	1-3
<span style="color: red;">—</span>	4-5

Sub-Basin Boundaries



# City of Fort Smith, AR



**Manhole**

- Not Inspected
- 1-3, No Defect
- 4-5

 Sub-Basin Boundaries

NASSCO  
MACP  
Defect Score  
Figure 5



## Smoke Testing

A total of 157,112 linear feet (LF) of sanitary sewer lines were smoke tested within sub-basins CL01, CS01, PL01, SM01, SP01 and Z007. A list of sewer lines smoke tested is provided in Appendix B. Smoke testing discovered 33 defects. Of the 44 defects, 15 were identified as public defects and 29 were identified as potential private defects. Table 5 provides a detailed breakdown of the types and quantity of defects identified per sub-basin. Appendix C contains a list of all smoke testing defects and their locations.

**Table 5. Smoke Testing Defects**

<b>Sub-Basin</b>	<b>Cracked Manhole Wall</b>	<b>Cross Connection</b>	<b>Possible Main Line</b>	<b>Private Building Lateral</b>	<b>Private Defective Cleanout</b>	<b>Public Building Lateral</b>	<b>Public Defective Cleanout</b>
CL01	0	0	0	0	0	0	0
CS01	4	0	4	6	11	0	2
PL01	0	1	0	3	3	1	0
SM01	0	0	0	2	0	0	0
SP01	1	0	1	0	0	0	0
Z007	0	0	1	3	3	0	0
<b>Total</b>	<b>5</b>	<b>1</b>	<b>6</b>	<b>12</b>	<b>17</b>	<b>1</b>	<b>2</b>

### Defect Definitions:

- *Cracked Manhole Wall – Smoke observed near manhole; possible defect in the wall, cone, frame, or other portion of the manhole*
- *Cross Connection – Smoke observed from a pipe or connection into the wastewater system from a source that is unable to be properly identified*
- *Possible Main Line – Smoke observed near the main-line; possible defect in the main line pipe*
- *Private Building Lateral – Smoke observed near portion of the sewer service line servicing a structure located outside of the City’s right-of-way (ROW)*
- *Private Defective Cleanout – Smoke observed in or around clean-out, riser, or clean-out cap located outside of the City’s right-of-way (ROW)*
- *Public Building Lateral – Smoke observed near portion of the sewer service line servicing a structure located within or at the border of the City’s right-of-way (ROW)*
- *Public Defective Cleanout – Smoke observed in or around clean-out, riser, or clean-out cap located within or at the border of the City’s right-of-way (ROW)*

## Cleaning and Televising of Sanitary Sewers

A total of 88,391 linear feet of gravity sewer lines were cleaned and televised. An additional 27,137 feet of sewer lines were cleaned only. Table 6 outlines the footage cleaned and televised in each sub-basin, and the total footage within the studied sub-basin. All non-plastic sanitary lines, along with plastic lines installed prior to 1995 were cleaned, smoke-tested, and televised. All 114,864

linear feet were small-diameter piping (less than 21-inch diameter). Figures 4, and 5 depict all lines that were cleaned, smoke-tested, and televised, and a detailed list is provided in Appendix B.

NASSCO PACP defect grades were used to generate scores for all sewer lines. The peak defect grade was utilized to provide an overall score for each sewer line. Scores were on a scale of 1 to 5 with a score of 5 assigned to the sewer lines in the worst condition. The breakdown of linear footage in each sub-basin, by score, is shown in Table 7. A complete list of the NASSCO PACP score for every sewer line is provided in Appendix B. Figures 4, and 5 show the location and distribution of scores for every sewer line.

**Table 6. 2018 In-House SSA Cleaning**

<b>Sub-Basin</b>	<b>Footage Cleaned &amp; Televised</b>	<b>1995 and Later PVC Cleaned Only</b>	<b>Total Footage in Sub-Basin</b>
CL01	3,047	0	3,044
CS01	35,836.5	2,978.9	38,485
PL01	24,281.9	1,992.2	25,391
SM01	2,174	18,556	20,541
SP01	3,251	3,610.3	7,137
Z007	19,799.7	0	20,266
<b>Total</b>	<b>88,391.1</b>	<b>27,137.4</b>	<b>114,864</b>

**Table 7. NASSCO PACP Score Summary**

<b>Sub-Basin</b>	<b>No Defects</b>	<b>NASSCO Score (Linear Feet)</b>					<b>Total</b>
		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
CL01	1,159	0	831	389	669	0	3,048
CS01	7,731	53	3,121	7399	9,459	8,073.5	35,836.5
PL01	1,748	530	7,193.7	4,170.2	6,514	4,126	24,281.9
SM01	711	0	189	355	223	696	2,174
SP01	0	0	2,327	595	329	0	3,251
Z007	6,628	946	1,839	1,201.7	6,809	2,376	19,799.7
<b>Total</b>	<b>17,977</b>	<b>1,529</b>	<b>15,500.7</b>	<b>14,109.9</b>	<b>24,003</b>	<b>15,271.5</b>	<b>88,391.1</b>

### Dyed Water Flooding

No defects consisted of potential gravity sewer lines or potential cross-connections with the storm water system, therefore no dyed water flooding was performed in 2020.

## Results Summary

The In-House Sanitary Sewer Assessment conducted during 2020 included the study of 653 manholes, smoke testing, cleaning, and televising 88,391 linear feet of sanitary sewer line. No dye tests were performed in the study area. Table 8 summarizes the number of manholes and linear feet of sewer lines with a NASSCO score of 4 or 5.

**Table 8. NASSCO Score 4 & 5**

<b>Sub-Basin</b>	<b>Manholes</b>	<b>Sewer Lines (Linear Feet)</b>
CL01	0	669
CS01	41	17532.5
PL01	2	10640
SM01	0	919
SP01	1	329
Z007	3	9185
CC01	2	*
CP02	0	*
HP01	0	*
RB01	5	*
<b>Total</b>	<b>54</b>	<b>39274.5</b>

\*Previously reported in 2019 annual report.

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
CC01	CC01-0030	1	1400
CC01	CC01-0040	1	1400
CC01	CC01-0050	1	1400
CC01	CC01-0060	1	1400
CC01	CC01-0070	1	1400
CC01	CC01-0080	1	1400
CC01	CC01-0100	1	1400
CC01	CC01-0110	1	1400
CC01	CC01-0120	1	1400
CC01	CC01-0130	5	5114
CC01	CC01-0140	3	3114
CC01	CC01-0150	1	1400
CC01	CC01-0160	1	1400
CC01	CC01-0170	1	1400
CC01	CC01-0180	1	1400
CC01	CC01-0190	4	4114
CC01	CC01-0200	1	1400
CC01	CC01-0210	1	1400
CC01	CC01-0220	1	1400
CC01	CC01-0230	1	1400
CC01	CC01-0240	1	1400
CC01	CC01-0250	1	1400
CC01	CC01-0260	1	1400
CC01	CC01-0270	1	1400
CC01	CC01-0280	1	1400
CC01	CC01-0290	1	1400
CC01	CC01-0300	1	1400
CC01	CC01-0310	1	1400
CC01	CC01-0320	1	1400
CC01	CC01-0330	1	1400
CC01	CC01-0340	1	1400
CL01	CL01-0020	1	1400
CL01	CL01-0030	1	1400
CL01	CL01-0040	1	1400
CL01	CL01-0045	1	1400
CL01	CL01-0050	1	1400
CL01	CL01-0060	2	2114
CL01	CL01-0065	2	2114
CL01	CL01-0205	1	1400
CL01	CL01-0210	1	1400
CL01	CL01-0220	3	3114



## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
CL01	CL01-0230	3	3114
CL01	CL01-0240	1	1400
CL01	CL01-0300	1	1400
CP02	CP02-0050	1	1300
CP02	CP02-0110	1	1400
CP02	CP02-0120	1	1400
CP02	CP02-0130	1	1400
CP02	CP02-0140	1	1400
CP02	CP02-0150	1	1400
CP02	CP02-0160	1	1400
CP02	CP02-0170	1	1400
CP02	CP02-0175	1	1400
CP02	CP02-0180	1	1400
CP02	CP02-0190	1	1400
CS01	CS01-0005	1	1400
CS01	CS01-0010	1	1400
CS01	CS01-0020	1	1400
CS01	CS01-0030	4	4131
CS01	CS01-0040	3	3121
CS01	CS01-0045	1	1400
CS01	CS01-0050	3	3212
CS01	CS01-0055	1	1400
CS01	CS01-0060	1	1400
CS01	CS01-0070	3	3212
CS01	CS01-0080	5	5113
CS01	CS01-0090	5	5113
CS01	CS01-0100	5	5113
CS01	CS01-0110	1	1400
CS01	CS01-0120	3	3212
CS01	CS01-0130	3	3212
CS01	CS01-0140	1	1400
CS01	CS01-0150	1	1400
CS01	CS01-0152	1	1500
CS01	CS01-0155	3	3113
CS01	CS01-0160	1	1400
CS01	CS01-0165	1	1400
CS01	CS01-0170	1	1400
CS01	CS01-0181	1	1400
CS01	CS01-0191	1	1400
CS01	CS01-0201	1	1400
CS01	CS01-0210	3	3113

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
CS01	CS01-0220	1	1400
CS01	CS01-0230	1	1400
CS01	CS01-0240	1	1400
CS01	CS01-0250	1	1400
CS01	CS01-0260	3	3113
CS01	CS01-0268	3	3212
CS01	CS01-0270	5	5131
CS01	CS01-0280	3	3212
CS01	CS01-0290	1	1400
CS01	CS01-0300	3	3212
CS01	CS01-0310	1	1400
CS01	CS01-0320	5	5113
CS01	CS01-0330	3	3113
CS01	CS01-0340	1	1400
CS01	CS01-0350	3	3212
CS01	CS01-0360	1	1400
CS01	CS01-0370	1	1400
CS01	CS01-0380	3	3212
CS01	CS01-0385	1	1400
CS01	CS01-0387	3	3212
CS01	CS01-0390	3	3113
CS01	CS01-0400	5	5122
CS01	CS01-0410	1	1400
CS01	CS01-0420	5	5113
CS01	CS01-0425	5	5113
CS01	CS01-0430	3	3113
CS01	CS01-0441	1	1400
CS01	CS01-0445	1	1400
CS01	CS01-0455	1	1400
CS01	CS01-0461	1	1400
CS01	CS01-0465	1	1400
CS01	CS01-0471	1	1400
CS01	CS01-0480	3	3113
CS01	CS01-0490	1	1400
CS01	CS01-0500	1	1400
CS01	CS01-0510	3	3113
CS01	CS01-0520	3	3212
CS01	CS01-0530	1	1400
CS01	CS01-0540	3	3113
CS01	CS01-0550	1	1400
CS01	CS01-0560	3	3113

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
CS01	CS01-0570	5	5113
CS01	CS01-0580	5	5113
CS01	CS01-0590	5	5113
CS01	CS01-0600	5	5113
CS01	CS01-0610	5	5113
CS01	CS01-0620	5	5113
CS01	CS01-0630	5	5113
CS01	CS01-0640	5	5113
CS01	CS01-0650	5	5113
CS01	CS01-0660	1	1400
CS01	CS01-0670	1	1400
CS01	CS01-0680	1	1400
CS01	CS01-0690	3	3212
CS01	CS01-0700	3	3212
CS01	CS01-0710	5	5113
CS01	CS01-0720	5	5113
CS01	CS01-0730	5	5113
CS01	CS01-0740	1	1400
CS01	CS01-0750	3	3113
CS01	CS01-0760	3	3212
CS01	CS01-0770	1	1400
CS01	CS01-0780	1	1400
CS01	CS01-0800	1	1400
CS01	CS01-0810	1	1400
CS01	CS01-0820	3	3114
CS01	CS01-0830	1	1400
CS01	CS01-0840	1	1400
CS01	CS01-0850	1	1400
CS01	CS01-0860	1	1400
CS01	CS01-0870	1	1400
CS01	CS01-0880	1	1400
CS01	CS01-0890	1	1400
CS01	CS01-0900	1	1400
CS01	CS01-0910	1	1400
CS01	CS01-0920	1	1400
CS01	CS01-0930	1	1400
CS01	CS01-0940	1	1400
CS01	CS01-0950	1	1400
CS01	CS01-0960	1	1400
CS01	CS01-0970	1	1400
CS01	CS01-0980	3	3113

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
CS01	CS01-0990	4	4114
CS01	CS01-1000	1	1400
CS01	CS01-1002	1	1400
CS01	CS01-1010	1	1400
CS01	CS01-1020	1	1400
CS01	CS01-1030	1	1400
CS01	CS01-1040	1	1400
CS01	CS01-1050	1	1400
CS01	CS01-1060	1	1400
CS01	CS01-1070	2	2114
CS01	CS01-1080	1	1400
CS01	CS01-1090	1	1400
CS01	CS01-1100	4	4131
CS01	CS01-1110	1	1400
CS01	CS01-1120	1	1400
CS01	CS01-1130	1	1400
CS01	CS01-1140	1	1400
CS01	CS01-1150	1	1400
CS01	CS01-1160	1	1400
CS01	CS01-1170	1	1400
CS01	CS01-1180	1	1400
CS01	CS01-1200	1	1400
CS01	CS01-1202	1	1400
CS01	CS01-1210	1	1400
CS01	CS01-1220	1	1400
CS01	CS01-1230	1	1400
CS01	CS01-1240	1	1400
CS01	CS01-1250	5	5113
CS01	CS01-1260	5	5113
CS01	CS01-1270	5	5113
CS01	CS01-1290	5	5113
CS01	CS01-1300	5	5113
CS01	CS01-1320	5	5113
CS01	CS01-1330	5	5113
CS01	CS01-1340	5	5113
CS01	CS01-1350	5	5113
CS01	CS01-1360	5	5113
CS01	CS01-1370	5	5113
CS01	CS01-1380	5	5113
CS01	CS01-1390	5	5113
CS01	CS01-1400	5	5113



## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
CS01	CS01-1480	1	1400
CS01	CS01-1490	1	1400
CS01	CS01-1500	1	1400
CS01	CS01-1510	1	1400
CS01	CS01-1520	1	1400
CS01	CS01-1530	1	1400
CS01	CS01-1540	1	1400
CS01	CS01-1550	5	5113
CS01	CS01-1560	1	1400
CS01	CS01-1570	1	1400
CS01	CS01-1580	1	1400
CS01	CS01-1590	1	1400
CS01	CS01-1600	1	1400
CS01	CS01-1610	1	1400
CS01	CS01-1630	3	3114
CS01	CS01-1640	1	1400
CS01	CS01-1650	1	1400
CS01	CS01-1660	1	1400
CS01	CS01-1670	1	1400
CS01	CS01-1680	1	1400
CS01	CS01-1690	1	1400
CS01	CS01-1700	1	1400
CS01	CS01-1710	1	1400
CS01	CS01-1720	1	1400
CS01	CS01-1726	1	1400
CS01	CS01-1740	1	1400
CS01	CS01-1760	5	5113
CS01	CS01-1770	1	1400
CS01	CS01-1780	5	5113
CS01	CS01-1790	5	5113
CS01	CS01-2000	1	1400
CS01	CS01-2010	3	3113
CS01	CS01-2020	1	1400
CS01	CS01-2030	3	3113
CS01	CS01-2200	1	1400
CS01	CS01-2210	3	3113
CS01	CS01-2220	3	3212
CS01	CS01-2230	3	3212
CS01	CS01-2240	3	3113
CS01	CS01-2250	3	3212
CS01	CS01-2260	1	1400

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
CS01	CS01-2270	1	1400
CS01	CS01-2280	1	1400
CS01	CS01-2290	1	1400
CS01	CS01-2300	3	3212
HP01	HP01-0010	1	1400
HP01	HP01-0085	1	1400
HP01	HP01-0090	1	1400
HP01	HP01-0270	1	1400
HP01	HP01-0305	1	1400
HP01	HP01-0380	1	1400
HP01	HP01-0390	1	1400
HP01	HP01-0400	1	1400
PL01	PL01-0010	1	1400
PL01	PL01-0020	1	1400
PL01	PL01-0030	1	1400
PL01	PL01-0050	1	1400
PL01	PL01-0078	1	1400
PL01	PL01-0080	1	1400
PL01	PL01-0090	1	1400
PL01	PL01-0100	1	1400
PL01	PL01-0110	1	1400
PL01	PL01-0120	1	1400
PL01	PL01-0130	5	5113
PL01	PL01-0140	1	1400
PL01	PL01-0150	1	1400
PL01	PL01-0160	1	1400
PL01	PL01-0170	1	1400
PL01	PL01-0180	1	1400
PL01	PL01-0190	1	1400
PL01	PL01-0200	1	1400
PL01	PL01-0210	1	1400
PL01	PL01-0220	1	1400
PL01	PL01-0230	1	1400
PL01	PL01-0240	1	1400
PL01	PL01-0250	1	1400
PL01	PL01-0260	1	1400
PL01	PL01-0270	1	1400
PL01	PL01-0280	1	1400
PL01	PL01-0290	1	1400
PL01	PL01-0300	1	1400
PL01	PL01-0310	1	1400

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
PL01	PL01-0315	1	1400
PL01	PL01-0320	1	1400
PL01	PL01-0330	2	2114
PL01	PL01-0340	1	1400
PL01	PL01-0350	1	1400
PL01	PL01-0360	1	1400
PL01	PL01-0370	1	1400
PL01	PL01-0380	1	1400
PL01	PL01-0390	1	1400
PL01	PL01-0400	1	1400
PL01	PL01-0410	1	1400
PL01	PL01-0420	1	1400
PL01	PL01-0430	1	1400
PL01	PL01-0440	1	1400
PL01	PL01-0450	1	1400
PL01	PL01-0455	1	1400
PL01	PL01-0470	1	1400
PL01	PL01-0480	1	1400
PL01	PL01-0490	1	1400
PL01	PL01-0500	1	1400
PL01	PL01-0510	1	1400
PL01	PL01-0520	1	1400
PL01	PL01-0530	1	1400
PL01	PL01-0540	1	1400
PL01	PL01-0550	1	1400
PL01	PL01-0560	1	1400
PL01	PL01-0570	1	1400
PL01	PL01-0580	1	1400
PL01	PL01-0585	1	1400
PL01	PL01-0590	1	1400
PL01	PL01-0600	1	1400
PL01	PL01-0610	1	1400
PL01	PL01-0650	1	1400
PL01	PL01-0670	1	1400
PL01	PL01-0675	4	4114
PL01	PL01-0680	1	1400
PL01	PL01-0690	1	1400
PL01	PL01-0695	1	1400
PL01	PL01-0700	3	3114
PL01	PL01-0710	1	1400
PL01	PL01-0720	1	1400

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
PL01	PL01-0730	1	1400
PL01	PL01-0740	1	1400
PL01	PL01-0750	1	1400
PL01	PL01-0760	1	1400
PL01	PL01-0780	1	1400
PL01	PL01-0790	1	1400
PL01	PL01-0800	1	1400
PL01	PL01-0805	1	1400
PL01	PL01-0810	1	1400
PL01	PL01-0820	1	1400
PL01	PL01-0830	1	1400
PL01	PL01-0840	1	1400
PL01	PL01-0850	1	1400
PL01	PL01-0860	1	1400
PL01	PL01-0870	1	1400
PL01	PL01-0880	1	1400
PL01	PL01-0890	1	1400
PL01	PL01-0900	1	1400
PL01	PL01-0910	1	1400
PL01	PL01-1000	1	1400
PL01	PL01-1010	1	1400
PL01	PL01-1020	1	1400
PL01	PL01-1030	1	1400
PL01	PL01-1040	1	1400
PL01	PL01-1050	1	1400
PL01	PL01-1060	1	1400
PL01	PL01-1070	1	1400
PL01	PL01-1080	1	1400
PL01	PL01-1090	1	1400
PL01	PL01-1100	1	1400
RB01	RB01-0050	1	1400
RB01	RB01-0060	1	1400
RB01	RB01-0070	1	1400
RB01	RB01-0100	1	1400
RB01	RB01-0130	5	5113
RB01	RB01-0140	5	5113
RB01	RB01-0150	5	5113
RB01	RB01-0160	5	5113
RB01	RB01-0180	1	1400
RB01	RB01-0200	1	1400
RB01	RB01-0210	1	1400

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
RB01	RB01-0220	1	1400
RB01	RB01-0230	1	1400
RB01	RB01-0240	1	1400
RB01	RB01-0250	1	1400
RB01	RB01-0260	1	1400
RB01	RB01-0320	1	1400
RB01	RB01-0330	1	1400
RB01	RB01-0340	1	1400
RB01	RB01-0350	1	1400
RB01	RB01-0360	1	1400
RB01	RB01-0370	1	1400
RB01	RB01-0380	1	1400
RB01	RB01-0390	1	1400
RB01	RB01-0400	1	1400
RB01	RB01-0410	1	1400
RB01	RB01-0420	1	1400
RB01	RB01-0430	1	1400
RB01	RB01-0450	1	1400
RB01	RB01-0505	1	1400
RB01	RB01-0510	1	1400
RB01	RB01-0520	1	1400
RB01	RB01-0530	1	1400
RB01	RB01-0540	1	1400
RB01	RB01-0550	1	1400
RB01	RB01-0560	1	1400
RB01	RB01-0570	1	1400
RB01	RB01-0580	1	1400
RB01	RB01-0590	1	1400
RB01	RB01-0600	1	1400
RB01	RB01-0610	1	1400
RB01	RB01-0620	4	4114
RB01	RB01-0630	1	1400
RB01	RB01-0640	1	1400
RB01	RB01-0650	1	1400
RB01	RB01-0660	1	1400
RB01	RB01-0670	1	1400
RB01	RB01-0680	1	1400
RB01	RB01-0690	1	1400
RB01	RB01-0700	1	1400
SM01	SM01-0010	1	1400
SM01	SM01-0020	1	1400



## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
SM01	SM01-0030	1	1400
SM01	SM01-0040	1	1400
SM01	SM01-0050	1	1400
SM01	SM01-0060	1	1400
SM01	SM01-0080	1	1400
SM01	SM01-0090	1	1400
SM01	SM01-0100	1	1400
SM01	SM01-0110	1	1400
SM01	SM01-0120	1	1400
SM01	SM01-0130	1	1400
SM01	SM01-0140	1	1400
SM01	SM01-0150	1	1400
SM01	SM01-0160	1	1400
SM01	SM01-0170	1	1400
SM01	SM01-0180	1	1400
SM01	SM01-0190	1	1400
SM01	SM01-0200	1	1400
SM01	SM01-0210	1	1400
SM01	SM01-0220	1	1400
SM01	SM01-0230	1	1400
SM01	SM01-0240	1	1400
SM01	SM01-0250	1	1400
SM01	SM01-0260	1	1400
SM01	SM01-0270	1	1400
SM01	SM01-0280	1	1400
SM01	SM01-0290	1	1400
SM01	SM01-0300	1	1400
SM01	SM01-0310	1	1400
SM01	SM01-0320	1	1400
SM01	SM01-0330	1	1400
SM01	SM01-0340	1	1400
SM01	SM01-0350	1	1400
SM01	SM01-0360	1	1400
SM01	SM01-0370	1	1400
SM01	SM01-0390	1	1400
SM01	SM01-0400	1	1400
SM01	SM01-0410	1	1400
SM01	SM01-0420	1	1400
SM01	SM01-0430	1	1400
SM01	SM01-0440	1	1400
SM01	SM01-0450	1	1400

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
SM01	SM01-0460	1	1400
SM01	SM01-0470	1	1400
SM01	SM01-0480	2	2114
SM01	SM01-0490	3	3113
SM01	SM01-0500	1	1400
SM01	SM01-0510	1	1400
SM01	SM01-0520	1	1400
SM01	SM01-0530	1	1400
SM01	SM01-0540	1	1400
SM01	SM01-0550	1	1400
SM01	SM01-0560	1	1400
SM01	SM01-0570	1	1400
SM01	SM01-0580	1	1400
SM01	SM01-0585	1	1400
SM01	SM01-0590	1	1400
SM01	SM01-0600	1	1400
SM01	SM01-0610	1	1400
SM01	SM01-0620	1	1400
SM01	SM01-0630	1	1400
SM01	SM01-0640	1	1400
SM01	SM01-0650	1	1400
SM01	SM01-0660	1	1400
SM01	SM01-0670	1	1400
SM01	SM01-0680	1	1400
SM01	SM01-0690	1	1400
SM01	SM01-0700	1	1400
SM01	SM01-0710	1	1400
SM01	SM01-0720	1	1400
SM01	SM01-0730	1	1400
SM01	SM01-0740	1	1400
SM01	SM01-0750	1	1400
SM01	SM01-0760	1	1400
SM01	SM01-0770	1	1400
SM01	SM01-0780	1	1400
SM01	SM01-0790	1	1400
SM01	SM01-0792	1	1400
SM01	SM01-0793	1	1400
SM01	SM01-0800	1	1400
SM01	SM01-0810	1	1400
SM01	SM01-0820	1	1400
SM01	SM01-0830	1	1400

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
SM01	SM01-0840	1	1400
SM01	SM01-0850	1	1400
SM01	SM01-0860	1	1400
SM01	SM01-0870	1	1400
SM01	SM01-0880	1	1400
SM01	SM01-0890	1	1400
SM01	SM01-0900	1	1400
SM01	SM01-0901	1	1400
SM01	SM01-0910	1	1400
SM01	SM01-0920	1	1400
SM01	SM01-0930	1	1400
SM01	SM01-0940	1	1400
SM01	SM01-0950	1	1400
SM01	SM01-0960	1	1400
SM01	SM01-0970	1	1400
SM01	SM01-0980	1	1400
SM01	SM01-0990	1	1400
SM01	SM01-1000	1	1400
SM01	SM01-1010	1	1400
SM01	SM01-1020	1	1400
SP01	SP01-0011	1	1400
SP01	SP01-0021	5	5131
SP01	SP01-0025	1	1400
SP01	SP01-0031	1	1400
SP01	SP01-0041	1	1400
SP01	SP01-0045	1	1400
SP01	SP01-0050	1	1400
SP01	SP01-0081	1	1400
SP01	SP01-0091	1	1400
SP01	SP01-0101	1	1400
SP01	SP01-0106	1	1400
SP01	SP01-0141	1	1400
SP01	SP01-0150	1	1400
SP01	SP01-0160	1	1400
SP01	SP01-0190	1	1400
SP01	SP01-0200	1	1400
SP01	SP01-0210	1	1400
SP01	SP01-0220	1	1400
Z007	Z007-0030	1	1400
Z007	Z007-0040	1	1400
Z007	Z007-0050	1	1400

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
Z007	Z007-0060	1	1400
Z007	Z007-0070	1	1400
Z007	Z007-0080	1	1400
Z007	Z007-0085	1	1400
Z007	Z007-0090	1	1400
Z007	Z007-0093	1	1400
Z007	Z007-0110	1	1400
Z007	Z007-0120	1	1400
Z007	Z007-0130	1	1400
Z007	Z007-0140	1	1400
Z007	Z007-0150	1	1400
Z007	Z007-0155	1	1400
Z007	Z007-0160	1	1400
Z007	Z007-0170	1	1400
Z007	Z007-0180	1	1400
Z007	Z007-0190	1	1400
Z007	Z007-0200	1	1400
Z007	Z007-0210	1	1400
Z007	Z007-0230	1	1400
Z007	Z007-0240	1	1400
Z007	Z007-0250	1	1400
Z007	Z007-0260	1	1400
Z007	Z007-0270	1	1400
Z007	Z007-0280	1	1400
Z007	Z007-0290	1	1400
Z007	Z007-0300	1	1400
Z007	Z007-0310	1	1400
Z007	Z007-0320	1	1400
Z007	Z007-0330	1	1400
Z007	Z007-0340	1	1400
Z007	Z007-0350	1	1400
Z007	Z007-0360	1	1400
Z007	Z007-0370	1	1400
Z007	Z007-0380	1	1400
Z007	Z007-0390	1	1400
Z007	Z007-0400	1	1400
Z007	Z007-0410	1	1400
Z007	Z007-0420	1	1400
Z007	Z007-0430	1	1400
Z007	Z007-0440	1	1400
Z007	Z007-0450	1	1400

## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
Z007	Z007-0460	1	1400
Z007	Z007-0470	1	1400
Z007	Z007-0480	1	1400
Z007	Z007-0490	1	1400
Z007	Z007-0500	1	1400
Z007	Z007-0510	1	1400
Z007	Z007-0520	1	1400
Z007	Z007-0530	1	1400
Z007	Z007-0540	1	1400
Z007	Z007-0560	1	1400
Z007	Z007-0570	1	1400
Z007	Z007-0580	1	1400
Z007	Z007-0590	1	1400
Z007	Z007-0600	1	1400
Z007	Z007-0610	1	1400
Z007	Z007-0620	1	1400
Z007	Z007-0630	1	1400
Z007	Z007-0640	1	1400
Z007	Z007-0650	1	1400
Z007	Z007-0660	1	1400
Z007	Z007-0670	1	1400
Z007	Z007-0680	1	1400
Z007	Z007-0690	1	1400
Z007	Z007-0700	1	1400
Z007	Z007-0710	1	1400
Z007	Z007-0720	1	1400
Z007	Z007-0730	1	1400
Z007	Z007-0740	1	1400
Z007	Z007-0750	1	1400
Z007	Z007-0760	4	4113
Z007	Z007-0770	1	1400
Z007	Z007-0780	1	1400
Z007	Z007-0790	1	1400
Z007	Z007-0800	1	1400
Z007	Z007-0810	1	1400
Z007	Z007-0820	1	1400
Z007	Z007-0830	1	1400
Z007	Z007-0840	1	1400
Z007	Z007-0850	1	1400
Z007	Z007-0860	1	1400
Z007	Z007-1000	1	1400



## Appendix A - MACP Scores

Sub-Basin	Manhole Name	NASSCO MACP Structural Peak Score	NASSCO MACP Structural Quick Score
Z007	Z007-1010	5	5113
Z007	Z007-1020	1	1400
Z007	Z007-1040	5	5113
Z007	Z007-1050	1	1400
Z007	Z007-1110	1	1400
Z007	Z007-1120	1	1400
Z007	Z007-1130	1	1400
Z007	Z007-1140	1	1400
Z007	Z007-1150	1	1400
Z007	Z007-1160	1	1400
Z007	Z007-0100	Not Inspected	
Z007	Z007-1030	Not Inspected	
Z007	Z007-1100	Not Inspected	
SM01	SM01-0380	Not Inspected	
CS01	CS01-1620	Not Inspected	
CS01	CS01-0790	Not Inspected	
CS01	CS01-1280	Not Inspected	
CS01	CS01-1190	Not Inspected	
CS01	CS01-1730	Not Inspected	
CS01	CS01-1750	Not Inspected	
CS01	CS01-0451	Not Inspected	
CS01	CS01-1310	Not Inspected	
CC01	CC01-0090	Not Inspected	
RB01	RB01-0440	Not Inspected	
RB01	RB01-0190	Not Inspected	
SP01	SP01-0170	Not Inspected	
SP01	SP01-0180	Not Inspected	
SP01	SP01-0215	Not Inspected	
SP01	SP01-0230	Not Inspected	
SP01	SP01-0240	Not Inspected	
SP01	SP01-0015	Not Inspected	
SP01	SP01-0105	Not Inspected	
SP01	SP01-0111	Not Inspected	
SP01	SP01-0121	Not Inspected	
SP01	SP01-0131	Not Inspected	
CS01	CS01-1310	Not Inspected	
CS01	CS01-1723	Not Inspected	
Z007	Z007-0550	Not Inspected	

## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
CL01	CL01-0310-CL01-0300	yes	6	266	266.3	0	0000
CL01	CL01-0065-CL01-0050	yes	6	169	170	0	0000
CL01	CL01-0320-CL01-0310	yes	6	260	260.7	2	2112
CL01	CL01-0050-CL01-0045	yes	8	191	183.6	3	3121
CL01	CL01-0340-CL01-0330	yes	6	253	253	4	4231
CL01	CL01-0045-CL01-0040	yes	8	198	196.8	3	3922
CL01	CL01-0330-CL01-0320	yes	6	422	422	2	2100
CL01	CL01-0040-CL01-0030	yes	8	149	149.1	2	2100
CL01	CL01-0300-CL01-0001	yes	6	30	30.4	0	0000
CL01	CL01-0350-CL01-0300	yes	6	398	398.3	0	0000
CL01	CL01-0020-CL01-0001	yes	8	185	185.7	0	0000
CL01	CL01-0210-CL01-0205	yes	8	267	267.9	4	4111
CL01	CL01-0030-CL01-0020	yes	8	149	150.9	4	4100
CL01	CL01-0205-CL01-0020	yes	8	111	112.2	0	0000
PL01	PL01-0570-PL01-0560	yes	6	310	312.4	5	5141
PL01	PL01-0580-PL01-0570	yes	6	320	322.5	2	2L00
PL01	PL01-0585-PL01-0550	yes	6	103	104	2	2A00
PL01	PL01-0610-PL01-0600	yes	6	462	467.3	4	4130
PL01	PL01-0590-PL01-0585	yes	6	284	287	3	312J
PL01	PL01-0600-PL01-0590	yes	6	419	421.8	3	3O2P
PL01	PL01-0560-PL01-0550	yes	6	348	350.1	3	3H2M
PL01	PL01-0550-PL01-0540	yes	8	252	251.6	2	2I11
PL01	PL01-0520-PL01-0510	yes	6	352	355.2	5	5142
PL01	PL01-0530-PL01-0510	yes	8	243	244.1	3	312H
PL01	PL01-0540-PL01-0400	yes	8	412	413.8	2	2O00
PL01	PL01-0510-PL01-0490	yes	6	176	177.6	4	4133
PL01	PL01-0470-PL01-0440	yes	6	97	97	4	4131
PL01	PL01-0500-PL01-0490	yes	6	273	276.6	3	322J
PL01	PL01-0455-PL01-0450	yes	6	134	136.1	5	5142
PL01	PL01-0480-PL01-0470	yes	6	55	57	3	312A
PL01	PL01-0450-PL01-0440	yes	6	360	363.4	4	413B
PL01	PL01-0430-PL01-0420	yes	6	302	301.3	2	2K11
PL01	PL01-0440-PL01-0430	yes	6	298	301.3	3	3A2K
PL01	PL01-0420-PL01-0410	yes	6	293	296.9	2	2J00
PL01	PL01-0340-PL01-0330	yes	6	299	301.8	4	422J
PL01	PL01-0380-PL01-0370	yes	6	224	225	5	5133
PL01	PL01-0410-PL01-0400	yes	6	51	50.7	3	3127
PL01	PL01-0370-PL01-0360	yes	6	319	322.8	3	312K
PL01	PL01-0360-PL01-0350	yes	6	344	349	5	5131
PL01	PL01-1070-PL01-1060	yes	6	278	280.2	0	0000
PL01	PL01-0315-PL01-0310	yes	6	220	219.2	4	4131
PL01	PL01-0330-PL01-0320	yes	6	318	317.5	3	312K

## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
PL01	PL01-0310-PL01-0300	yes	6	261	262.4	2	2111
PL01	PL01-0390-PL01-0330	yes	6	413	414	2	2000
PL01	PL01-0300-PL01-0290	yes	6	245	246.3	4	412H
PL01	PL01-0220-PL01-0210	yes	6	253	254.1	5	5141
PL01	PL01-1040-PL01-1030	yes	6	247	261.4	2	2100
PL01	PL01-0200-PL01-0190	yes	6	176	177.1	3	312F
PL01	PL01-0210-PL01-0190	yes	6	299	300.1	5	5141
PL01	PL01-0190-PL01-0180	yes	6	318	321.6	5	5141
PL01	PL01-1030-PL01-1020	yes	6	44	43.9	2	2900
PL01	PL01-1010-PL01-1000	yes	6	140	141.3	2	2A11
PL01	PL01-1000-PL01-0220	yes	6	113	113.9	4	4131
PL01	PL01-1020-PL01-1010	yes	6	153	153.4	3	312E
PL01	PL01-0250-PL01-0240	yes	6	469	472.1	4	4231
PL01	PL01-0230-PL01-0180	yes	6	385	388.7	3	342O
PL01	PL01-0240-PL01-0230	yes	6	447	449.7	4	422P
PL01	PL01-0180-PL01-0160	yes	6	335	337.6	4	412L
PL01	PL01-0170-PL01-0160	yes	6	260	262.1	5	5141
PL01	PL01-0910-PL01-0900	yes	6	246	247.2	4	432H
PL01	PL01-0150-PL01-0140	yes	6	164	164.5	4	4231
PL01	PL01-0160-PL01-0140	yes	6	180	179.7	2	2F00
PL01	PL01-0900-PL01-0890	yes	6	275	277.6	4	412F
PL01	PL01-0880-PL01-0850	yes	6	301	303.5	2	2K00
PL01	PL01-0870-PL01-0860	yes	6	246	245.5	4	4131
PL01	PL01-0890-PL01-0880	yes	6	358	350.5	2	2I00
PL01	PL01-0850-PL01-0820	yes	6	130	131.5	2	2C00
PL01	PL01-0840-PL01-0830	yes	6	321	323.4	5	5242
PL01	PL01-0830-PL01-0820	yes	6	199	198.9	4	4132
PL01	PL01-0860-PL01-0850	yes	6	180	180.8	4	4232
PL01	PL01-0820-PL01-0810	yes	6	308	308.7	2	2K00
PL01	PL01-0805-PL01-0800	yes	6	198	197.3	0	0000
PL01	PL01-0760-PL01-0750	yes	6	286	289.2	0	0000
PL01	PL01-0790-PL01-0780	yes	6	335	335.3	2	2K00
PL01	PL01-0800-PL01-0790	yes	6	4	3.5	0	0000
PL01	PL01-0780-PL01-0650	yes	6	295	296.9	2	2J00
PL01	PL01-0320-PL01-0280	yes	6	316	316.8	2	2K11
PL01	PL01-0290-PL01-0280	yes	6	166	165.1	3	312F
PL01	PL01-0750-PL01-0740	yes	6	336	338.9	4	4121
PL01	PL01-0090-PL01-0080	yes	6	312	39.7	4	4132
PL01	PL01-0720-PL01-0710	yes	6	65	66.1	1	1400
PL01	PL01-0730-PL01-0720	yes	6	228	228.5	3	322I
PL01	PL01-0130-PL01-0120	yes	6	111	99.2	3	3121
PL01	PL01-0140-PL01-0130	yes	6	222	222.9	2	2G00

## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
PL01	PL01-0110-PL01-0100	yes	6	160	156.9	2	2D00
PL01	PL01-0120-PL01-0110	yes	6	150	146	3	322D
PL01	PL01-0100-PL01-0050	yes	6	262	259.8	2	2I00
PL01	PL01-0710-PL01-0700	yes	6	180	9.5	0	0000
PL01	PL01-0695-PL01-0690	yes	6	119	120.9	4	4631
PL01	PL01-0690-PL01-0680	yes	6	144	142.9	2	2D00
PL01	PL01-0700-PL01-0695	yes	6	394	396	4	4831
PL01	PL01-0740-PL01-0700	yes	6	503	506.4	4	4822
PL01	PL01-0680-PL01-0675	yes	6	397	400.8	5	512N
PL01	PL01-0670-PL01-0650	yes	6	333	328	2	2L12
PL01	PL01-0675-PL01-0670	yes	6	246	243.3	2	2H00
PL01	PL01-0280-PL01-0270	yes	6	119	119.6	2	2I00
PL01	PL01-0270-PL01-0120	yes	6	297.8	300	2	2C11
PL01	PL01-0810-PL01-0790	yes	6	399.9	403.6	2	2O11
PL01	PL01-0260-PL01-0255	yes	6	65.2	65.2	3	3200
PL01	PL01-0255-PL01-0250	yes	6	465	468.4	1	1200
PL01	PL01-1050-PL01-1000	yes	6	128	130.8	3	312D
PL01	PL01-0350-PL01-0340	yes	6	346	347.7	5	512M
PL01	PL01-0490-PL01-0480	yes	6	396	414	5	5145
PL01	PL01-1100-PL01-1090	yes	6	304	308	0	0000
PL01	PL01-1080-PL01-0585	yes	6	188	188.8	0	0000
PL01	PL01-1090-PL01-1080	yes	6	80	80.4	0	0000
PL01	PL01-0400-PL01-0390	yes	6	230	232.6	0	0000
PL01	PL01-0735-PL01-0700	yes	6	172	173	5	5146
PL01	PL01-0740-PL01-0735	yes	6	317	317.1	4	4111
SM01	SM01-0900-SM01-0890	yes	6	189	188	2	2200
SM01	SM01-0901-SM01-0900	yes	6	23	22.9	0	0000
SM01	SM01-0920-SM01-0910	yes	6	31	30.7	0	0000
SM01	SM01-0890-SM01-0880	yes	6	355	358.8	3	3200
SM01	SM01-0910-SM01-0880	yes	6	356	358.2	5	5234
SM01	SM01-0930-SM01-0920	yes	6	415	419.8	0	0000
SM01	SM01-0870-SM01-0840	yes	6	340	342.6	5	5142
SM01	SM01-0880-SM01-0870	yes	6	223	224.7	4	4331
SM01	SM01-0570-SM01-0560	yes	6	140	142.3	0	0000
SM01	SM01-0180-SM01-0170	yes	6	102	102.5	0	0000
SP01	SP01-0240-SP01-0210	yes	6	221	221.3	2	2311
SP01	SP01-0230-SP01-0210	yes	6	239	239.9	2	2H00
SP01	SP01-0220-SP01-0200	yes	6	248	249.4	3	312I
SP01	SP01-0210-SP01-0200	yes	6	329	332	4	412E
SP01	SP01-0190-SP01-0150	yes	6	108	107.1	2	2C00
SP01	SP01-0160-SP01-0150	yes	6	266	266.2	2	2200
SP01	SP01-0170-SP01-0150	yes	6	309	310.1	2	2K00

## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
SP01	SP01-0180-SP01-0170	yes	6	347	329.9	3	312M
SP01	SP01-0050-SP01-0041	yes	6	42	27.4	2	2311
SP01	SP01-0070-SP01-0060	yes	6	383	381.4	2	2N00
SP01	SP01-0060-SP01-0050	yes	6	164	161.2	2	2E12
SP01	SP01-0150-SP01-0141	yes	6	365	367.2	2	2M00
SP01	SP01-0200-SP01-0190	yes	6	230	239.8	2	2I11
Z007	Z007-0480-Z007-0470	yes	6	213	213.1	4	412G
Z007	Z007-0490-Z007-0480	yes	6	176	179.1	4	4211
Z007	Z007-0530-Z007-0490	yes	6	342	200.5	4	4323
Z007	Z007-0540-Z007-0530	yes	6	121	113.9	4	4634
Z007	Z007-0560-Z007-0550	yes	6	208	207.3	4	4334
Z007	Z007-0550-Z007-0540	yes	6	96	95.8	4	4121
Z007	Z007-0500-Z007-0490	yes	6	131	133.6	4	4121
Z007	Z007-0730-Z007-0720	yes	6	211	213	4	4131
Z007	Z007-0830-Z007-0820	yes	6	132	132.9	0	0000
Z007	Z007-0840-Z007-0830	yes	6	238	56.8	5	5100
Z007	Z007-0820-Z007-0810	yes	6	124	124.6	2	2200
Z007	Z007-0750-Z007-0740	yes	6	137	137.9	4	4300
Z007	Z007-0790-Z007-0780	yes	6	272	243.7	2	2211
Z007	Z007-0570-Z007-0560	yes	6	45	47.9	0	0000
Z007	Z007-0810-Z007-0800	yes	6	319	321.4	5	5142
Z007	Z007-0580-Z007-0570	yes	6	124	128.4	4	4131
Z007	Z007-0720-Z007-0710	yes	6	389	391.1	4	4131
Z007	Z007-0740-Z007-0720	yes	6	347	351.1	4	4336
Z007	Z007-0690-Z007-0600	yes	6	308	302.1	4	4232
Z007	Z007-0700-Z007-0690	yes	6	346	346.5	4	4131
Z007	Z007-0710-Z007-0700	yes	6	311	95.2	1	1100
Z007	Z007-0510-Z007-0500	yes	6	156	156.2	3	3200
Z007	Z007-0520-Z007-0500	yes	6	339	341.2	4	4132
Z007	Z007-0590-Z007-0580	yes	6	86	89.3	4	4100
Z007	Z007-0600-Z007-0590	yes	6	100	100.4	4	4131
Z007	Z007-1140-Z007-1130	yes	6	147	148.1	4	4631
Z007	Z007-1150-Z007-1140	yes	6	199	201.1	5	5241
Z007	Z007-1160-Z007-1150	yes	6	312	128.4	4	4531
Z007	Z007-0670-Z007-0660	yes	6	169	172	4	4231
Z007	Z007-0680-Z007-0670	yes	6	186	186.2	3	3122
Z007	Z007-0420-Z007-0390	yes	6	352	356.8	4	4120
Z007	Z007-0430-Z007-0420	yes	6	112	113.3	0	0000
Z007	Z007-0440-Z007-0430	yes	6	184	182.9	0	0000
Z007	Z007-0470-Z007-0460	yes	6	145	145	4	4132
Z007	Z007-0460-Z007-0420	yes	6	72	68.9	2	2B00
Z007	Z007-0450-Z007-0440	yes	6	270	268	2	2200



## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
Z007	Z007-0350-Z007-0340	yes	6	122	120.6	0	0000
Z007	Z007-0390-Z007-0340	yes	6	281	283.9	1	1100
Z007	Z007-0410-Z007-0390	yes	6	258	259.9	3	342I
Z007	Z007-0400-Z007-0390	yes	6	119	118.9	0	0000
Z007	Z007-0290-Z007-0280	yes	6	174	174.3	0	0000
Z007	Z007-0270-Z007-0260	yes	6	122	120.8	0	0000
Z007	Z007-0300-Z007-0290	yes	6	130	128.3	1	1300
Z007	Z007-0360-Z007-0340	yes	6	299	299.7	4	4111
Z007	Z007-0280-Z007-0260	yes	6	56	56.9	3	3111
Z007	Z007-0230-Z007-0220	yes	6	121	119.8	0	0000
Z007	Z007-0340-Z007-0260	yes	6	350	352.3	0	0000
Z007	Z007-0260-Z007-0220	yes	6	369	368.6	4	4131
Z007	Z007-0240-Z007-0220	yes	6	259	259.8	3	3300
Z007	Z007-0200-Z007-0190	yes	6	45	43.4	5	5100
Z007	Z007-0250-Z007-0240	yes	6	155	156	2	2E00
Z007	Z007-0220-Z007-0210	yes	6	245	244.9	2	2100
Z007	Z007-0170-Z007-0160	yes	6	299	299.2	0	0000
Z007	Z007-0210-Z007-0190	yes	6	197	196.4	0	0000
Z007	Z007-0180-Z007-0170	yes	6	400	398.5	0	0000
Z007	Z007-0160-Z007-0155	yes	6	124	152.4	0	0000
Z007	Z007-0190-Z007-0180	yes	6	224	224.7	2	2100
Z007	Z007-1110-Z007-0155	yes	6	250	252.4	0	0000
Z007	Z007-0150-Z007-0140	yes	6	225	226.9	2	2100
Z007	Z007-0155-Z007-0150	yes	6	36	36.1	0	0000
Z007	Z007-1120-Z007-1110	yes	6	279	281.1	0	0000
Z007	Z007-0130-Z007-0120	yes	6	304	300.5	0	0000
Z007	Z007-1050-Z007-1040	yes	6	380	383.3	0	0000
Z007	Z007-0140-Z007-0130	yes	6	245	246.1	0	0000
Z007	Z007-1040-Z007-1010	yes	6	188	187.5	0	0000
Z007	Z007-0093-Z007-0090	yes	6	13	12.6	0	0000
Z007	Z007-0120-Z007-0093	yes	6	378	378.9	5	5100
Z007	Z007-1010-Z007-1000	yes	6	218	224.5	0	0000
Z007	Z007-1000-Z007-0093	yes	6	177	179.1	0	0000
Z007	Z007-1030-Z007-1020	yes	6	205	156.3	0	0000
Z007	Z007-1020-Z007-1010	yes	6	65	67.1	0	0000
Z007	Z007-0070-Z007-0060	yes	6	113	116.9	0	0000
Z007	Z007-0085-Z007-0080	yes	6	155	154.9	3	3121
Z007	Z007-0080-Z007-0070	yes	6	28	21.5	0	0000
Z007	Z007-0090-Z007-0085	yes	6	159	158.9	0	0000
Z007	Z007-0100-Z007-0090	yes	6	84	75.6	2	2100
Z007	Z007-1100-Z007-0110	yes	6	28	101.8	0	0000
Z007	Z007-0110-Z007-0100	yes	6	115	117.2	2	2100

## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
Z007	Z007-0860-Z007-0850	yes	6	379	329.1	5	5143
Z007	Z007-0850-Z007-0840	yes	6	328	330.2	4	4232
Z007	Z007-0040-Z007-0030	yes	6	316	317.2	0	0000
Z007	Z007-0060-Z007-0050	yes	6	22	22	0	0000
Z007	Z007-0050-Z007-0040	yes	6	231	227.9	0	0000
Z007	Z007-0760-Z007-0750	yes	6	53	53.6	2	2100
Z007	Z007-0780-Z007-0770	yes	6	143	95.2	4	4200
Z007	Z007-0770-Z007-0760	yes	6	284	294.3	5	5143
Z007	Z007-0640-Z007-0630	yes	6	320	323.7	5	5243
Z007	Z007-0610-Z007-0600	yes	6	301	306.3	0	0000
Z007	Z007-0630-Z007-0620	yes	6	214	192.5	5	5243
Z007	Z007-0650-Z007-0640	yes	6	301	303.1	4	4B21
Z007	Z007-0620-Z007-0610	yes	6	76	76	0	0000
Z007	Z007-0380-Z007-0370	yes	6	158	160	0	0000
Z007	Z007-1130-Z007-0620	yes	6	230	227.6	4	4A38
Z007	Z007-0800-Z007-0780	yes	6	296	107	0	0000
Z007	Z007-0660-Z007-0650	yes	6	224	224.7	1	1100
Z007	Z007-0370-Z007-0360	yes	6	187	113.2	4	4111
Z007	Z007-0330-Z007-0320	yes	6	131.7	133.6	3	3112
Z007	Z007-0320-Z007-0300	yes	6	153	153.1	4	4100
Z007	Z007-0310-Z007-0300	yes	6	39	38.3	0	0000
CS01	CS01-0005:CS01-0001	yes	6	5	5	0	0000
CS01	CS01-0010:CS01-0005	yes	6	63	64.5	0	0000
CS01	CS01-0020:CS01-0010	yes	6	7	6.5	0	0000
CS01	CS01-0030:CS01-0020	yes	6	112	113.9	4	4100
CS01	CS01-0040:CS01-0030	yes	6	321	324.4	0	0000
CS01	CS01-0045:CS01-0040	yes	6	177	178	0	0000
CS01	CS01-0050:CS01-0040	yes	6	295	297	2	2300
CS01	CS01-0055:CS01-0050	yes	6	177	180	0	0000
CS01	CS01-0060:CS01-0050	yes	6	103	101	3	3100
CS01	CS01-0070:CS01-0060	yes	6	277	279	4	4122
CS01	CS01-0080:CS01-0060	yes	6	350	356	3	3E00
CS01	CS01-0090:CS01-0080	yes	6	227	231	3	3E23
CS01	CS01-0100:CS01-0080	yes	6	236	237	3	3222
CS01	CS01-0110:CS01-0080	yes	6	52	53	0	0000
CS01	CS01-0120:CS01-0110	yes	6	399	399	5	5142
CS01	CS01-0130:CS01-0120	yes	6	382	383	4	4131
CS01	CS01-0140:CS01-0020	yes	6	81	81.1	0	0000
CS01	CS01-0150:CS01-0140	yes	6	223	233.7	0	0000
CS01	CS01-0152:CS01-0150	yes	6	61	64	0	0000
CS01	CS01-0155:CS01-0152	yes	6	48	50	4	4100
CS01	CS01-0160:CS01-0155	yes	6	102	103	2	2100

## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
CS01	CS01-0165:CS01-0150	yes	6	57	57.2	2	2200
CS01	CS01-0170:CS01-0165	yes	6	156	156	0	0000
CS01	CS01-0181:CS01-0165	yes	6	174	174.2	3	3124
CS01	CS01-0210:CS01-0201	yes	6	218	218.9	2	2515
CS01	CS01-0210:CS01-0201	yes	6	218	218.9	2	2515
CS01	CS01-0220:CS01-0210	yes	6	313	300	4	4332
CS01	CS01-0230:CS01-0220	yes	6	190	192	4	4131
CS01	CS01-0240:CS01-0230	yes	6	57	57	3	3211
CS01	CS01-0250:CS01-0240	yes	6	94	94	4	4131
CS01	CS01-0260:CS01-0230	yes	6	159.5	151.7	5	5143
CS01	CS01-0270:CS01-0260	yes	6	131	134.2	4	4100
CS01	CS01-0280:CS01-2070	yes	6	131	134.2	4	4100
CS01	CS01-0290:CS01-0280	yes	6	216	211.2	3	3100
CS01	CS01-0300:CS01-0280	yes	6	350	355	0	0000
CS01	CS01-0310:CS01-0300	yes	6	148	150	4	4233
CS01	CS01-0320:CS01-0310	yes	6	383	388	5	5241
CS01	CS01-0330:CS01-0320	yes	6	399	401.6	4	4131
CS01	CS01-0340:CS01-0210	yes	6	390	394	5	5142
CS01	CS01-0350:CS01-0340	yes	6	383	385.7	5	5131
CS01	CS01-0360:CS01-0350	yes	6	395	400	3	3300
CS01	CS01-0370:CS01-0360	yes	6	57	58	0	0000
CS01	CS01-0380:CS01-0370	yes	6	251	124.5	0	0000
CS01	CS01-0380:CS01-0370	yes	6	251	212.5	0	0000
CS01	CS01-0387:CS01-0380	yes	6	31	32	3	3100
CS01	CS01-0390:CS01-0387	yes	6	299	302	5	5141
CS01	CS01-0400:CS01-0370	yes	6	247	249	3	3100
CS01	CS01-0410:CS01-0400	yes	6	173	174.1	4	4221
CS01	CS01-0420:CS01-0410	yes	6	173	136	0	0000
CS01	CS01-0430:CS01-0410	yes	6	395	265.9	5	5147
CS01	CS01-0430:CS01-0410	yes	6	395	265.9	5	5147
CS01	CS01-0441:CS01-0201	yes	6	102	102.9	0	0000
CS01	CS01-0445:CS01-0441	yes	6	43	43.8	0	0000
CS01	CS01-0480:CS01-0465	yes	6	223	223.5	5	5142
CS01	CS01-0490:CS01-0480	yes	6	258	258.1	3	3111
CS01	CS01-0500:CS01-0490	yes	6	350	352.6	5	5141
CS01	CS01-0510:CS01-0500	yes	6	146	148.1	4	4231
CS01	CS01-0520:CS01-0490	yes	6	363	366.4	4	4135
CS01	CS01-0530:CS01-0520	yes	6	130	131.9	4	4133
CS01	CS01-0540:CS01-0530	yes	6	99	99.8	4	4134
CS01	CS01-0550:CS01-0540	yes	6	94	95.1	3	3200
CS01	CS01-0560:CS01-0540	yes	6	99	100.1	5	5142
CS01	CS01-0570:CS01-0560	yes	6	271	274.8	4	4137

## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
CS01	CS01-0580:CS01-0570	yes	6	104	106.4	2	2100
CS01	CS01-0590:CS01-0580	yes	6	167	168.2	0	0000
CS01	CS01-0600:CS01-0590	yes	6	98	100.7	4	4100
CS01	CS01-0610:CS01-0600	yes	6	244	247	3	3311
CS01	CS01-0620:CS01-0570	yes	6	101	102.9	4	4131
CS01	CS01-0630:CS01-0620	yes	6	398	403.8	5	5141
CS01	CS01-0640:CS01-0630	yes	6	151	152.8	3	3121
CS01	CS01-0650:CS01-0640	yes	6	124	125.8	4	4100
CS01	CS01-0660:CS01-0650	yes	6	92	93.1	3	3100
CS01	CS01-0670:CS01-0660	yes	6	378	404	5	5143
CS01	CS01-0680:CS01-0670	yes	6	235	235.2	4	4432
CS01	CS01-0690:CS01-0480	yes	6	189	195.3	5	513D
CS01	CS01-0700:CS01-0690	yes	6	389	392	5	5142
CS01	CS01-0710:CS01-0700	yes	6	223	233.9	5	5133
CS01	CS01-0720:CS01-0710	yes	6	101	103.8	0	0000
CS01	CS01-0730:CS01-0720	yes	6	171	175.1	3	3100
CS01	CS01-0740:CS01-0690	yes	6	232	233	3	3F00
CS01	CS01-0750:CS01-0740	yes	6	213.1	213.1	3	3328
CS01	CS01-0760:CS01-0750	yes	6	318	315.9	2	2400
CS01	CS01-0770:CS01-0750	yes	6	229	230.2	2	2200
CS01	CS01-0780:CS01-0770	yes	6	136	134.2	0	0000
CS01	CS01-0800:CS01-0780	yes	6	335.9	335.9	3	3100
CS01	CS01-0810:CS01-0800	yes	6	259	262.6	4	4134
CS01	CS01-0820:CS01-0810	yes	6	190	193.1	0	0000
CS01	CS01-0830:CS01-0820	yes	6	286	290.7	3	3100
CS01	CS01-0840:CS01-0800	yes	6	28	28	3	3200
CS01	CS01-0850:CS01-0840	yes	6	73	73.1	5	5131
CS01	CS01-0860:CS01-0850	yes	6	280	281.5	3	3726
CS01	CS01-0870:CS01-0860	yes	6	113	113	3	3100
CS01	CS01-0880:CS01-0870	yes	6	89	90.5	3	3100
CS01	CS01-0890:CS01-0880	yes	6	70	71	3	3200
CS01	CS01-0900:CS01-0890	yes	6	59	57.1	4	4134
CS01	CS01-0910:CS01-0900	yes	6	232	225.3	4	413A
CS01	CS01-0920:CS01-0910	yes	6	192	194.3	3	3221
CS01	CS01-0930:CS01-0860	yes	6	27	25.2	0	0000
CS01	CS01-0940:CS01-0930	yes	6	78	77.5	3	3100
CS01	CS01-0950:CS01-0940	yes	6	305	321.1	4	4136
CS01	CS01-0960:CS01-0950	yes	6	78	78	0	0000
CS01	CS01-0970:CS01-0960	yes	6	21	20.5	0	0000
CS01	CS01-0980:CS01-0970	yes	6	80	88.7	3	3100
CS01	CS01-0990:CS01-0980	yes	6	132	125.8	2	2100
CS01	CS01-1000:CS01-0990	yes	6	320	320.8	4	4231

## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
CS01	CS01-1002:CS01-1000	yes	6	32	33.2	4	4100
CS01	CS01-1010:CS01-1000	yes	6	172	172.6	0	0000
CS01	CS01-1020:CS01-1002	yes	6	289	289.2	4	4131
CS01	CS01-1030:CS01-1020	yes	6	33	33	0	0000
CS01	CS01-1040:CS01-1030	yes	6	216	219.9	2	2100
CS01	CS01-1050:CS01-1030	yes	6	313	315.9	3	3322
CS01	CS01-1060:CS01-1050	yes	6	368	372	5	5142
CS01	CS01-1070:CS01-1050	yes	6	320	323	4	4411
CS01	CS01-1080:CS01-1070	yes	6	70	31	0	0000
CS01	CS01-1090:CS01-1070	yes	6	156	159	0	0000
CS01	CS01-1100:CS01-0980	yes	6	60	55.9	0	0000
CS01	CS01-1110:CS01-1100	yes	6	185	185.5	3	3100
CS01	CS01-1120:CS01-1110	yes	6	355	366.4	5	5132
CS01	CS01-1130:CS01-1120	yes	6	205	211.5	4	4151
CS01	CS01-1140:CS01-1130	yes	6	234	236.6	2	2100
CS01	CS01-1145:CS01-1140	yes	6	150	150.8	2	2100
CS01	CS01-1150:CS01-1145	yes	6	96	97.7	0	0000
CS01	CS01-1160:CS01-1120	yes	6	251	235.8	3	3200
CS01	CS01-1170:CS01-1160	yes	6	152	76.2	4	4100
CS01	CS01-1180:CS01-1170	yes	6	158	160	0	0000
CS01	CS01-1200:CS01-1190	yes	6	19	30.3	0	0000
CS01	CS01-1202:CS01-1200	yes	6	59	60.3	0	0000
CS01	CS01-1210:CS01-1202	yes	6	269	273.1	2	2200
CS01	CS01-1220:CS01-0770	yes	6	124	132.7	2	2400
CS01	CS01-1230:CS01-1220	yes	6	201	206.8	4	4324
CS01	CS01-1240:CS01-1230	yes	6	312	311	5	5145
CS01	CS01-1245:CS01-1240	yes	6	212	217.7	5	5133
CS01	CS01-1250:CS01-1245	yes	6	183	183	5	5132
CS01	CS01-1260:CS01-1250	yes	6	244	246.2	4	4532
CS01	CS01-1270:CS01-1260	yes	6	217	218.1	5	5142
CS01	CS01-1280:CS01-1270	yes	6	373	378.3	4	4131
CS01	CS01-1290:CS01-1280	yes	6	238	243	0	0000
CS01	CS01-1300:CS01-1290	yes	6	176	179.4	0	0000
CS01	CS01-1310:CS01-1280	yes	6	345	351	3	3422
CS01	CS01-1320:CS01-1310	yes					
CS01	CS01-1320:CS01-1310	yes	6	193	194.8	2	2100
CS01	CS01-1330:CS01-1320	yes	6	152	153	0	0000
CS01	CS01-1340:CS01-1320	yes	6	40	40	0	0000
CS01	CS01-1350:CS01-1340	yes	6	53	55	1	1100
CS01	CS01-1360:CS01-1350	yes	6	90	90	3	3112
CS01	CS01-1370:CS01-1270	yes	8	375	378	4	4631
CS01	CS01-1380:CS01-1370	yes	8	342	243.5	4	4532



## Appendix B - Smoke Testing and PACP Scores

Sub-Basin	Line Segment Name	Smoke Tested?	Pipe Dia. (In.)	GIS Segment Length (Ft.)	Televised Length (Ft.)	NASSCO PACP Structural Peak Score	NASSCO PACP Structural Quick Score
CS01	CS01-1390:CS01-1380	yes	6	347	354.1	5	5146
CS01	CS01-1400:CS01-1390	yes	6	349	351.7	5	5245
CS01	CS01-1480:CS01-1230	yes	8	213	215	4	4121
CS01	CS01-1490:CS01-1480	yes	6	130	131	4	4333
CS01	CS01-1500:CS01-1490	yes	6	257	248	4	4232
CS01	CS01-1510:CS01-1500	yes	6	342	349	3	3300
CS01	CS01-1520:CS01-1510	yes	6	297	302	4	4231
CS01	CS01-1530:CS01-1480	yes	6	79	79.1	0	0000
CS01	CS01-1540:CS01-1530	yes	6	110	110.6	0	0000
CS01	CS01-1550:CS01-1540	yes	6	96	96	3	3100
CS01	CS01-1560:CS01-1550	yes	6	246	26.8	0	0000
CS01	CS01-1570 :CS01-1560	yes	6	335	399.6	3	3300
CS01	CS01-1580:CS01-1570	yes	6	344	346	0	0000
CS01	CS01-1590:CS01-1580	yes	6	154	155.6	2	2100
CS01	CS01-1600:CS01-1590	yes	6	112	109.9	3	3300
CS01	CS01-1610:CS01-1600	yes	6	330	332.4	5	5141
CS01	CS01-1620:CS01-1610	yes	6	108	112	2	2100
CS01	CS01-1630:CS01-1620	yes	6	81	98.5	0	0000
CS01	CS01-1640:CS01-1630	yes	6	88	58.6	4	4200
CS01	CS01-1650:CS01-1640	yes	6	344	348.3	4	4434
CS01	CS01-1660:CS01-1530	yes	6	96	103.1	0	0000
CS01	CS01-1670:CS01-1660	yes	6	401	307.6	4	4131
CS01	CS01-1680:CS01-1670	yes	6	130	130.6	0	0000
CS01	CS01-1690 :CS01-1680	yes	6	114	114.8	0	0000
CS01	CS01-1700:CS01-1690	yes	6	151	152.7	0	0000
CS01	CS01-1710:CS01-1700	yes	6	200	202	0	0000
CS01	CS01-1720:CS01-1710	yes	6	56	56.5	4	4100
CS01	CS01-1726:CS01-1720	yes	6	36	36.2	0	0000
CS01	CS01-1730:CS01-1720	yes	6	238	238.1	3	3622
CS01	CS01-1740:CS01-1730	yes	6	109	108	0	0000
CS01	CS01-1750:CS01-1740	yes	6	334	334.8	0	0000
CS01	CS01-1760:CS01-1750	yes	6	63	63.4	0	0000
CS01	CS01-1770:CS01-1760	yes	6	131	131.8	0	0000
CS01	CS01-1780:CS01-1770	yes	6	291	291.9	0	0000
CS01	CS01-1790:CS01-1780	yes	6	275	278.7	5	5131
CS01	CS01-2000:CS01-1090	yes	6	187	187	0	0000
CS01	CS01-2010:CS01-2000	yes	6	105	105	0	0000
CS01	CS01-2020:CS01-1090	yes	6	78	79	0	0000
CS01	CS01-2030:CS01-2020	yes	6	147	149	0	0000
CS01	CS01-2200:CS01-1060	yes	6	49	49	3	3121

## Appendix C - Smoke Testing Defects

Sub-Basin	Line Segment Name	Address	Defect	Remarks
CL01			None	
CS01	CS01-0780:CS01-0770	1110 Creston St	Cracked MH Walls	Smoke coming out of ground by MH
CS01	CS01-0780:CS01-0770	6900 Texas Road	Cracked MH Walls	Smoke coming out of ground by MH in sidewalk
CS01	CS01-1245:CS01-1240	7108 Texas Road	Cracked MH Walls	Smoke coming out of ground by MH
CS01	CS01-0050:CS01-1040	711 Candlestick Ct	Cracked MH Walls	Smoke coming out of crack in driveway by MH
CS01	CS01-1180:CS01-1170	1110 Creston St	Possible Main Line	Smoke coming out of ground
CS01	CS01-0780:CS01-0770	1110 Creston St	Possible Main Line	Smoke coming out of ground
CS01	CS01-0780:CS01-0770	1110 Creston St	Possible Main Line	Smoke coming out of ground
CS01	CS01-1400:CS01-1390	1201 Cavanaugh	Possible Main Line	Smoke coming out of ground
CS01	CS01-0570:CS01-0560	689 Hillsdale Drive	Private Building Lateral	Smoke coming out of ground
CS01	CS01-1245:CS01-1240	7115 Texas Rd	Private Building Lateral	Smoke detected coming out of the ground just outside of the house footing and from under house
CS01	CS01-1245:CS01-1240	7123 Texas Rd	Private Building Lateral	Smoke detected coming out of the ground just outside of the house footing
CS01	CS01-1250:CS01-1245	7201 Texas Rd	Private Building Lateral	Smoke come out of ground at vacant lot
CS01	CS01-2200:CS01-1060	805 Creston St	Private Building Lateral	Cleanout cap missing, smoke coming form ground and french drain
CS01	CS01-2200:CS01-1060	809 Creston St	Private Building Lateral	Smoke coming out of ground
CS01	CS01-0080:CS01-0060	20 Candlestick	Private Defective Cleanouts	Cleanout cap is broken
CS01	CS01-2030:CS01-2020	5925 S 10th St	Private Defective Cleanouts	Cleanout cap is broken
CS01	CS01-0640:CS01-0630	601 Cedar Ln	Private Defective Cleanouts	Cleanout cap is broken
CS01	CS01-0860:CS01-0850	6720 Hwy 271 S	Private Defective Cleanouts	Cleanout is broken (No Access)
CS01	CS01-0710:CS01-0700	6808 S 9th St	Private Defective Cleanouts	Cleanout cap is broken
CS01	CS01-0510:CS01-0500	6813 S 8th St	Private Defective Cleanouts	Smoke detected coming out of the ground just outside of the house footing around the clean-out
CS01	CS01-0500:CS01-0490	6819 S 8th St	Private Defective Cleanouts	Cleanout cap is broken
CS01	CS01-0700:CS01-0690	6901 S 9th St	Private Defective Cleanouts	Cleanout is broken
CS01	CS01-0080:CS01-0060	7 Candlestick	Private Defective Cleanouts	Cleanout cap is missing
CS01	CS01-1245:CS01-1240	7108 Texas Rd	Private Defective Cleanouts	Cleanout cap is broken
CS01	CS01-1300:CS01-1290	7512 Alice Ln	Private Defective Cleanouts	Cleanout is broken
CS01	CS01-0740:CS01-0690	900 Hillside Dr.	Public Defective Cleanouts	Cleanout is broken
CS01	CS01-0740:CS01-0690	904 Hillside Dr.	Public Defective Cleanouts	Cleanout is broken
PL01	PL01-0150:PL01-0140	4222 B 50th Street	Cross Connection	Smoke coming out of metal fence post
PL01	PL01-0490:PL01-0480	3919 N 52nd Cir	Private Building Lateral	Smoke coming up next to house and drive
PL01	PL01-0350:PL01-0340	5218 Plum Street	Private Building Lateral	Smoke coming out of ground
PL01	PL01-0210:PL01-0190	5312 Cherry St	Private Building Lateral	Smoke coming out from under the house
PL01	PL01-0310:PL01-0300	3919 N 57th St	Private Defective Cleanouts	Cleanout is broken
PL01	PL01-0150:PL01-0140	4200 N 55th St	Private Defective Cleanouts	Cleanout is broken
PL01	PL01-0150:PL01-0140	4201 N 55th St	Private Defective Cleanouts	Cleanout is broken
PL01	PL01-0490:PL01-0480	3919 N 52nd Cir	Public Building Lateral	Smoke coming out of ground
SM01	SM01-0910:SM010-880	1212 School St	Private Building Lateral	lateral is brooken and cracked
SM01	SM01-0090:SM01-0080	623 Dugan Mill Cir	Private Building Lateral	Smoke coming up next to house in flower bed
SP01	SP01-0230:SP01-0210	5218 Virginia Ave	Possible Main Line	Smoke coming out of ground
Z007	Z007-0400:Z007-0390	97 Stirling Ct	Cracked MH Walls	Smoke coming out of ground by MH
Z007	Z007-0400:Z007-0390	1901 Queensbury Way	Possible Main Line	Smoke coming out of ground over main line in 3 places
Z007	Z007-0110:Z007-0100	2601 Oakview Road	Private Building Lateral	lateral has six defects
Z007	Z007-0130:Z007-0120	2311 Fianna Oaks Dr	Private Defective Cleanouts	Cleanout is broken
Z007	Z007-0850:Z007-0840	2606 Roxbury Ln	Private Defective Cleanouts	Cleanout is broken
Z007	Z007-0110:Z007-0100	8901 Jenny Lind	Private Defective Cleanouts	Cleanout cap is missing

Attachment 2  
FOG Generator Information

## 2020 FOG Control Device Tabulation

Date	FOG Control Device	Compliance	Enforcement Action Taken
1/6/2020	FOG2040001	Compliant	N/A
1/6/2020	FOG2040002	Compliant	N/A
1/7/2020	FOG2040003	Compliant	N/A
1/8/2020	FOG2040004	Compliant	N/A
1/8/2020	FOG2040005	Non-Compliant	Notice of Violation
1/8/2020	FOG2040006	Non-Compliant	Notice of Violation
1/9/2020	FOG2040007	Non-Compliant	Notice of Violation
1/9/2020	FOG2040008	Non-Compliant	Notice of Violation
1/10/2020	FOG2040009	Compliant	N/A
1/10/2020	FOG2040026	Non-Compliant	Notice of Violation
1/13/2020	FOG2020002	Compliant	N/A
1/13/2020	FOG2040010	Compliant	N/A
1/13/2020	FOG2020001	Non-Compliant	Notice of Violation
1/13/2020	FOG2040022	Non-Compliant	Notice of Violation
1/15/2020	FOG2040011	Compliant	N/A
1/15/2020	FOG2040012	Compliant	N/A
1/15/2020	FOG2040013	Non-Compliant	Notice of Violation
1/16/2020	FOG2020003	Compliant	N/A
1/16/2020	FOG2020004	Non-Compliant	Notice of Violation
1/16/2020	FOG2040014	Non-Compliant	Notice of Violation
1/17/2020	FOG2040015	Non-Compliant	Notice of Violation
1/17/2020	FOG2040016	Non-Compliant	Notice of Violation
1/21/2020	FOG2020005	Compliant	N/A
1/21/2020	FOG2020006	Non-Compliant	Notice of Violation
1/21/2020	FOG2040017	Non-Compliant	Notice of Violation
1/21/2020	FOG2040018	Non-Compliant	Notice of Violation
1/22/2020	FOG2040021	Compliant	N/A
1/22/2020	FOG2040019	Non-Compliant	Notice of Violation
1/22/2020	FOG2040020	Non-Compliant	Notice of Violation
1/23/2020	FOG2020007	Non-Compliant	Notice of Violation
1/23/2020	FOG2020008	Non-Compliant	Notice of Violation
1/23/2020	FOG2040023	Non-Compliant	Notice of Violation
1/23/2020	FOG2040024	Non-Compliant	Notice of Violation
1/24/2020	FOG2020009	Non-Compliant	Notice of Violation

1/24/2020	FOG2040025	Non-Compliant	Notice of Violation
1/27/2020	FOG2040027	Compliant	N/A
1/29/2020	FOG2040028	Compliant	N/A
1/29/2020	FOG2040029	Compliant	N/A
1/29/2020	FOG2020010	Non-Compliant	Notice of Violation
1/30/2020	FOG2020011	Compliant	N/A
1/30/2020	FOG2040030	Compliant	N/A
1/30/2020	FOG2040031	Compliant	N/A
1/30/2020	FOG2020012	Non-Compliant	Notice of Violation
1/31/2020	FOG2020013	Compliant	N/A
1/31/2020	FOG2040032	Compliant	N/A
2/3/2020	FOG2020017	Compliant	N/A

2/3/2020	FOG2040033	Compliant	N/A
2/3/2020	FOG2040034	Compliant	N/A
2/3/2020	FOG2040035	Compliant	N/A
2/3/2020	FOG2040036	Compliant	N/A
2/3/2020	FOG2040038	Compliant	N/A
2/3/2020	FOG2020014	Non-Compliant	Notice of Violation
2/3/2020	FOG2020015	Non-Compliant	Notice of Violation
2/3/2020	FOG2020016	Non-Compliant	Notice of Violation
2/3/2020	FOG2040037	Non-Compliant	Notice of Violation
2/4/2020	FOG2020018	Compliant	N/A
2/4/2020	FOG2020020	Compliant	N/A
2/4/2020	FOG2020019	Non-Compliant	Notice of Violation
2/4/2020	FOG2040039	Non-Compliant	Notice of Violation
2/4/2020	FOG2040040	Non-Compliant	Notice of Violation
2/4/2020	FOG2040041	Non-Compliant	Notice of Violation
2/6/2020	FOG2040042	Compliant	N/A
2/6/2020	FOG2040043	Non-Compliant	Notice of Violation
2/6/2020	FOG2040044	Non-Compliant	Notice of Violation
2/10/2020	FOG2020021	Compliant	N/A
2/10/2020	FOG2020024	Compliant	N/A
2/10/2020	FOG2020022	Non-Compliant	Notice of Violation
2/10/2020	FOG2020023	Non-Compliant	Notice of Violation
2/10/2020	FOG2020025	Non-Compliant	Notice of Violation
2/10/2020	FOG2020026	Non-Compliant	Notice of Violation
2/10/2020	FOG2040045	Non-Compliant	Notice of Violation
2/10/2020	FOG2040046	Non-Compliant	Notice of Violation



2/10/2020	FOG2040047	Non-Compliant	Notice of Violation
2/11/2020	FOG2020027	Compliant	N/A
2/11/2020	FOG2020028	Compliant	N/A
2/11/2020	FOG2040049	Compliant	N/A
2/11/2020	FOG2040048	Non-Compliant	Notice of Violation
2/13/2020	FOG2040050	Compliant	N/A
2/13/2020	FOG2040051	Non-Compliant	Notice of Violation
2/17/2020	FOG2020032	Compliant	N/A
2/17/2020	FOG2040052	Compliant	N/A
2/17/2020	FOG2020029	Non-Compliant	Notice of Violation
2/17/2020	FOG2020030	Non-Compliant	Notice of Violation
2/17/2020	FOG2020031	Non-Compliant	Notice of Violation
2/17/2020	FOG2040053	Non-Compliant	Notice of Violation
2/17/2020	FOG2040054	Non-Compliant	Notice of Violation
2/17/2020	FOG2040055	Non-Compliant	Notice of Violation
2/17/2020	FOG2040056	Non-Compliant	Notice of Violation
2/17/2020	FOG2040057	Non-Compliant	Notice of Violation
2/18/2020	FOG2040058	Compliant	N/A
2/18/2020	FOG2020033	Non-Compliant	Notice of Violation
2/18/2020	FOG2020034	Non-Compliant	Notice of Violation
2/19/2020	FOG2040059	Compliant	N/A

2/19/2020	FOG2040061	Compliant	N/A
2/19/2020	FOG2040060	Non-Compliant	Notice of Violation
2/19/2020	FOG2040062	Non-Compliant	Notice of Violation
2/20/2020	FOG2020035	Compliant	N/A
2/20/2020	FOG2040063	Compliant	N/A
2/20/2020	FOG2040064	Compliant	N/A
2/21/2020	FOG2020036	Compliant	N/A
2/21/2020	FOG2020037	Non-Compliant	Notice of Violation
2/21/2020	FOG2020038	Non-Compliant	Notice of Violation
2/24/2020	FOG2040065	Compliant	N/A
2/24/2020	FOG2040067	Compliant	N/A
2/24/2020	FOG2040066	Non-Compliant	Notice of Violation
2/25/2020	FOG2040068	Compliant	N/A
2/25/2020	FOG2040070	Compliant	N/A
2/25/2020	FOG2040069	Non-Compliant	Notice of Violation
2/26/2020	FOG2040071	Compliant	N/A
2/26/2020	FOG2040072	Compliant	N/A

2/27/2020	FOG2040076	Compliant	N/A
2/27/2020	FOG2040073	Non-Compliant	Notice of Violation
2/27/2020	FOG2040074	Non-Compliant	Notice of Violation
2/27/2020	FOG2040075	Non-Compliant	Notice of Violation
2/28/2020	FOG2040077	Compliant	N/A
2/28/2020	FOG2040078	Compliant	N/A
3/2/2020	FOG2040079	Compliant	N/A
3/2/2020	FOG2040080	Compliant	N/A
3/2/2020	FOG2040081	Non-Compliant	Notice of Violation
3/3/2020	FOG2040083	Compliant	N/A
3/3/2020	FOG2040082	Compliant	N/A
3/3/2020	FOG2040084	Compliant	N/A
3/4/2020	FOG2040085	Compliant	N/A
3/5/2020	FOG2020039	Compliant	N/A
3/5/2020	FOG2040088	Compliant	N/A
3/5/2020	FOG2040086	Compliant	N/A
3/5/2020	FOG2040087	Compliant	N/A
3/5/2020	FOG2040089	Compliant	N/A
3/6/2020	FOG2020040	Compliant	N/A
3/6/2020	FOG2040090	Compliant	N/A
3/9/2020	FOG2040092	Compliant	N/A
3/9/2020	FOG2040093	Compliant	N/A
3/9/2020	FOG2040091	Non-Compliant	Notice of Violation
3/10/2020	FOG2040094	Compliant	N/A
3/10/2020	FOG2040095	Non-Compliant	Notice of Violation
3/11/2020	FOG2040096	Compliant	N/A
3/11/2020	FOG2040097	Compliant	N/A
3/12/2020	FOG2040098	Compliant	N/A
3/16/2020	FOG2020041	Compliant	N/A
3/16/2020	FOG2040099	Compliant	N/A

6/1/2020	FOG2040100	Compliant	N/A
6/1/2020	FOG2040101	Compliant	N/A
6/1/2020	FOG2020042	Non-Compliant	Notice of Violation
6/1/2020	FOG2020043	Non-Compliant	Notice of Violation
6/2/2020	FOG2040103	Compliant	N/A
6/2/2020	FOG2020046	Compliant	N/A
6/2/2020	FOG2040102	Compliant	N/A
6/2/2020	FOG2020044	Non-Compliant	Notice of Violation

6/2/2020	FOG2020045	Non-Compliant	Notice of Violation
6/3/2020	FOG2020048	Compliant	N/A
6/3/2020	FOG2040104	Compliant	N/A
6/3/2020	FOG2040105	Compliant	N/A
6/3/2020	FOG2020047	Non-Compliant	Notice of Violation
6/4/2020	FOG2020049	Compliant	N/A
6/4/2020	FOG2020050	Compliant	N/A
6/4/2020	FOG2040106	Compliant	N/A
6/5/2020	FOG2020051	Non-Compliant	Notice of Violation
6/8/2020	FOG2040107	Compliant	N/A
6/9/2020	FOG2020052	Compliant	N/A
6/9/2020	FOG2020053	Compliant	N/A
6/9/2020	FOG2040108	Compliant	N/A
6/10/2020	FOG2020054	Non-Compliant	Final Notice of Violation
6/10/2020	FOG2040109	Compliant	N/A
6/10/2020	FOG2020055	Non-Compliant	Notice of Violation
6/11/2020	FOG2020056	Compliant	N/A
6/11/2020	FOG2020057	Compliant	N/A
6/11/2020	FOG2040110	Compliant	N/A
6/11/2020	FOG2040111	Compliant	N/A
6/12/2020	FOG2020058	Compliant	N/A
6/15/2020	FOG2020059	Compliant	N/A
6/15/2020	FOG2040112	Compliant	N/A
6/16/2020	FOG2020060	Compliant	N/A
6/16/2020	FOG2020061	Compliant	N/A
6/16/2020	FOG2040113	Compliant	N/A
6/16/2020	FOG2040114	Compliant	N/A
6/16/2020	FOG2020062	Non-Compliant	Notice of Violation
6/17/2020	FOG2020064	Compliant	N/A
6/17/2020	FOG2020066	Compliant	N/A
6/17/2020	FOG2020063	Non-Compliant	Notice of Violation
6/17/2020	FOG2020065	Non-Compliant	Notice of Violation
6/18/2020	FOG2020067	Compliant	N/A
6/18/2020	FOG2020068	Compliant	N/A
6/18/2020	FOG2040115	Compliant	N/A
6/19/2020	FOG2040116	Non-Compliant	Notice of Violation
6/22/2020	FOG2020071	Non-Compliant	Final Notice of Violation
6/22/2020	FOG2020069	Compliant	N/A
6/22/2020	FOG2020070	Compliant	N/A

6/22/2020	FOG2020072	Compliant	N/A
6/23/2020	FOG2020073	Compliant	N/A
6/23/2020	FOG2020074	Compliant	N/A
6/24/2020	FOG2020075	Compliant	N/A
6/24/2020	FOG2020076	Compliant	N/A
6/25/2020	FOG2020077	Non-Compliant	Notice of Violation
6/26/2020	FOG2020078	Compliant	N/A
6/29/2020	FOG2040121	Compliant	N/A
6/30/2020	FOG2040117	Compliant	N/A
6/30/2020	FOG2040118	Compliant	N/A
6/30/2020	FOG2040119	Compliant	N/A
6/30/2020	FOG2040120	Compliant	N/A
7/6/2020	FOG2040122	Compliant	N/A
7/6/2020	FOG2040123	Compliant	N/A
7/6/2020	FOG2040124	Compliant	N/A
7/7/2020	FOG2040126	Compliant	N/A
7/7/2020	FOG2020079	Non-Compliant	Notice of Violation
7/7/2020	FOG2040125	Non-Compliant	Notice of Violation
7/8/2020	FOG2040127	Compliant	N/A
7/8/2020	FOG2040128	Compliant	N/A
7/8/2020	FOG2020080	Non-Compliant	Notice of Violation
7/9/2020	FOG2020081	Compliant	N/A
7/9/2020	FOG2040129	Non-Compliant	Notice of Violation
7/10/2020	FOG2020082	Compliant	N/A
7/10/2020	FOG2020083	Compliant	N/A
7/10/2020	FOG2040130	Compliant	N/A
7/13/2020	FOG2020084	Compliant	N/A
7/13/2020	FOG2020085	Non-Compliant	Notice of Violation
7/13/2020	FOG2040131	Non-Compliant	Notice of Violation
7/13/2020	FOG2040132	Non-Compliant	Notice of Violation
7/14/2020	FOG2040133	Compliant	N/A
7/15/2020	FOG2020086	Compliant	N/A
7/15/2020	FOG2020087	Non-Compliant	Notice of Violation
7/16/2020	FOG2020088	Compliant	N/A
7/16/2020	FOG2020089	Compliant	N/A
7/16/2020	FOG2040134	Compliant	N/A
7/16/2020	FOG2040135	Compliant	N/A
7/17/2020	FOG2040136	Compliant	N/A

7/17/2020	FOG2040137	Compliant	N/A
7/20/2020	FOG2020090	Non-Compliant	Notice of Violation
7/21/2020	FOG2040138	Compliant	N/A
7/21/2020	FOG2040139	Compliant	N/A
7/23/2020	FOG2040140	Compliant	N/A
7/24/2020	FOG2040141	Non-Compliant	Notice of Violation
7/27/2020	FOG2040142	Compliant	N/A
7/27/2020	FOG2020091	Non-Compliant	Notice of Violation
7/27/2020	FOG2040143	Non-Compliant	Notice of Violation

7/28/2020	FOG2020092	Compliant	N/A
7/28/2020	FOG2040144	Compliant	N/A
7/29/2020	FOG2020093	Compliant	N/A
7/29/2020	FOG2020094	Compliant	N/A
7/29/2020	FOG2040146	Compliant	N/A
7/29/2020	FOG2040145	Non-Compliant	Notice of Violation
7/30/2020	FOG2020095	Compliant	N/A
7/30/2020	FOG2020096	Compliant	N/A
7/30/2020	FOG2040148	Compliant	N/A
7/30/2020	FOG2040147	Non-Compliant	Notice of Violation
7/31/2020	FOG2020098	Non-Compliant	Final Notice of Violation
7/31/2020	FOG2020097	Compliant	N/A
7/31/2020	FOG2040149	Non-Compliant	Notice of Violation
7/31/2020	FOG2040150	Non-Compliant	Notice of Violation
8/3/2020	FOG2020099	Compliant	N/A
8/3/2020	FOG2020100	Compliant	N/A
8/3/2020	FOG2040152	Compliant	N/A
8/3/2020	FOG2040151	Non-Compliant	Notice of Violation
8/4/2020	FOG2040153	Compliant	N/A
8/4/2020	FOG2040154	Compliant	N/A
8/4/2020	FOG2020101	Non-Compliant	Notice of Violation
8/5/2020	FOG2020102	Compliant	N/A
8/5/2020	FOG2020103	Compliant	N/A
8/5/2020	FOG2040155	Compliant	N/A
8/5/2020	FOG2040156	Non-Compliant	Notice of Violation
8/6/2020	FOG2020104	Compliant	N/A
8/6/2020	FOG2040157	Compliant	N/A
8/6/2020	FOG2040158	Compliant	N/A
8/7/2020	FOG2040159	Compliant	N/A



8/7/2020	FOG2020105	Non-Compliant	Notice of Violation
8/7/2020	FOG2020106	Non-Compliant	Notice of Violation
8/10/2020	FOG2020107	Compliant	N/A
8/10/2020	FOG2040160	Compliant	N/A
8/11/2020	FOG2040161	Compliant	N/A
8/11/2020	FOG2040162	Compliant	N/A
8/11/2020	FOG2020108	Non-Compliant	Notice of Violation
8/12/2020	FOG2020109	Compliant	N/A
8/12/2020	FOG2040163	Compliant	N/A
8/12/2020	FOG2040164	Compliant	N/A
8/13/2020	FOG2040165	Compliant	N/A
8/13/2020	FOG2040166	Compliant	N/A
8/18/2020	FOG2020110	Compliant	N/A
8/18/2020	FOG2040167	Compliant	N/A
8/18/2020	FOG2040168	Non-Compliant	Notice of Violation
8/19/2020	FOG2020111	Compliant	N/A
8/19/2020	FOG2040169	Compliant	N/A
8/20/2020	FOG2040170	Non-Compliant	Final Notice of Violation

8/20/2020	FOG2040171	Compliant	N/A
8/21/2020	FOG2040172	Compliant	N/A
8/25/2020	FOG2040173	Compliant	N/A
8/25/2020	FOG2040174	Compliant	N/A
8/26/2020	FOG2040175	Compliant	N/A
8/27/2020	FOG2020112	Compliant	N/A
8/27/2020	FOG2020113	Compliant	N/A
8/27/2020	FOG2040177	Compliant	N/A
8/27/2020	FOG2040176	Non-Compliant	Notice of Violation
8/28/2020	FOG2020114	Compliant	N/A
8/28/2020	FOG2020115	Compliant	N/A
9/8/2020	FOG2020116	Non-Compliant	Notice of Violation
9/9/2020	FOG2020117	Compliant	N/A
9/10/2020	FOG2020118	Compliant	N/A
9/14/2020	FOG2020119	Compliant	N/A
9/15/2020	FOG2020121	Compliant	N/A
9/15/2020	FOG2020120	Non-Compliant	Notice of Violation
9/16/2020	FOG2020122	Compliant	N/A
9/16/2020	FOG2020123	Compliant	N/A
9/17/2020	FOG2020124	Compliant	N/A

9/17/2020	FOG2040178	Compliant	N/A
9/17/2020	FOG2040179	Compliant	N/A
9/18/2020	FOG2020125	Compliant	N/A
9/18/2020	FOG2020126	Compliant	N/A
9/18/2020	FOG2040180	Compliant	N/A
9/18/2020	FOG2040181	Compliant	N/A
9/21/2020	FOG2020127	Compliant	N/A
9/21/2020	FOG2020128	Compliant	N/A
9/22/2020	FOG2020129	Compliant	N/A
9/22/2020	FOG2040182	Compliant	N/A
9/22/2020	FOG2040183	Compliant	N/A
9/22/2020	FOG2020130	Non-Compliant	Notice of Violation
9/23/2020	FOG2020131	Compliant	N/A
9/23/2020	FOG2020132	Compliant	N/A
9/23/2020	FOG2040184	Compliant	N/A
9/24/2020	FOG2020133	Compliant	N/A
9/24/2020	FOG2020134	Compliant	N/A
9/24/2020	FOG2020135	Compliant	N/A
9/24/2020	FOG2040185	Compliant	N/A
9/24/2020	FOG2040186	Non-Compliant	Notice of Violation
9/25/2020	FOG2020136	Compliant	N/A
9/25/2020	FOG2020137	Compliant	N/A
9/28/2020	FOG2040187	Compliant	N/A
9/29/2020	FOG2040188	Compliant	N/A
9/29/2020	FOG2040189	Compliant	N/A
9/30/2020	FOG2040190	Compliant	N/A
9/30/2020	FOG2040191	Compliant	N/A

10/5/2020	FOG2040192	Compliant	N/A
10/5/2020	FOG2040193	Compliant	N/A
10/6/2020	FOG2040194	Compliant	N/A
10/7/2020	FOG2040195	Compliant	N/A
10/7/2020	FOG2040196	Compliant	N/A
10/8/2020	FOG2040198	Non-Compliant	Final Notice of Violation
10/8/2020	FOG2040197	Compliant	N/A
10/9/2020	FOG2040199	Compliant	N/A
10/13/2020	FOG2020138	Compliant	N/A
10/15/2020	FOG2020139	Compliant	N/A
10/15/2020	FOG2020140	Compliant	N/A

FOG Control Device(s) in non-compliance  
FOG Control Device(s) in compliance

111  
228

## 2020 FOG Haulers Permitted

HAULER NAME	PHYSICAL ADDRESS	CITY, STATE, ZIP	PERMIT NO	PERMIT DATE
BROOKS GREASE SERVICE, INC.	1320 RIVER ST	BENTON,AR,72015	FOGH0003	12/15/2017
DARLING INGREDIENTS, INC. DBA DARPRO SOLUTIONS DRAIN	4611 THIBAUT RD	LITTLE ROCK,AR,72206	FOGH0005	3/27/2018
MASTERS, INC.	106 W FOLSOM BLVD	POCOLA,OK,74902	FOGH0004	1/18/2018
LIQUID ENVIRONMENTAL SOLUTIONS	15100 ROCKBRIDGE RD	LITTLE ROCK,AR,72206	FOGH0005	3/27/2018
MOSES PLUMBING DBA JERRY'S DRAIN SERVICE	4756 KIBLER RD	VAN BUREN,AR,72956	FOGH0002	12/15/2017
LEAK NOT, INC. DBA WESTARK PLUMBING ADVANCED	3117 WACO ST	FORT SMITH,AR,72903	FOGH0001	12/15/2017
MICROBIAL SOLUTIONS	5738 S. 116TH W. AVE	SAND SPRINGS,OK,74063	FOGH0007	5/21/2018
PRO ROOTER	7900 BALL RD	FORT SMITH,AR,72908	FOGH0008	9/25/2018
WILDER PLUMBING	506 RIDGE PT DR	FORT SMITH,AR,72908	FOGH0009	9/17/2019

## 2020 FOG Generator List

Permit #	Business Name	Comments
FOG00001	DAIRY FREEZE DRIVE-IN	
FOG00002	SAKUU ASIAN BAKERY & DELI	
FOG00003	SIMPLY SWEETS FOR YOU	Business Closed
FOG00004	WAFFLE HOUSE	
FOG00005	OUTBACK STEAKHOUSE	
FOG00006	DEWEY'S CAFÉ	
FOG00007	BRAUM'S #244	
FOG00008	BRAUM'S #230	
FOG00009	BRAUM'S #229	
FOG00010	RIVER VALLEY BBQ	Business Closed
FOG00011	FREDDY'S FROZEN CUSTARD & STEAKBURGERS	
FOG00012	HARDSCRABBLE COUNTRY CLUB	
FOG00013	BROOKFIELD AT FIANNA OAKS	
FOG00014	WALMART NEIGHBORHOOD MARKET #4579	
FOG00015	WALMART SUPERCENTER #141	
FOG00016	HOGWILD FAMILY FUN CENTER	Business Closed
FOG00017	BRICKTOWN BREWERY	
FOG00018	WALMART SUPERCENTER #388	
FOG00019	FORT SMITH SENIOR ACTIVITY CENTER	
FOG00020	SUNNY DONUTS	Business sold
FOG00021	PARADISE CARE, INC.	
FOG00022	HARP'S FOOD STORE #137	
FOG00023	SONIC DRIVE-IN	
FOG00024	CHINA JADE	Business Closed



FOG00025	SONIC DRIVE-IN	
FOG00026	HARP'S FOOD STORE #174	
FOG00027	TARGET STORE T2284	
FOG00028	TGI FRIDAY'S	
FOG00029	BURGER KING #6349	
FOG00030	BURGER KING #5146	
FOG00031	CALICO COUNTY RESTAURANT	
FOG00032	BURGER KING #2696	
FOG00033	BURGER KING #22748	
FOG00034	CHILI'S GRILL AND BAR	
FOG00035	BOWLING WORLD	
FOG00036	CHICK-FIL-A #1390	
FOG00037	PEACHTREE VILLAGE SOUTH	
FOG00038	WALMART SUPERCENTER #125	
FOG00039	ZERO MART	
FOG00040	CV'S FAMILY FOODS	
FOG00041	CV'S FAMILY FOODS	
FOG00042	SAM'S CLUB #8134	
FOG00043	WALMART NEIGHBORHOOD MARKET #2744	

FOG00044	SCHLOTZSKY'S	Business sold
FOG00045	FORT SMITH ELK'S LODGE #341	
FOG00046	GOLDEN LIVING	Business Closed
FOG00047	DIAMOND HEAD 2	
FOG00048	OLIVE GARDEN	
FOG00049	APPLEBEE'S NEIGHBORHOOD GRILL & BAR	
FOG00050	BURGER KING #3745	

FOG00051	FIVE GUYS BURGERS & FRIES	
FOG00052	WENDY'S #37	
FOG00053	WENDY'S #34	
FOG00054	WENDY'S #35	
FOG00055	FIRST LUTHERAN SCHOOL	
FOG00056	JIMMY JOHN'S	Business Closed
FOG00057	ARBY'S	Business sold
FOG00058	ED WALKER'S DRIVE-IN	
FOG00059	TACO BUENO	Business sold
FOG00060	MISS ANNA'S ON TOWSON	
FOG00061	THE EGG of Fort Smith	
FOG00062	SONIC DRIVE-IN	
FOG00063	JIMMY JOHN'S	
FOG00064	MCDONALD'S #16196	
FOG00065	MCDONALD'S #11594	
FOG00066	MCDONALD'S #1330	
FOG00067	MCDONALD'S #36558	
FOG00068	LA HUERTA	
FOG00069	HOOTERS OF FORT SMITH	
FOG00070	WHOLE HOG CAFÉ-FORT SMITH	
FOG00071	SANDY'S BAKE SHOPPE	Business Closed
FOG00072	TRUONG SON ASIAN CENTER	
FOG00073	R & R CURRY EXPRESS	
FOG00074	SWEET BOUTIQUE	Business Closed
FOG00075	DOUBLE TREE	
FOG00076	MCALISTER'S DELI	
FOG00077	SWEET RICE & NOODLE	

FOG00078	SONIC DRIVE-IN	
FOG00079	FRIED RICE	
FOG00080	BURRITO BOWL	Business Closed
FOG00081	METHODIST VILLAGE SENIOR LIVING	
FOG00082	BOB & ELLIE'S	Business Closed
FOG00083	MCDONALD'S #18761	
FOG00084	VILLAGE INN RESTAURANT	
FOG00085	TEXAS ROADHOUSE	
FOG00086	MCDONALD'S #33471	
FOG00087	LOST BEACH	no longer serves food
FOG00088	SABORES MEXICAN CUISINE	Business Closed
FOG00089	CASEY'S GENERAL STORE #3480	
FOG00090	LOS ANGELES BAKERY	

FOG00091	FORT SMITH COFFEE CO.	
FOG00092	FURR'S FRESH BUFFET #312	
FOG00093	BROWNWOOD LIFE CARE CENTER	
FOG00094	CHEDDAR'S SCRATCH KITCHEN #2037	
FOG00095	FIRST BAPTIST CHURCH	
FOG00096	JOHN DECKER PIZZA PARLOUR OF FORT SMITH	
FOG00097	BUTTERFIELD PLACE	
FOG00098	WESTERN SIZZLIN	Business Closed
FOG00099	WESTERN SIZZLIN	
FOG00100	FRIED RICE #2	
FOG00101	ASIAN KITCHEN EXPRESS	
FOG00102	JOE'S PIZZA & PASTA	moved locations
FOG00103	FUJI STEAK HOUSE	
FOG00104	10 BOX COST-PLUS #172	

FOG00105	CASEY'S GENERAL STORE #3267	
FOG00106	CENTRAL MALL	Business sold
FOG00107	PUPUSERIA VIROLENA	
FOG00108	FIANNA HILLS NURSING & REHABILITATION	
FOG00109	EUNICE'S COUNTRY COOKIN'	
FOG00110	CHUCK E CHEESE	
FOG00111	LONGHORN STEAKHOUSE #5375	
FOG00112	LEGACY HEALTH & REHAB	
FOG00113	STARBUCKS CORPORATION	
FOG00114	MARIA'S MEXICAN RESTAURANT	
FOG00115	TROPICAL SMOOTHIE CAFÉ	
FOG00116	ROLANDO'S	
FOG00117	A SMART START ACADEMY	
FOG00118	DELICIAS MICHOACANAS	
FOG00119	RESTAURANTE SALVADONENA NORITA	
FOG00120	GEORGE'S RESTAURANT	
FOG00121	ART'S BBQ & BURGERS	
FOG00122	SLIM CHICKENS 10018	
FOG00123	CAVANAUGH PIZZA	
FOG00124	SONIC DRIVE-IN	
FOG00125	SHOP N GO #2	
FOG00126	FORT SMITH HEALTH & REHAB	
FOG00127	DENNY'S #9212	
FOG00128	WILLIAMSBURG KITCHEN	Business Closed
FOG00129	LA HUERTA GRILL	
FOG00130	ARBY'S	Business sold
FOG00131	GENO'S PIZZA	

FOG00132	TEMPLE LIVE	
FOG00133	MIDLAND MARKET	
FOG00134	COMMUNITY RESCUE MISSION	
FOG00135	CHAPEL RIDGE HEALTH & REHAB	
FOG00136	ARAMARK DINING SERVICES	Business Closed
FOG00137	NEUMEIER'S RIB ROOM	

FOG00138	GREEN PAPAYA TWO	
FOG00139	OUR REDEEMER LUTHERAN CHURCH	
FOG00140	KENTUCKY FRIED CHICKEN	
FOG00141	ROOSTERS ON 50TH STREET	
FOG00142	R. LANDRY'S	business moved
FOG00143	JIM'S RAZORBACK PIZZA	
FOG00144	AL'S BAR-B-Q	
FOG00145	DOMINO'S PHOENIX AVE	
FOG00146	IHOP	
FOG00147	TACO BELL #344	
FOG00148	RESIDENCE INN FORT SMITH	
FOG00149	SMILE BULL	
FOG00150	LA HUERTA (GARRISON)	
FOG00151	JERECUARO D' MORENO	
FOG00152	TACO BELL #511	
FOG00153	GREEN PAPAYA	
FOG00154	TACO BELL #535	
FOG00155	BLISS CUPCAKE CAFÉ	Business sold
FOG00156	JOE'S GRILL & CANTINA	Business sold
FOG00157	TIENDA Y CARNICERIA LAS PALMAS	Business sold
FOG00158	JET-AWAY	



FOG00159	BUFFALO WILD WINGS	
FOG00160	FIANNA HILLS COUNTRY CLUB	Business Closed
FOG00161	PANERA BREAD	
FOG00162	MIDLAND FAMILY BOWL	
FOG00163	LOS SUPER TACOS EXPRESS #1	
FOG00164	LOS SUPER TACOS #2	
FOG00165	RED LOBSTER #6225	
FOG00166	PAPA JOHN'S PIZZA	
FOG00167	CICI'S PIZZA	
FOG00168	MCDONALD'S #4173	
FOG00169	ASUKA SUSHI & HIBACHI	
FOG00170	21 WEST END	
FOG00171	IMMACULATE CONCEPTION ELEMENTARY SCHOOL	
FOG00172	GATEWAY RECOVERY CENTER	
FOG00173	MIGUEL'S TAQUERIA	
FOG00174	JJ'S GRILL	
FOG00175	BETHEL LUTHERAN CHURCH	
FOG00176	DOMINO'S	
FOG00177	BASKIN ROBBINS	
FOG00178	GENO'S PIZZA	
FOG00179	GENO'S PIZZA	Business Closed
FOG00180	DOE'S EAT PLACE	
FOG00181	LITTLE CAESAR'S PIZZA	
FOG00182	CHURCH'S CHICKEN	
FOG00183	EUREKA PIZZA #11	
FOG00184	EUREKA PIZZA #12	

FOG00185	PIC-N-TOTE #2	Business sold
FOG00186	LOS BARDALES RESTAURANT	
FOG00187	PIC-N-TOTE #1	
FOG00188	HAVEN HEIGHTS BAPTIST CHURCH	
FOG00189	PIC-N-TOTE #11	
FOG00190	PIC-N-TOTE #4	business sold
FOG00191	PIC-N-TOTE #7	Business sold
FOG00192	UAMS KIDS FIRST	
FOG00193	PASTELERIA DON JOSE	
FOG00194	PIC-N-TOTE #8	Business sold
FOG00195	LAS AMERICAS TOO	
FOG00196	LA NORIA MEXICAN GRILL	Business Closed
FOG00197	GOLDEN CORRAL #703	
FOG00198	ROAD RUNNER #464	
FOG00199	BENSON'S GRILL	
FOG00200	ST PAUL UMC	
FOG00201	SONIC DRIVE-IN	
FOG00202	FS CHILDREN'S EMERGENCY SHELTER	
FOG00203	CHERRYBERRY	
FOG00204	TACOS 4 LIFE	
FOG00205	YELLOW UMBRELLA	
FOG00206	ROAD RUNNER #465	
FOG00207	BAKERY MI PUEBLO	
FOG00208	SONIC DRIVE-IN (MASSARD)	
FOG00209	JERRY NEEL'S BBQ	
FOG00210	HEAD START CHILD & FAMILY SERVICES	
FOG00211	WINGSTOP	

FOG00212	PAD THAI	
FOG00213	GRAND CENTRAL STATION	
FOG00214	TACO MAYO #27	
FOG00215	HONG KONG CHINESE RESTAURANT	Business sold
FOG00216	DOMINO'S (GRAND AVE)	
FOG00217	THE POPPED POPCORN COMPANY	
FOG00218	HARDEE'S (2720 ROGERS AVE)	
FOG00219	HARVEST MOON BAKERY	
FOG00220	HARDEE'S (PHOENIX AVE)	
FOG00221	EL ZARAPE	
FOG00222	HARDEE'S (4123 GRAND)	
FOG00223	LAOS THAI & SUSHI	Business Closed
FOG00224	THE SOUND ROOM	Business Closed
FOG00225	GUSANO'S PIZZA	
FOG00226	UNCORK'D	
FOG00227	DKONE EGGROLLS	Business sold
FOG00228	ZAPATA'S MEXICAN GRILL	
FOG00229	GUS'S BAR & GRILL	Business Closed
FOG00230	JUAN'S MEXICAN RESTAURANT	
FOG00231	CASEY'S GENERAL STORE #3750	

FOG00232	BOOKS A MILLION	
FOG00233	STARBUCKS (PHOENIX)	
FOG00234	POPEYE'S (ROGERS)	
FOG00236	HARDEES	business closed
FOG00237	CREATIVE KITCHEN	
FOG00238	SMITH DONUTS	Business Closed
FOG00239	FORT SMITH MUSEUM OF HISTORY	

FOG00240	PEKING PALACE	
FOG00241	SABORES MEXICAN CUISINE (TOWSON)	business closed
FOG00001	DAIRY FREEZE DRIVE-IN	
FOG00094	CHEDDAR'S SCRATCH KITCHEN #2037	
FOG00026	HARP'S FOOD STORE #174	
FOG00145	DOMINO'S PHOENIX AVE	
FOG00242	CHAFFEE PIZZA COMPANY	Business Closed
FOG00243	TACO BELL #510	
FOG00244	THE SANDBOX CHILD CARE CENTER	
FOG00245	PIZZA HUT #2608	
FOG00246	HOMWOOD SUITES	
FOG00247	LA VICTORIA MEXICAN GRILL	
FOG00248	LITTLEFIELD EXPRESS #2	
FOG00249	LA HUERTA (TOWSON AVE)	
FOG00250	CONFECTIONATELY YOURS	
FOG00251	RINCON LATINO	
FOG00252	SOUTH SIDE BAPTIST CHURCH	
FOG00253	TACO NACO	business sold
FOG00254	PAUL'S MEAT MARKET	
FOG00255	JEFF'S CLUB HOUSE	
FOG00256	COVINGTON COURT	
FOG00257	ASIAN BUFFET	
FOG00258	ASIAN BISTRO	
FOG00259	PAPA'S PUB & PIZZERIA	
FOG00260	COURTYARD BY MARRIOTT	
FOG00261	FIREHOUSE SUBS(ZERO)	
FOG00262	AJ'S OYSTER HOUSE	

FOG00263	THE ARTISTIC BEAN	
FOG00264	YW POKE	
FOG00265	LA MESA	
FOG00266	FISH CITY GRILL	
FOG00267	HOPE CAMPUS	
FOG00268	HIDEAWAY PIZZA	
FOG00269	JOE'S GRILL & CANTINA	
FOG00270	RAISING CANE'S	
FOG00271	MAJESTIC FORT SMITH	
FOG00272	TASTE & SEE CAFÉ	
FOG00273	THE WATERS OF FORT SMITH	business sold
FOG00274	TIME OUT GRILL (ELEVATE TRAMPOLINE PARK)	
FOG00275	THE HYDRATION STATION	

FOG00276	MERCY ORTHOPEDIC HOSPITAL	
FOG00277	GREAT AMERICAN COOKIES	
FOG00278	PIZZA HUT #2606	
FOG00279	CASSIE'S Eggroll	business closed
FOG00280	PIZZA HUT #2605	
FOG00281	INTERFAITH PRESCHOOL	
FOG00282	WHOLE HOG CAFÉ-PHOENIX AVE	
FOG00283	THE BUTCHER BLOCK	
FOG00284	KFC- HWY 71 SOUTH	
FOG00285	MOKA JOE'S COFFEE	
FOG00286	TACO BUENO	
FOG00287	TAIPEI CHINESE RESTAURANT	
FOG00288	PIC-N-TOTE TWO	

FOG00289	ELITE LEARNING ACADEMY	
FOG00290	FAIRVIEW ELEMENTARY	
FOG00291	RAMSEY JR HIGH	
FOG00292	Euper Lane Elementary	
FOG00293	CRISIS INTERVENTION CENTER	
FOG00294	BALLMAN ELEMENTARY	
FOG00295	DUNKIN DONUTS	
FOG00296	KIMMONS JR HIGH	
FOG00297	CHINA CITY	
FOG00298	MORRISON ELEMENTARY	
FOG00299	ANDY'S FROZEN CUSTARD	
FOG00300	ARBY'S TOWSON AVE	
FOG00301	ARBY'S ROGERS AVE	
FOG00302	BEEFMASTER BBQ & MEAT MARKET	
FOG00303	PIC-N-TOTE HWY 71 S	
FOG00304	DONUT PALACE	
FOG00305	EL SUPER TACO MIDLAND	
FOG00306	IRISH MAID DONUTS	
FOG00307	BLISS CUPCAKE CAFÉ	
FOG00308	HARBOR RECOVERY CENTER	
FOG00309	DARBY JR HIGH	
FOG00310	TILLESS ELEMENTARY	
FOG00311	CARNALL ELEMENTARY	
FOG00312	RAYMOND ORR ELEMENTARY	
FOG00313	ALBERT PIKE ELEMENTARY	
FOG00314	COOK ELEMENTARY	



FOG00315	CHAFFIN JR HIGH	
FOG00316	WOODS ELEMENTARY	
FOG00317	CENTRAL MALL	
FOG00318	J-MART	
FOG00319	GRAND AVENUE BAPTIST CHURCH	
FOG00320	EL GRANDE CARNITAS & CATERING	
FOG00321	EL LORITO-B STREET	
FOG00322	AVA'S AT FIANNA	

FOG00323	TIPSY'S PUB	
FOG00324	RIALTO RESTAURANT	
FOG00325	TIENDA & CARNICERIA EL PRIMO	
FOG00326	SPARTAN ADVENTURE PARK	
FOG00327	PAIZIS GYROS RESTAURANT	

Attachment 3  
Root Control Program

## 2020 Chemical Root Control

Pipe ID	Upstream MH2	Downstream MH	Address	Length	SSO Remediated	Treatment Date	Warranty Expiration	Notes
P007 2530-2520	P007-2530	P007-2520	211 N 40th	48	18-0072	11/3/2020	11/3/2023	Extended warranty treatment
S001 0120-0110	S001-0120	S001-0110	933 S. 68th Ln.	317	18-0029, 18-0017	11/4/2020	11/4/2023	Extended warranty treatment
MC02 0620-1370	MC02-0620	MC02-1370	1215 S. O	207	18-0005	11/4/2020	11/4/2023	Extended warranty treatment
P005 0710-0700	P005-0710	P005-0700	1408 N. 32nd	403	None	11/4/2020	11/4/2023	Extended warranty treatment
FL01 1225-1220	FL01-1225	FL01-1220	3419 Short Wilma	65	18-0113	11/3/2020	11/3/2023	Extended warranty treatment
S009 0820-0810	S009-0820	S009-0810	3515 N 50th	306	18-0040	11/3/2020	11/3/2023	Extended warranty treatment
P007 0557-0550	P007-0557	P007-0550	3830 Park Ave.	264	17-0358, 17-0359	11/3/2020	11/3/2023	Extended warranty treatment
FL02 1380-1370	FL02-1380	FL02-1370	4504 North St.	398	16-0082	11/3/2020	11/3/2023	Extended warranty treatment
PL01 0250-0240	PL01-0250	PL01-0240	5103 Elm St.	465	18-0120	11/3/2020	11/3/2023	Extended warranty treatment
S002 0890-0880	S002-0890	S002-0880	5902 Chippewa Trl	246	18-0077, 17-0370	11/3/2020	11/3/2023	Extended warranty treatment
Z005 0150-0140	Z005-0150	Z005-0140	9001 Kilitartan Dr.	316	17-0306	10/29/2020	10/29/2023	Extended warranty treatment
M004 1020-1010	M004-1020	M004-1010	8020 Mark Ln.	391	17-0352	11/4/2020	11/4/2023	Extended warranty treatment
W001 0623-0620	W001-0623	W001-0620	2518 Virginia	228	17-0340	11/3/2020	11/3/2023	Extended warranty treatment
P008 1670-1650	P008-1670	P008-1650	3318 Kinkead	433	17-0364	11/3/2020	11/3/2023	Extended warranty treatment
MC08 0480-0470	MC08-0480	MC08-0470	5324 S. 31	360	18-0036	11/4/2020	11/4/2023	Extended warranty treatment
Z005 0550-0530	Z005-0550	Z005-0530	2500 Glen Flora	69	18-0046	10/29/2020	10/29/2023	Extended warranty treatment
S006 0500-0490	S006-0500	S006-0490	1211 N. 52	366	18-0031	11/3/2020	11/3/2023	Extended warranty treatment
MC07 1100-1090	MC07-1100	MC07-1090	2901 Memphis	143	17-0280	11/4/2020	11/4/2023	Extended warranty treatment
S006 0940-0935	S006-0940	S006-0935	520 N 47th	242	18-0263,0264	11/3/2020	11/3/2022	
Z007 0710-0700	Z007-0710	Z007-0700	1816 Wellington	311		10/29/2020	10/29/2022	From 2020 SSA. Prev. Maint.
Z007 0530-0490	Z007-0530	Z007-0490	9908 Wellington	342	18-0382	11/4/2020	11/4/2022	
Z007 0800-0780	Z007-0800	Z007-0780	2301 Queensbury	296	19-0391	10/29/2020	10/29/2022	
Z007 0830-0820	Z007-0830	Z007-0820	2408 Queensbury	132		10/29/2020	10/29/2022	From 2020 SSA. Prev. Maint.
Z007 0810-0800	Z007-0810	Z007-0800	2409 Queensbury	319		10/29/2020	10/29/2022	From 2020 SSA. Prev. Maint.
HP01 0360-0340	HP01-0360	HP01-0340	3401 Meandering Ct.	196		11/4/2020	11/4/2022	From 2019 SSA. Prev. Maint.
RL01 1260-1250	RL01-1260	RL01-1250	2101 S 70th St.	302	18-0374	11/4/2020	11/4/2022	
MC05 2890-2880	MC05-2890	MC05-2880	2700 Ionia	243	19-0105, 0179	11/4/2020	11/4/2022	
MC05 2880-2870	MC05-2880	MC05-2870	2700 Ionia	51		11/4/2020	11/4/2022	Same location as MC05 2890-2880. Bamboo forest.
MC05 2870-2840	MC05-2870	MC05-2840	2700 Ionia	108		11/4/2020	11/4/2022	Same location as MC05 2890-2880. Bamboo forest.
MC05 2900-2880	MC05-2900	MC05-2880	2700 Ionia	96		11/4/2020	11/4/2022	Same location as MC05 2890-2880. Bamboo forest.
PL01-0130-0120	PL01-0130	PL01-0120	4200 N. 55 St.	111		11/3/2020	11/3/2022	from2020 SSA. Prev. maint.
PL01 0140-0130	PL01-0140	PL01-0130	4205 N. 55 St.	222		11/3/2020	11/3/2022	from2020 SSA. Prev. maint.
PL01 0740-0700	PL01-0740	PL01-0700	5518 Midland Blvd.	506		11/3/2020	11/3/2022	from2020 SSA. Prev. maint.
Z007 0860-0850	Z007-0860	Z007-0850	2716 Roxbury	379		10/29/2020	10/29/2022	from2020 SSA. Prev. maint.
Z007 0850-0840	Z007-0850	Z007-0840	2616 Roxbury	330		10/29/2020	10/29/2022	from2020 SSA. Prev. maint.
S004 0210-0200	S004-0210	S004-0200	Burnham Rd	333		11/3/2020	11/3/2022	Contractor video shown roots

## 2020 Mechanical Root Abatement

Pipe ID	Upstream MH	Downstream MH	Address	Abatement action	Method	SSO NUMBER
S006_0720_0710	S006_0720	S006_0710	2916 Kells Abbey	Root Cutter Jetting	Jet Clean	20-0002
CS01_1000_0990	CS01_1000	CS01_0990	931 Mason St.	Root Cutter Jetting	Jet Clean	20-0029
MC05_3120_3110	MC05_3120	MC05_3110	3200 Independence	Root Cutter Jetting	Jet Clean	20-0039
S006-0940-0935	S006-0940	S006-0935	520 North 47 St.	Root Cutter Jetting	Jet Clean	18-0263
RL01_2100_2090	RL01_2100	RL01_2090	8013 Oxford	Root Cutter Jetting	Jet Clean	20-0122
P009_0825_0820	P009_0825	P009_0820	2720 Old Greenwood	Root Cutter Jetting	Jet Clean	20-0118
MC05_5060_1710	MC05_5060	MC05_1710	2025 South Z St.	Root Cutter Jetting	Jet Clean	20-0125
RL01-1260-1250	RL01-1260	RL01-1250	2101 S. 70 St.	Root Cutter Jetting	Jet Clean	18-0374
Z007-0800-0780	Z007-0800	Z007-0780	2301 Queensbury Way	Root Cutter Jetting	Jet Clean	19-0391
Z007-0810-0800	Z007-0810	Z007-0800	2409 Queensbury Way	Root Cutter Jetting	Jet Clean	From SSA
Z007-0710-0700	Z007-0710	Z007-0700	1816 WELLINGTON WAY	Root Cutter Jetting	Jet Clean	From SSA
Z001 0540-0530	Z001-0540	Z001-0530	1820 Zero St.	Root Cutter Jetting	Jet Clean	20-0311
Z006 1820-1810	Z006-1820	Z006-1810	1306 Medaow Cir.	Root Cutter Jetting	Jet Clean	20-0236
CS01 1590-1600	CS01-1590	CS01-1600	7215 Hwy 271	Root Cutter Jetting	Jet Clean	20-0323
S002 1490-1460	S002-1490	S002-1460	1422 North 56th Ter.	Root Cutter Jetting	Jet Clean	20-0113

Attachment 4  
2020 Sanitary Sewer Overflow Events

## Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0002	01/04/2020	10:21 PM	01/05/2020	12:00 AM	2916 Kells Abbey	Z004-1440 to Z004-1430		495	Service Line		Roots	Grease	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0003	01/07/2020	8:50 AM	01/07/2020	9:26 AM	810 N 44th St	S006-0720 to S006-0710		36	Service Line			Line Break	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0004	01/07/2020	1:26 PM	01/07/2020	1:55 PM	1208 N Greenwood Ave	P008-0450 to P008-0440		58	Service Line			Grease	Jet Clean,	No Cleanup Performed,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0007	01/08/2020	10:34 PM	01/08/2020	11:29 PM	4131 Stanard Ave	P007-1990 to P007-1890	P007-1990	320	Manhole			Debris	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0009	01/10/2020	8:29 PM	01/11/2020	8:40 PM	Old Greenwood Rd	P009-0200 to P009-0165		326,250	Manhole			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0010	01/10/2020	10:59 PM	01/11/2020	12:59 PM	S 56th St	S004-1140 to S004-1130	S004-1140	21,025	Manhole			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0012	01/11/2020	1:00 AM	01/11/2020	1:10 AM	501 S 66th St	S002-0070 to S002-0066	S002-0070	75,000	Manhole			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0013	01/11/2020	1:25 AM	01/12/2020	8:05 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	368,000	Manhole			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0014	01/11/2020	11:35 AM	01/11/2020	11:40 AM	1425 N 34th St	P007-0060 to P007-0050	P007-0060	60,500	Manhole			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Reported
20-0015	01/11/2020	1:55 AM	01/11/2020	8:20 AM	Riverfront Dr	FL01-2030 to FL01-2020	FL01-2030	38,500	Manhole			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0016	01/11/2020	7:41 AM	01/11/2020	10:35 AM	8307 Mile Tree Dr	RL01-2460 to RL01-2450		186	Service Line			Debris	Jet Clean,	No Cleanup Performed,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0017	01/11/2020	10:30 AM	01/13/2020	7:30 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	742,500	Manhole			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0018	01/11/2020	12:00 PM	01/13/2020	3:59 PM	S 66th St	S001-0015 to S001-0014	S001-0015	330,000	Manhole			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Upper Little Vache Grasse Creek
20-0019	01/11/2020	12:30 PM	01/12/2020	9:45 AM	528 N 39th St	P007-1790 to P007-1780		6,375	Service Line			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0020	01/10/2020	10:18 PM	01/10/2020	11:29 PM	2901 S 98th Cir			72	Lift Station			Rainfall	None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable



## Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0021	01/12/2020	9:50 AM	01/12/2020	10:30 AM	535 N 40th St	P007-1780 to P007-1770	P007-1780	200	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0022	01/13/2020	3:45 PM	01/13/2020	3:46 PM	4101 Dallas St	P009-2480 to P009-2430	P009-2480	1	Manhole		Grease	Debris	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0026	01/18/2020	4:15 PM	01/18/2020	5:29 PM	134 Saint Andrews Ct	Z007-0460 to Z007-0420	Z007-0460	75	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0027	01/20/2020	9:59 AM	01/20/2020	12:59 PM	1901 Rocky Ct	W001-0360 to W001-0350		90	Service Line		Debris		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0029	01/24/2020	9:14 AM	01/24/2020	9:59 AM	931 Mason St	CS01-1000 to CS01-0990		46	Manhole		Roots		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0030	01/25/2020	6:46 PM	01/25/2020	7:32 PM	6505 Fresno St	M007-0070 to M007-0060	M007-0070	1,352	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	
20-0034	01/30/2020	8:00 AM	01/30/2020	8:45 AM	6505 Fresno St	M007-0070 to M007-0060	M007-0070	225	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0035	01/30/2020	8:30 AM	01/30/2020	8:45 AM	6511 Fresno St	M007-0070 to M007-0060		75	Main Line		Debris		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0036	02/01/2020	12:26 PM	02/01/2020	1:46 PM	8218 Hermitage Dr	Z006-1460 to Z006-1450	Z006-1460	80	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0038	02/06/2020	7:36 AM	02/06/2020	9:00 AM	1012 Phoenix Ave	MC04-0270 to MC04-0260	MC04-0270	168	Manhole		Grease	Debris	Power Rod,	Immediate Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0039	02/09/2020	2:55 PM	02/09/2020	5:50 PM	3200 Independence St	MC05-3120 to MC05-3110		175	Service Line		Roots	Grease	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0040	02/09/2020	5:20 PM	02/09/2020	8:25 PM	4611 Arlington Ave	FL02-0640 to FL02-0630		185	Service Line		Grease		Power Rod,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0042	02/10/2020	1:15 PM	02/10/2020	2:00 PM	3701 S 32nd Cir	MC05-3120 to MC05-3110		45	Service Line		Other		None Indicated,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0044	02/12/2020	9:00 AM	02/12/2020	3:30 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3020	19,500	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0045	02/12/2020	9:40 AM	02/12/2020	2:00 PM	Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	5,200	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0046	02/12/2020	10:18 AM	02/14/2020	2:58 PM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	869,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0048	02/12/2020	11:05 AM	02/12/2020	11:06 AM	10300 Jenny Lind Rd	Z008-0680 to Z008-0670		1	Service Line		Rainfall		None Indicated,	No Cleanup Performed,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable

# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0049	02/12/2020	12:40 PM	02/13/2020	10:30 AM	S 66th St	S001-0015 to S001-0014	S001-0015	118,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0050	02/12/2020	1:04 PM	02/12/2020	3:00 PM	501 S 66th St	S002-0070 to S002-0066	S002-0070	1,160	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0055	02/19/2020	8:14 AM	02/19/2020	11:15 AM	3204 S 58th St	M007-1670 to M007-1660		181	Service Line		Grease		Power Rod,Jet Clean	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0056	02/19/2020	3:33 PM	02/19/2020	3:34 PM	8508 Harvard Dr	Z006-0900 to Z006-0890	Z006-0900	1	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0057	02/21/2020	8:30 AM	02/21/2020	8:31 AM	4416 S 30th St	MC07-1010 to MC07-1000		1	Service Line		Line Break		Repair,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0063	02/26/2020	1:50 PM	02/26/2020	2:00 PM	2509 Roxbury Ln	Z007-0840 to Z007-0830		10	Service Line		Line Break	Other	Power Rod,Jet Clean	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0067	03/04/2020	8:00 AM	03/04/2020	10:30 AM	918 S D St	P011-0680 to P011-0660		150	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0070	03/05/2020	5:14 PM	03/05/2020	6:14 PM	3108 S 80th St	M004-1035 to M004-1030	M004-1035	305	Manhole		Grease	Debris	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0071	03/05/2020	8:37 PM	03/05/2020	9:45 PM	613 N 46th St	S006-1100 to S006-1000		3,400	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0072	03/06/2020	7:50 AM	03/06/2020	8:30 AM	700 N 47th St	S006-0908 to S006-0907	S006-0908	200	Manhole		Grease	Debris	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0073	03/07/2020	10:06 AM	03/07/2020	11:29 AM	5306 S 17th St	MC06-0930 to MC06-0890		840	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0074	03/07/2020	1:06 PM	03/07/2020	2:00 PM	9716 Bramble Brae St	Z005-1120 to Z005-1110	Z005-1120	108	Manhole		Grease	Debris	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0075	03/10/2020	2:19 PM	03/10/2020	2:49 PM	7101 AR Highway 45 S	M003-5570 to 007		900	Lift Station		Equipment Fail		Repair,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Upper Little Vache Grasse Creek
20-0076	03/10/2020	4:26 PM	03/10/2020	6:45 PM	5300 Virginia Ave	SP01-0200 to SP01-0190		2,085	Service Line		Debris		Power Rod,Jet Clean	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0077	03/10/2020	7:30 PM	03/10/2020	7:31 PM	3301 N 54th St	SP01-0200 to SP01-0190		1	Service Line		Debris		Power Rod,Jet Clean	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0079	03/15/2020	3:23 PM	03/15/2020	4:15 PM	N 49th St	S007-1490 to S007-1440	S007-1490	260	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0080	03/16/2020	9:59 AM	03/16/2020	11:00 AM	4623 N J St	S006-0595 to S006-0590		60	Service Line		Grease		Jet Clean,	No Cleanup Performed,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0083	03/18/2020	8:16 AM	03/21/2020	9:45 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	1,212,475	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek

## Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0084	03/18/2020	9:35 AM	03/18/2020	10:05 AM	622 N 19th St	P005-1690 to P005-1680		300	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0085	03/18/2020	10:35 AM	03/21/2020	9:20 AM	Kinkead Ave	S001-0015 to S001-0014	S001-0015	1,167,375	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0086	03/18/2020	2:38 PM	03/18/2020	3:14 PM	3901 Rogers Ave	P007-1264 to P007-1260		370	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0087	03/18/2020	3:36 PM	03/18/2020	3:59 PM	3804 Free Ferry Rd	P007-1180 to P007-1170	P007-1180	360	Manhole		Debris		None Indicated,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0088	03/19/2020	9:05 AM	03/19/2020	1:34 PM	Old Greenwood Rd	P009-0160 to P009-0150	P009-0160	5,380	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0090	03/19/2020	9:19 AM	03/19/2020	1:20 PM	501 N 66th St	S002-0080 to S002-0070	S002-0080	12,050	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0091	03/19/2020	9:31 AM	03/19/2020	1:25 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	5,850	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0093	03/20/2020	8:19 AM	03/20/2020	9:00 AM	1011 N 49th St	S007-1425 to S007-1420		41	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0094	03/21/2020	3:50 PM	03/21/2020	5:00 PM	2506 Dallas Cir	MC05-3340 to MC05-3330	MC05-3340	700	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0095	03/23/2020	2:34 PM	03/23/2020	3:05 PM	2506 Dallas Cir	MC05-3340 to MC05-3330	MC05-3340	310	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0096	03/24/2020	2:50 PM	03/24/2020	3:00 PM	912 S 24th St	P006-1820 to P006-1810		50	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0100	03/25/2020	2:48 PM	03/25/2020	3:20 PM	3904 N 28th St	W001-0980 to W001-0970		32	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0102	03/26/2020	2:55 PM	03/26/2020	3:20 PM	622 N 19th St	P005-1690 to P005-1680		125	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0106	03/27/2020	2:00 PM	03/27/2020	2:29 PM	605 S 22nd St	P006-0060 to P006-0050		60	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0108	03/31/2020	10:20 AM	04/01/2020	8:00 AM	N 66th St	S001-0015 to S001-0014	S001-0015	260,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0109	03/31/2020	11:05 AM	04/01/2020	8:17 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	254,600	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0111	04/01/2020	9:43 AM	04/01/2020	11:00 AM	3608 Brooken Hill Dr	Z004-0530 to Z004-0520		231	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0113	04/03/2020	8:01 AM	04/03/2020	9:00 AM	1422 N 56th Ter	S002-1490 to S002-1460		295	Service Line		Rainfall		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River

# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0114	04/03/2020	9:47 AM	04/03/2020	11:10 AM	1307 S 17th St	P006-0350 to P006-0345		249	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0116	04/09/2020	8:00 AM	04/09/2020	1:30 PM	4310 Virginia Ave	S009-0600 to S009-0590		330	Service Line		Line Break		Repair,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0118	04/13/2020	9:14 AM	04/13/2020	2:29 PM	2720 Old Greenwood Rd	P009-0822 to P009-0820		7,875	Manhole		Roots		Repair,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0119	04/13/2020	2:29 PM	04/13/2020	3:10 PM	2908 Xavier St	MC08-0480 to MC08-0470		41	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0122	04/16/2020	4:05 PM	04/16/2020	5:10 PM	8013 Oxford Pl	RL01-2100 to RL01-2090	RL01-2100	55	Manhole		Roots	Grease	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0123	04/17/2020	8:00 AM	04/17/2020	9:10 AM	2817 Memphis St	MC07-0540 to MC07-0530		60	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0125	04/20/2020	8:05 AM	04/20/2020	9:05 AM	2025 S Z St	MC05-5060 to MC05-1710		60	Service Line		Roots	Grease	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0126	04/20/2020	11:50 AM	04/20/2020	2:00 PM	1612 Magnolia Dr	Z002-0170 to Z002-0140		650	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0129	05/04/2020	8:50 AM	05/04/2020	9:00 AM	7816 Thayer Dr	SM01-0890 to SM01-0880		10	Service Line		Other		Jet Clean,	No Cleanup Performed,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0133	05/08/2020	11:42 AM	05/08/2020	1:30 PM	612 Lecta Ave	P008-1150 to P008-1140		108	Service Line		Line Break		Jet Clean,Repair	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0136	05/16/2020	10:44 PM	05/18/2020	2:29 PM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	357,750	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0138	05/17/2020	1:11 AM	05/17/2020	11:44 AM	3200 N M St	P005-3030 to P005-3020	P005-3020	9,495	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0139	05/17/2020	10:10 AM	05/17/2020	9:16 PM	9422 Rogers Ave	M002-0100 to M002-0070	M007-0100	3,330	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0140	05/17/2020	1:50 PM	05/17/2020	9:37 PM	5800 Boys Club Ln	Z001-0470 to Z001-0460	Z001-0470	2,335	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0141	05/17/2020	1:54 PM	05/17/2020	9:42 PM	5800 Boys Club Ln	Z001-0754 to Z001-0752	Z001-0754	70,200	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0142	05/19/2020	9:49 AM	05/19/2020	11:25 AM	3409 Houston St	P009-2290 to P009-2280	P009-2290	192	Manhole		Line Break		Repair,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0144	05/20/2020	4:24 PM	05/20/2020	5:00 PM	4722 Arlington Ave	FL02-1020 to FL02-1010		72	Service Line		Debris	Grease	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0145	05/25/2020	9:41 PM	05/26/2020	11:51 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	127,500	Manhole		Rainfall		None Indicated,	No Cleanup Performed,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River

# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0146	05/25/2020	10:11 PM	05/26/2020	12:14 PM	Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	168,800	Manhole		Rainfall		None Indicated,	Scheduled Cleanup, No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0147	05/25/2020	9:32 PM	05/25/2020	10:21 PM	106 Cornell Cir	Z006-1080 to Z006-1070		49	Service Line		Rainfall		None Indicated,	No Cleanup Performed, No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0149	05/25/2020	11:48 PM	05/27/2020	6:59 PM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	518,400	Manhole		Rainfall		None Indicated,	Scheduled Cleanup, No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0150	05/26/2020	8:00 AM	05/26/2020	12:55 PM	4123 Gary St	P009-2600 to P009-2590		590	Service Line		Grease		None Indicated,	Scheduled Cleanup, Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0152	05/29/2020	8:00 AM	05/29/2020	1:20 PM	3900 N O St	S007-3350 to S007-C002	S007-3350	640	Manhole		Grease	Debris	Jet Clean,	Scheduled Cleanup, Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0154	06/06/2020	2:15 PM	06/06/2020	4:20 PM	3915 Free Ferry Rd	P007-0960 to P007-0955	P007-0960	3,125	Manhole		Grease	Debris	Jet Clean,	Scheduled Cleanup, Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0155	06/07/2020	8:00 AM	06/07/2020	1:20 PM	4112 S 16th St	MC06-2100 to MC06-2090	MC06-2100	1,600	Manhole		Grease		Jet Clean,	Scheduled Cleanup, Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0156	06/08/2020	12:59 PM	06/08/2020	2:50 PM	5221 Johnson St	S005-0590 to S005-0580	S005-0580	111	Manhole		Grease		Jet Clean,	Scheduled Cleanup, Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0158	06/14/2020	2:35 PM	06/14/2020	4:40 PM	3915 Free Ferry Rd	P007-0960 to P007-0955	P007-0960	3,125	Manhole		Debris		Jet Clean,	Scheduled Cleanup, Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0159	06/15/2020	10:30 AM	06/15/2020	11:20 AM	3905 Towson Ave	MC06-0100 to MC06-0090		50	Service Line		Grease		Jet Clean,	Immediate Cleanup, Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0161	06/19/2020	9:04 AM	06/19/2020	10:20 AM	3905 Towson Ave	MC06-0100 to MC06-0090		152	Service Line		Debris		Jet Clean,	Scheduled Cleanup, Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0162	06/26/2020	10:55 AM	06/26/2020	4:20 PM	3317 Royal Scots Way	Z004-1170 to Z004-1160		1,625	Service Line		Line Break		Jet Clean,	Scheduled Cleanup, Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0163	06/26/2020	11:45 AM	06/26/2020	12:45 PM	3901 S 33rd St	MC07-1530 to MC07-1520		60	Service Line		Debris		None Required,	Scheduled Cleanup, Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0164	06/29/2020	9:24 AM	09/29/2020	9:46 AM	101 Cornell Cir	Z006-0380 to Z006-0360		22	Service Line		Grease		Jet Clean,	Scheduled Cleanup, Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0165	07/02/2020	3:45 PM	07/02/2020	5:00 PM	4201 Brigadoon Dr	Z008-0580 to Z008-0570	Z008-0580	150	Manhole		Debris		Jet Clean,	Scheduled Cleanup, Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0166	07/04/2020	8:00 AM	07/04/2020	8:00 PM	445 N 36th St	P008-1760 to P008-1750	P008-1760	3,600	Manhole		Rainfall		None Indicated,	Scheduled Cleanup, Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0167	07/06/2020	7:15 AM	07/06/2020	9:20 AM	2330 Independence St	MC05-2280 to MC05-2240	MC05-2280	1,250	Manhole		Debris		None Indicated,	Scheduled Cleanup, No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0168	07/06/2020	9:06 AM	07/06/2020	3:59 PM	304 Rogers Ave	P002-0810 to P002-0800		2,070	Service Line		Grease		None Indicated,	No Cleanup Performed, No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable

## Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0169	07/07/2020	7:30 AM	07/07/2020	9:20 AM	445 N 36th St	P008-1760 to P008-1750	P008-1760	220	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0170	07/09/2020	9:32 AM	07/09/2020	1:15 PM	1905 Massard Rd	RL01-2390 to RL01-2380	RL01-2390	223	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0171	07/12/2020	11:33 AM	07/12/2020	12:19 PM	3426 Wilma Ave	FL01-1230 to FL01-1210		230	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0172	07/13/2020	8:55 AM	07/13/2020	11:10 AM	7500 Cypress Ave	Z002-0290 to Z002-0280		675	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0175	07/18/2020	8:00 AM	07/18/2020	11:15 AM	3406 Heather Moor	M007-1350 to M007-1340	M007-1350	1,950	Manhole		Grease		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0176	07/18/2020	3:30 PM	07/18/2020	4:44 PM	3309 S 58th St	M007-1340 to M007-1320	M007-1340	600	Manhole		Grease		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0177	07/25/2020	3:59 PM	07/25/2020	5:50 PM	1904 Churchill Rd	S007-0580 to S007-0570		110	Service Line		Line Break		Jet Clean,Repair	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0178	07/26/2020	1:46 PM	07/27/2020	12:00 PM	4133 Riverfront Dr	FL01-0040 to FL01-0030	FL01-0040	33,375	Main Line		Line Break		Repair,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0179	07/27/2020	8:30 AM	07/27/2020	10:15 AM	21 Shady Ln	P006-2780 to P006-2740	P006-0010	105	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0180	07/27/2020	9:20 AM	07/27/2020	11:45 AM	2315 S U St	P006-3070 to P006-3060	P006-3070	1,450	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0183	07/29/2020	1:47 PM	07/29/2020	3:59 PM	3124 S 66th St	M007-1160 to M007-1140	M007-1160	1,330	Manhole		Grease	Debris	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0184	07/30/2020	10:32 AM	07/30/2020	11:45 AM	4133 Riverfront Dr	FL01-0040 to FL01-0030		7,300	Main Line		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0185	07/30/2020	10:32 AM	07/30/2020	3:33 PM	4133 Riverfront Dr	FL01-2030 to FL01-2020	FL01-2030	30,100	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0187	08/02/2020	4:44 PM	08/02/2020	5:29 PM	1904 Churchill Rd	S007-0580 to S007-0570		46	Service Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0189	08/03/2020	9:55 AM	08/03/2020	11:25 AM	2124 Valley Ln	P009-0450 to P009-0440		1,125	Main Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0192	08/06/2020	9:14 AM	08/06/2020	2:45 PM	6006 Ingersoll Ave	Z001-0890 to Z001-0880		1,650	Main Line				None Indicated,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0193	08/06/2020	11:19 AM	08/06/2020	2:29 PM	3908 Towson Ave	MC04-0180 to MC04-0170	MC04-0180	955	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable



# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0194	08/13/2020	7:58 AM	08/13/2020	8:15 AM	5500 Rogers Ave	S004-1140 to S004-1130	S004-1140	850	Manhole		Rainfall		None Required,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0195	08/13/2020	8:07 AM	08/13/2020	8:25 AM	420 N 20th St	P005-1860 to P005-1850	P005-1860	18	Manhole		Rainfall		None Required,	No Cleanup Performed,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0196	08/13/2020	8:07 AM	08/13/2020	8:25 AM	322 N 20th St	P005-1920 to P005-1860	P005-1920	18	Manhole		Rainfall		None Required,	No Cleanup Performed,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0197	08/14/2020	7:00 AM	08/14/2020	12:59 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	54,000	Manhole		Rainfall		None Required,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0198	08/14/2020	6:55 AM	08/14/2020	10:44 AM	5500 Rogers Ave	S004-1140 to S004-1130	S004-1140	23,000	Manhole		Rainfall		None Required,	No Cleanup Performed,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0199	08/14/2020	8:45 AM	08/14/2020	1:25 PM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	70,000	Manhole		Rainfall		None Indicated,	No Cleanup Performed,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0201	08/14/2020	9:59 AM	08/14/2020	1:15 PM	501 N 66th St	S002-0070 to S002-0066	S002-0070	29,250	Manhole		Rainfall		None Indicated,	No Cleanup Performed,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0202	08/14/2020	10:32 AM	08/14/2020	3:10 PM	4133 Riverfront Dr	FL01-2030 to FL01-2020	FL01-2030	69,250	Manhole		Rainfall		None Required,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0206	08/21/2020	7:48 AM	08/21/2020	8:30 AM	4228 Howell Ave	FL02-1310 to FL02-1280		42	Main Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0207	08/21/2020	12:10 PM	08/21/2020	2:10 PM	3124 S 62nd St	M007-1160 to M007-1140	M007-1160	2,180	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0209	08/24/2020	8:43 AM	08/24/2020	9:10 AM	6014 Park Ave	S002-0130 to S002-0120		27	Service Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0212	08/25/2020	12:14 PM	08/25/2020	12:55 PM	2700 Emrich St	W001-0800 to W001-0790	W001-0800	400	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0213	08/31/2020	8:45 AM	08/31/2020	11:40 AM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	17,500	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0214	08/31/2020	7:55 AM	08/31/2020	9:14 AM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	2,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0215	08/31/2020	9:45 AM	09/04/2020	8:35 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	1,564,750	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0217	08/31/2020	1:20 PM	09/04/2020	8:20 AM	N 66th St	S001-0015 to S001-0014	S001-0015	546,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River

# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0218	09/01/2020	6:35 AM	09/01/2020	6:50 PM	2002 S 71st St	RL01-1180 to RL01-1120	RL01-1180	7,350	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0219	09/01/2020	8:15 AM	09/02/2020	8:02 AM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	142,700	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0220	09/01/2020	8:05 AM	09/01/2020	3:35 PM	323 N 20th St	P005-2020 to P005-1920	P005-2020	4,500	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0221	09/01/2020	8:25 AM	09/01/2020	6:45 PM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	15,500	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0222	09/01/2020	8:45 AM	09/02/2020	7:55 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	278,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0224	09/01/2020	9:30 AM	09/02/2020	8:10 AM	501 S 66th St	S002-0070 to S002-0066	S002-0070	204,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0225	09/01/2020	9:40 AM	09/01/2020	3:45 PM	528 N 31st St	P008-1295 to P008-1290	P008-1295	3,650	Manhole		Rainfall		,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0226	09/01/2020	11:15 AM	09/01/2020	3:35 PM	501 N 20th St	P005-1860 to P005-1850	P005-1860	13,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0227	09/01/2020	3:50 PM	09/01/2020	6:47 PM	4110 Kinkead Ave	P007-1870 to P007-1750	P007-1870	2,655	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	
20-0228	09/02/2020	9:10 AM	09/02/2020	10:15 AM	8708 Meandering Way	M002-0440 to M002-0430	M002-0440	64	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0229	09/02/2020	3:00 PM	09/02/2020	7:30 PM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	27,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0230	09/02/2020	2:50 PM	09/02/2020	6:14 PM	315 N 41st St	P007-0780 to P007-0770		205	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0231	09/03/2020	9:47 AM	09/03/2020	10:01 AM	2508 Athlone Rd	P009-1460 to P009-1450	P009-1460	14	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0233	09/04/2020	12:08 PM	09/04/2020	12:21 PM	1425 N 34th St	P007-0050 to P007-0010	P007-0050	13	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0236	09/08/2020	2:29 PM	09/08/2020	3:14 PM	1306 Meadow Cir	Z006-1820 to Z006-1810	Z006-1820	460	Manhole		Roots		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable

# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0237	09/10/2020	11:06 AM	09/10/2020	1:15 PM	4903 Midland Blvd	FL02-0330 to FL02-0320		6,450	Service Line		Roots		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0238	09/10/2020	11:06 AM	09/10/2020	1:15 PM	4903 Midland Blvd	FL02-0330 to FL02-0320		6,450	Service Line		Roots		Jet Clean,	No Cleanup Performed,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0239	09/10/2020	2:35 PM	09/11/2020	9:50 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	288,750	Manhole		Rainfall		None Indicated,	No Cleanup Performed,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0241	09/11/2020	11:50 AM	09/11/2020	11:51 AM	3323 N 25th St	W001-0623 to W001-0620		1	Service Line		Other		Jet Clean,	No Cleanup Performed,Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0244	09/24/2020	1:18 PM	09/24/2020	3:00 PM	3818 N O St	S007-3350 to S007-C002	S007-3350	102	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0247	09/29/2020	3:27 PM	09/29/2020	3:50 PM	8 Homestead Ter	FL01-1040 to FL01-1030		230	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0248	10/02/2020	11:15 AM	10/02/2020	1:30 PM	2305 S Zero St	Z001-0290 to Z001-0280	Z001-0290	675	Manhole		Grease		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0249	01/02/2020	2:52 PM	10/04/2020	3:59 PM	3204 S 58th St	M007-1670 to M007-1660	M007-1670	680	Service Line		Grease		Jet Clean,	No Cleanup Performed,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0250	10/06/2020	8:10 AM	10/06/2020	8:46 AM	2805 S 98th Cir	RB01-0180 to 021		36	Service Line		Equipment Fail		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0252	10/10/2020	12:20 PM	10/10/2020	2:40 PM	933 S 68th Ln	S001-0110 to S001-0090		140	Service Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0253	10/11/2020	6:51 PM	10/11/2020	8:00 PM	2511 Dallas St	MC05-2080 to MC05-2070	MC05-2080	138	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0254	10/12/2020	12:35 PM	10/12/2020	1:44 PM	3801 N O St			140	Main Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0255	10/12/2020	12:57 PM	10/12/2020	1:30 PM	3900 Dallas St	P009-2390 to P009-2380		33	Service Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0257	10/14/2020	2:41 PM	10/14/2020	2:51 PM	810 N 44th St	S006-0720 to S006-0710		20	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0258	10/16/2020	7:15 PM	10/16/2020	8:53 PM	2808 Kells Abbey	Z005-0740 to Z005-0730		98	Service Line		Roots	Grease	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0259	10/19/2020	8:53 AM	10/19/2020	10:15 AM	3801 N O St	S007-3350 to S007-C002		164	Main Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0261	10/21/2020	11:02 AM	10/21/2020	1:30 PM	8112 Hermitage Dr	Z006-1290 to Z006-1240		148	Service Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0262	10/23/2020	12:29 PM	10/23/2020	1:20 PM	3805 Midland Blvd	FL02-1100 to FL02-1090		6,690	Main Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River

# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0263	10/23/2020	1:36 PM	10/23/2020	2:10 PM	301 S E St	P011-1090 to P011-1080	P011-1090	34	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0264	10/23/2020	5:33 PM	10/23/2020	6:30 PM	5919 Carthage St	M007-0650 to M007-0640		57	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0266	10/26/2020	2:10 PM	10/26/2020	3:00 PM	700 N 47th St	S006-0908 to S006-0907	S006-0908	1,000	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0267	10/26/2020	5:01 PM	10/26/2020	5:40 PM	1422 N 56th Ter	S002-1640 to S002-1600		195	Service Line		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0268	10/27/2020	9:30 AM	10/27/2020	3:05 PM	2503 Athlone Rd	P009-1286 to P009-1284		335	Service Line		Line Break		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0270	10/28/2020	10:50 AM	10/30/2020	9:20 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	558,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0271	10/28/2020	12:20 PM	10/28/2020	3:14 PM	4121 Riverfront Dr	FL01-2040 to FL01-2030	FL01-2040	17,500	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0272	10/28/2020	12:20 PM	10/29/2020	8:00 AM	3110 Kelley Hwy	P004-2190 to P004-2170	P004-2190	29,500	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0273	10/28/2020	12:05 PM	10/29/2020	8:30 AM	100 Cornell Cir	Z006-1080 to Z006-1070		12,250	Service Line		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0274	10/28/2020	12:30 PM	10/29/2020	8:30 AM	106 Cornell Cir	Z006-1080 to Z006-1070		2,340	Service Line		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0276	10/28/2020	1:50 PM	10/29/2020	9:00 AM	4512 N O St	S007-1130 to S007-1120	S007-1130	57,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0277	10/28/2020	11:00 AM	10/29/2020	8:35 AM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	66,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0278	10/28/2020	1:19 PM	10/28/2020	5:00 PM	9 Rivertyn Ter	RL01-3600 to RL01-3590	RL01-3600	22,100	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0279	10/28/2020	1:20 PM	10/29/2020	8:55 AM	2002 S 71st St	RL01-1130 to RL01-1120	RL01-1130	23,500	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0280	10/28/2020	2:00 PM	10/28/2020	9:05 AM	501 S 66th St	S002-0070 to S002-0066	S002-0070	166,500	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River

# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0281	10/28/2020	1:10 PM	10/29/2020	9:05 AM	N 34th St	P007-0070 to P007-0065	P007-0070	119,500	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0282	10/28/2020	1:10 PM	10/29/2020	9:05 AM	N 34th St	P007-0065 to P007-0060	P007-0065	179,250	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0283	10/28/2020	1:10 PM	10/29/2020	9:05 AM	N 34th St	P007-0060 to P007-0050	P007-0060	179,250	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0284	10/28/2020	3:05 PM	10/29/2020	9:05 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	297,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0285	10/28/2020	2:31 PM	10/28/2020	7:30 PM	4109 Bradley Dr	S008-0760 to S008-0660		1,495	Service Line		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0286	10/28/2020	3:05 PM	10/28/2020	9:50 PM	4105 W Albert Pike	S008-0643 to S008-0640	S008-0643	2,100	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0287	10/28/2020	3:00 PM	10/29/2020	8:50 AM	4123 Spradling Ave	FL02-1260 to FL02-1250	FL02-1260	107,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0288	10/28/2020	3:20 PM	10/28/2020	4:44 PM	2415 S 66th St	M005-1120 to M005-1110		425	Service Line		Debris		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0289	10/28/2020	5:05 PM	10/28/2020	9:45 PM	700 N 47th St	S006-0908 to S006-0907	S006-0908	28,000	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0290	10/28/2020	5:10 PM	10/29/2020	8:20 AM	1535 N 50th St	S007-1060 to S007-1055	S007-1060	22,750	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0291	10/28/2020	4:50 PM	10/29/2020	11:20 AM	1422 N 56th Ter	S002-1640 to S002-1600		11,100	Service Line		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0292	10/28/2020	7:10 PM	10/28/2020	7:30 PM	2909 Jackson St	MC05-2940 to MC05-2930		20	Service Line		Grease		Jet Clean,	No Cleanup Performed,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0293	10/28/2020	10:47 AM	10/28/2020	8:30 AM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	260,600	Manhole		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0294	10/28/2020	6:12 PM	10/28/2020	7:10 PM	6920 Riviera Dr	M005-1030 to M005-1010		870	Service Line		Rainfall		None Indicated,	Scheduled Cleanup,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0296	10/29/2020	12:05 PM	10/29/2020	12:45 PM	4 Amberwood Ct	M007-1540 to M007-1520	M007-1540	40	Manhole		Line Break		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable

# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0297	10/29/2020	2:40 PM	10/29/2020	2:50 PM	700 N 47th St	S006-0908 to S006-0907		50	Service Line		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0298	10/29/2020	2:41 PM	10/29/2020	2:50 PM	616 N 47th St	S006-0908 to S006-0907	S006-0908	225	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0300	10/31/2020	1:56 PM	10/31/2020	2:40 PM	8319 S 35th Ter	Z003-1730 to Z003-1720	Z003-1730	2,200	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0301	10/31/2020	6:02 PM	10/31/2020	7:55 PM	1307 N 35th St	P005-3130 to P005-3120		565	Service Line		Debris		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0307	11/08/2020	3:05 PM	11/08/2020	4:44 PM	10700 Saint Anthony Ct	Z008-2490 to Z008-2480	Z008-2490	100	Manhole		Debris		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0310	11/09/2020	8:48 AM	11/09/2020	9:59 AM	3307 S 41st St	P009-2523 to P009-2520	P009-2523	72	Manhole		Debris		Jet Clean,	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0311	11/09/2020	12:00 PM	11/09/2020	3:20 PM	1820 S Zero St	Z001-0540 to Z001-0530	Z001-0540	400	Manhole		Roots		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0312	11/18/2020	3:40 PM	11/18/2020	4:50 PM	1801 S Zero St	MC06-1900 to MC06-1890	MC06-1900	700	Manhole		Grease	Debris	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0313	11/19/2020	9:00 AM	11/19/2020	12:14 PM	1322 N 8th St	P003-0270 to P003-0260	P003-0260	915	Manhole		Grease	Debris	Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0315	11/20/2020	11:45 AM	11/20/2020	12:59 PM	1400 S M St	MC02-0360 to MC02-0350		375	Main Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0316	11/24/2020	10:44 AM	11/24/2020	11:35 AM	3801 N O St	S007-3350 to S007-C002		50	Service Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0317	11/26/2020	10:15 AM	11/26/2020	10:36 AM	10700 Saint Anthony Ct	Z008-2490 to Z008-2480	Z008-2490	168	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0318	11/26/2020	6:25 PM	11/26/2020	7:30 PM	3110 Spradling Ave	W001-1470 to W001-1460	W001-1470	650	Manhole		Grease		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0319	11/27/2020	10:09 AM	11/27/2020	10:56 AM	1526 Belle Ave	P005-0210 to P005-0200		47	Service Line		Line Break		Repair,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0320	11/28/2020	11:33 AM	11/28/2020	1:30 PM	10700 Saint Anthony Ct	Z008-2490 to Z008-2480		117	Service Line		Line Break		Repair,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0322	12/01/2020	2:05 PM	12/01/2020	3:14 PM	3801 N O St	S007-3350 to S007-C002		70	Main Line		Line Break		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0323	12/02/2020	12:29 PM	12/02/2020	1:01 PM	7215 US Highway 271	CS01-1600 to CS01-1590		640	Service Line		Roots		Jet Clean,	Scheduled Cleanup,Disinfection Performed	Public Land (Ground)	No	No	Yes	No	No	Not Applicable
20-0324	12/04/2020	9:01 AM	12/04/2020	3:10 PM	4901 Midland Blvd	FL02-0330 to FL02-0320		370	Service Line		Line Break		Jet Clean,Repair	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River



# Sewer Overflow Summary Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Cleanup	SSO Impact	OE	OEEI	NEA	EFK	Public Notice	Receiving Water
20-0326	12/05/2020	1:22 PM	12/05/2020	2:15 PM	3301 S 41st St	P009-2523 to P009-2520	P009-2523	159	Manhole		Grease	Debris	Power Rod,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0327	12/05/2020	5:17 PM	12/05/2020	5:53 PM	102 N 51st St	S006-1740 to S006-1730		35	Service Line				Repair,	No Cleanup Performed,No Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0328	12/05/2020	11:05 PM	12/06/2020	11:29 AM	1933 N 12th St	P003-0590 to P003-0580		745	Service Line				Jet Clean,Repair	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0329	12/05/2020	11:05 PM	12/06/2021	11:29 AM	1925 N 12th St	P003-0590 to P003-0580		745	Main Line				Jet Clean,Repair	Scheduled Cleanup,No Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0331	12/07/2020	11:15 AM	12/07/2020	3:06 PM	2201 Carthage St	MC05-1870 to MC05-1860	MC05-1870	2,310	Manhole				Jet Clean,Repair	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0332	12/07/2020	10:35 AM	12/07/2020	11:00 AM	9201 Skypark Dr	SK01-0150 to SK01-0050	SK01-0150	12,500	Manhole				Jet Clean,Repair	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Massard Creek
20-0333	12/07/2020	10:35 AM	12/07/2020	11:00 AM	9201 Skypark Dr	SK01-0150 to SK01-0050		12,500	Service Line				Jet Clean,Repair	Scheduled Cleanup,Disinfection Performed	Basement Backup	No	No	Yes	No	No	Not Applicable
20-0338	12/14/2020	1:40 PM	12/14/2020	3:10 PM	1801 Bramble Brae St	Z005-1170 to Z005-1160	Z005-1170	900	Manhole				Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0339	12/16/2020	12:59 PM	12/16/2020	1:30 PM	9509 Belhaven View	Z005-1060 to Z005-1050		30	Service Line				Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0340	12/18/2020	5:15 PM	12/18/2020	5:25 PM	1325 N 34th St	P005-3080 to P005-3070	P005-3080	10	Manhole				Repair,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0341	12/19/2020	10:16 AM	12/19/2020	12:14 PM	8 Homestead Ter	FL01-1040 to FL01-1030		839	Service Line				Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0342	12/20/2020	10:44 PM	12/22/2020	3:30 PM	4121 Riverfront Dr	FL01-2030 to FL01-2020	FL01-2030	366,900	Manhole				Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0343	12/21/2020	8:45 AM	12/21/2020	11:00 AM	10800 Hunters Point Rd	HP01-0050 to HP01-0020	HP01-0050	135	Manhole				Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0345	12/26/2020	10:20 AM	12/26/2020	11:59 AM	2600 Dallas Cir	MC05-3340 to MC05-3330	MC05-3340	1,980	Manhole				Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	Mill Creek to Poteau River
20-0346	12/28/2020	10:25 AM	12/28/2020	10:50 AM	8901 S 30th St	Z005-0065 to Z005-0055	Z005-0065	125	Manhole				Jet Clean,	Scheduled Cleanup,Disinfection Performed	Private PPTY (Ground)	No	No	Yes	No	No	Not Applicable
20-0347	12/28/2020	11:49 AM	12/28/2020	12:40 PM	202 Amherst Cir	Z006-0360 to Z006-0350	Z006-0360	510	Manhole				Jet Clean,	Scheduled Cleanup,Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River
20-0349	12/30/2020	2:08 PM	12/30/2020	8:25 AM	4121 Riverfront Dr	FL01-2040 to FL01-2030		109,700	Manhole				None Required,	Scheduled Cleanup,No Disinfection Performed	Receiving Water (Riv, Str)	No	No	Yes	No	No	City of Fort Smith to Arkansas River

**235 TOTAL OVERFLOWS**

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**Attachment 5**  
**2018, 2019 and 2020 Reoccurring Sanitary Sewer Overflow**  
**Events and Activities**

## Sewer Overflow Repeat Locations Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
<b>CS01-1600 to CS01-1590</b>																				
20-0323	12/02/2020	12:29 PM	12/02/2020	1:01 PM	7215 US Highway 271 S	CS01-1600 to CS01-1590		640	Service Line		Roots		Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
18-0161	06/25/2018	8:33 AM	06/25/2018	2:17 PM	7415 US Highway 271 S	CS01-1600 to CS01-1590		345	Service Line		Roots		Power Rod	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>FL01-0040 to FL01-0030</b>																				
20-0178	07/26/2020	1:46 PM	07/27/2020	12:00 PM	4133 Riverfront Dr	FL01-0040 to FL01-0030	FL01-0040	33,375	Main Line		Line Break		Repair	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0184	07/30/2020	10:32 AM	07/30/2020	11:45 AM	4133 Riverfront Dr	FL01-0040 to FL01-0030		7,300	Main Line		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>FL01-1040 to FL01-1030</b>																				
20-0247	09/29/2020	3:27 PM	09/29/2020	3:50 PM	8 Homestead Ter	FL01-1040 to FL01-1030		230	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0341	12/19/2020	10:16 AM	12/19/2020	12:14 PM	8 Homestead Ter	FL01-1040 to FL01-1030		839	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>FL01-1170 to FL01-1160</b>																				
19-0277	08/23/2019	2:46 PM	08/23/2019	6:59 PM	4575 Mussett Rd	FL01-1170 to FL01-1160	FL01-1170	6,350	Manhole		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0278	08/23/2019	2:34 PM	08/23/2019	6:59 PM	4524 Mussett Rd	FL01-1170 to FL01-1160		266	Service Line		Grease		Jet Clean	No Cleanup Performed	Basement Backup	No	No	Yes	No	Not Applicable
<b>FL01-1190 to FL01-1170</b>																				
19-0155	05/01/2019	7:36 AM	05/01/2019	3:59 PM	4500 Mussett Rd	FL01-1190 to FL01-1170	FL01-1190	12,600	Manhole		Rainfall		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0241	06/23/2019	7:11 PM	06/24/2019	7:30 AM	Mussett Rd	FL01-1190 to FL01-1170	FL01-1190	11,070	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
19-0275	08/23/2019	7:32 AM	08/23/2019	7:15 PM	4500 Mussett Rd	FL01-1190 to FL01-1170	FL01-1190	35,150	Manhole		Grease		Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>FL01-2030 to FL01-2020</b>																				
18-0215	08/15/2018	12:51 PM	08/15/2018	2:21 PM	Riverfront Dr	FL01-2030 to FL01-2020	FL01-2030	90	Manhole		Rainfall			No Cleanup Performed	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0015	01/11/2020	1:55 AM	01/11/2020	8:20 AM	Riverfront Dr	FL01-2030 to FL01-2020	FL01-2030	38,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0185	07/30/2020	10:32 AM	07/30/2020	3:33 PM	4133 Riverfront Dr	FL01-2030 to FL01-2020	FL01-2030	30,100	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0342	12/20/2020	10:44 PM	12/22/2020	3:30 PM	4121 Riverfront Dr	FL01-2030 to FL01-2020	FL01-2030	366,900	Manhole		Equipment Failure		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0202	08/14/2020	10:32 AM	08/14/2020	3:10 PM	4133 Riverfront Dr	FL01-2030 to FL01-2020	FL01-2030	69,250	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>FL01-2040 to FL01-2030</b>																				
20-0271	10/28/2020	12:20 PM	10/28/2020	3:14 PM	4121 Riverfront Dr	FL01-2040 to FL01-2030	FL01-2040	17,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0349	12/30/2020	2:08 PM	12/30/2020	8:25 AM	4121 Riverfront Dr	FL01-2040 to FL01-2030		109,700	Manhole				None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>FL02-1100 to FL02-1090</b>																				
20-0262	10/23/2020	12:29 PM	10/23/2020	1:20 PM	3805 Midland Blvd	FL02-1100 to FL02-1090		6,690	Main Line		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
18-0276	10/04/2018	10:07 AM	10/04/2018	12:40 PM	3805 Midland Blvd	FL02-1100 to FL02-1090		765	Main Line		Line Break		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>M002-0180 to M002-0170</b>																				
19-0338	10/25/2019	8:45 AM	10/28/2019	7:21 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	1,059,000	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
19-0358	11/07/2019	2:45 PM	11/08/2019	8:30 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	276,375	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
19-0366	11/22/2019	9:10 AM	11/24/2019	12:43 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	851,950	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
20-0017	01/11/2020	10:30 AM	01/13/2020	7:30 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	742,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
20-0083	03/18/2020	8:16 AM	03/21/2020	9:45 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	1,212,475	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
20-0109	03/31/2020	11:05 AM	04/01/2020	8:17 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	254,600	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
20-0136	05/16/2020	10:44 PM	05/18/2020	2:29 PM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	357,750	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
20-0239	09/10/2020	2:35 PM	09/11/2020	9:50 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	288,750	Manhole		Rainfall		None Indicated	No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
19-0184	05/18/2019	7:40 PM	05/19/2019	11:04 PM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	1,644,000	Manhole		Power Failure		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	No	No	Upper Little Vache
20-0046	02/12/2020	10:18 AM	02/14/2020	2:58 PM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	869,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
20-0215	08/31/2020	9:45 AM	09/04/2020	8:35 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	1,564,750	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
20-0270	10/28/2020	10:50 AM	10/30/2020	9:20 AM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	558,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
20-0149	05/25/2020	11:48 PM	05/27/2020	6:59 PM	9422 Rogers Ave	M002-0180 to M002-0170	M002-0180	518,400	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
<b>M004-1035 to M004-1030</b>																				
18-0363	12/17/2018	2:17 PM	12/17/2018	2:50 PM	3108 S 80th St	M004-1035 to M004-1030	M004-1035	330	Manhole		Grease		Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
19-0148	04/26/2019	7:34 AM	04/26/2019	8:20 AM	3108 S 80th St	M004-1035 to M004-1030	M004-1035	230	Manhole		Debris		Jet Clean	Immediate Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
20-0070	03/05/2020	5:14 PM	03/05/2020	6:14 PM	3108 S 80th St	M004-1035 to M004-1030	M004-1035	305	Manhole		Grease	Debris	Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>M006-1230 to M006-1220</b>																				
18-0328	11/19/2018	1:25 PM	11/19/2018	2:15 PM	3700 Cliff Dr	M006-1230 to M006-1220		100	Service Line		Debris		Removed Debris	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0075	03/08/2019	9:29 AM	03/08/2019	10:40 AM	3700 Cliff Dr	M006-1230 to M006-1220		142	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable

## Sewer Overflow Repeat Locations Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
<b>M007-0070 to M007-0060</b>																				
20-0030	01/25/2020	6:46 PM	01/25/2020	7:32 PM	6505 Fresno St	M007-0070 to M007-0060	M007-0070	1,352	Manhole		Grease		Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	
20-0034	01/30/2020	8:00 AM	01/30/2020	8:45 AM	6505 Fresno St	M007-0070 to M007-0060	M007-0070	225	Manhole		Debris		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Massard Creek
<b>M007-0650 to M007-0640</b>																				
18-0244	09/02/2018	2:42 PM	09/02/2018	3:40 PM	5919 Carthage St	M007-0650 to M007-0640		58	Main Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0264	10/23/2020	5:33 PM	10/23/2020	6:30 PM	5919 Carthage St	M007-0650 to M007-0640		57	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>M007-1160 to M007-1140</b>																				
20-0183	07/29/2020	1:47 PM	07/29/2020	3:59 PM	3124 S 66th St	M007-1160 to M007-1140	M007-1160	1,330	Manhole		Grease	Debris	Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0207	08/21/2020	12:10 PM	08/21/2020	2:10 PM	3124 S 62nd St	M007-1160 to M007-1140	M007-1160	2,180	Manhole		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>M007-1670 to M007-1660</b>																				
18-0375	12/27/2018	1:23 AM	12/27/2018	3:20 AM	3204 S 58th St	M007-1670 to M007-1660		117	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0055	02/19/2020	8:14 AM	02/19/2020	11:15 AM	3204 S 58th St	M007-1670 to M007-1660		181	Service Line		Grease		Power Rod	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>MC02-0620 to MC02-1370</b>																				
19-0099	03/26/2019	10:40 AM	03/26/2019	11:29 AM	1215 S O St	MC02-0620 to MC02-1370	MC02-0620	250	Manhole		Grease	Debris	Power Rod	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0236	06/18/2019	12:04 PM	06/18/2019	12:35 PM	1500 S 12th St	MC02-0620 to MC02-1370	MC02-0620	310	Manhole		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0259	07/27/2019	12:35 PM	07/23/2019	1:55 PM	1215 S O St	MC02-0620 to MC02-1370	MC02-0620	400	Manhole		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
18-0005	01/04/2018	8:31 AM	01/04/2018	11:29 AM	1215 S O St	MC02-0620 to MC02-1370	MC02-0620	895	Manhole		Roots	Grease	Power Rod	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
<b>MC05-2080 to MC05-2070</b>																				
18-0196	08/10/2018	2:13 PM	08/10/2018	3:35 PM	2511 Dallas St	MC05-2080 to MC05-2070	MC05-2080	246	Manhole		Roots		Power Rod	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
20-0253	10/11/2020	6:51 PM	10/11/2020	8:00 PM	2511 Dallas St	MC05-2080 to MC05-2070	MC05-2080	138	Manhole		Debris		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
<b>MC05-2240 to MC05-2210</b>																				
18-0117	04/23/2018	7:34 PM	04/23/2018	10:10 PM	2408 Houston St	MC05-2240 to MC05-2210	MC05-2240	780	Manhole		Roots		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
18-0119	04/24/2018	12:10 PM	04/24/2018	3:10 PM	2408 Houston St	MC05-2240 to MC05-2210	MC05-2240	900	Manhole		Roots		Power Rod	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>MC05-2700 to MC05-2690</b>																				
19-0065	02/20/2019	1:47 PM	02/20/2019	3:47 PM	2914 Houston St	MC05-2700 to MC05-2690		120	Service Line		Debris		Repair	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0323	10/11/2019	2:44 PM	10/11/2019	3:10 PM	2914 Houston St	MC05-2700 to MC05-2690		26	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>MC05-2890 to MC05-2880</b>																				
19-0105	03/29/2019	6:00 PM	03/29/2019	7:50 PM	2616 Ionia St	MC05-2890 to MC05-2880	MC05-2890	110	Manhole		Roots	Grease	Power Rod	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0179	05/17/2019	10:39 AM	05/17/2019	1:44 PM	2616 Ionia St	MC05-2890 to MC05-2880	MC05-2890	930	Manhole		Debris		Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>MC05-3120 to MC05-3110</b>																				
20-0042	02/10/2020	1:15 PM	02/10/2020	2:00 PM	3701 S 32nd Cir	MC05-3120 to MC05-3110		45	Service Line		Other		None Indicated	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0039	02/09/2020	2:55 PM	02/09/2020	5:50 PM	3200 Independence St	MC05-3120 to MC05-3110		175	Service Line		Roots	Grease	Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>MC05-3340 to MC05-3330</b>																				
20-0094	03/21/2020	3:50 PM	03/21/2020	5:00 PM	2506 Dallas Cir	MC05-3340 to MC05-3330	MC05-3340	700	Manhole		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
20-0095	03/23/2020	2:34 PM	03/23/2020	3:05 PM	2506 Dallas Cir	MC05-3340 to MC05-3330	MC05-3340	310	Manhole		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0345	12/26/2020	10:20 AM	12/26/2020	11:59 AM	2600 Dallas Cir	MC05-3340 to MC05-3330	MC05-3340	1,980	Manhole		Debris		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
<b>MC06-0100 to MC06-0090</b>																				
20-0159	06/15/2020	10:30 AM	06/15/2020	11:20 AM	3905 Towson Ave	MC06-0100 to MC06-0090		50	Service Line		Grease		Jet Clean	Immediate Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0161	06/19/2020	9:04 AM	06/19/2020	10:20 AM	3905 Towson Ave	MC06-0100 to MC06-0090		152	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>MC06-0120 to MC06-0100</b>																				
19-0258	07/22/2019	10:27 AM	07/22/2019	11:00 AM	3905 Towson Ave	MC06-0120 to MC06-0100		66	Service Line		Grease		Jet Clean	Immediate Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0302	09/12/2019	3:16 PM	09/12/2019	3:55 PM	3905 Towson Ave	MC06-0120 to MC06-0100		117	Service Line		Grease	Debris	Jet Clean	Immediate Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0314	09/27/2019	2:21 PM	09/27/2019	3:00 PM	3905 Towson Ave	MC06-0120 to MC06-0100		195	Service Line		Debris		Power Rod	Immediate Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0212	06/03/2019	2:32 PM	06/03/2019	3:41 PM	3905 Towson Ave	MC06-0120 to MC06-0100		136	Service Line		Rainfall		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>MC07-1520 to MC07-1500</b>																				
18-0285	10/12/2018	12:42 PM	10/12/2018	3:59 PM	3900 S 33rd St	MC07-1520 to MC07-1500		198	Service Line		Roots	Line Break	Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
18-0332	11/21/2018	10:07 AM	11/21/2018	10:17 AM	3900 S 33rd St	MC07-1520 to MC07-1500		10	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable

## Sewer Overflow Repeat Locations Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
<b>P004-0620 to P004-0610</b>																				
19-0188	05/19/2019	9:21 AM	05/19/2019	11:00 AM	2223 N 31st St	P004-0620 to P004-0610	P004-0620	99	Manhole		Debris		Power Rod	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
19-0228	06/07/2019	7:02 AM	06/07/2019	8:00 AM	2223 N 31st St	P004-0620 to P004-0610	P004-0620	290	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P005-0210 to P005-0200</b>																				
19-0125	04/14/2019	3:30 PM	04/15/2019	8:00 AM	1537 N Greenwood Ave	P005-0210 to P005-0200		1,980	Service Line		Rainfall		None Required	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0207	05/30/2019	2:05 PM	05/30/2019	4:15 PM	1537 N Greenwood Ave	P005-0210 to P005-0200		1,300	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0319	11/27/2020	10:09 AM	11/27/2020	10:56 AM	1526 Belle Ave	P005-0210 to P005-0200		47	Service Line		Line Break		Repair	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P005-1370 to P005-1360</b>																				
19-0168	05/07/2019	8:37 PM	05/07/2019	9:25 PM	2100 N L St	P005-1370 to P005-1360		48	Service Line		Roots	Debris	Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	City of Fort Smith t
19-0172	05/09/2019	9:00 AM	05/09/2019	11:14 AM	2100 N L St	P005-1370 to P005-1360		268	Main Line		Line Break		Repair	No Cleanup Performed	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>P005-1690 to P005-1680</b>																				
20-0084	03/18/2020	9:35 AM	03/18/2020	10:05 AM	622 N 19th St	P005-1690 to P005-1680		300	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0102	03/26/2020	2:55 PM	03/26/2020	3:20 PM	622 N 19th St	P005-1690 to P005-1680		125	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P005-1860 to P005-1850</b>																				
20-0195	08/13/2020	8:07 AM	08/13/2020	8:25 AM	420 N 20th St	P005-1860 to P005-1850	P005-1860	18	Manhole		Rainfall		None Required	No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0226	09/01/2020	11:15 AM	09/01/2020	3:35 PM	501 N 20th St	P005-1860 to P005-1850	P005-1860	13,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>P005-1920 to P005-1860</b>																				
18-0205	08/15/2018	11:58 AM	08/15/2018	4:25 PM	420 N 20th St	P005-1920 to P005-1860	P005-1920	13,350	Manhole		Rainfall			No Cleanup Performed	Public Land (Ground)	No	No	Yes	No	Not Applicable
20-0196	08/13/2020	8:07 AM	08/13/2020	8:25 AM	322 N 20th St	P005-1920 to P005-1860	P005-1920	18	Manhole		Rainfall		None Required	No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>P005-3030 to P005-3020</b>																				
18-0212	08/15/2018	9:28 AM	08/15/2018	3:40 PM	1415 N 32nd St	P005-3020 to P005-3010	P005-3020	37,200	Manhole		Rainfall			No Cleanup Performed	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0004	01/03/2019	7:03 PM	01/04/2019	12:59 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	26,925	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0055	02/11/2019	11:57 AM	02/12/2019	7:35 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	323,950	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0063	02/19/2019	7:55 PM	02/20/2019	9:14 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	220,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0124	04/13/2019	5:00 PM	04/15/2019	7:05 AM	1420 N 32nd St	P005-3030 to P005-3020	P005-3030	457,000	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0146	04/25/2019	8:40 AM	04/25/2019	3:59 PM	1415 N 32nd St	P005-3030 to P005-3020		22,000	Manhole		Rainfall		None Required	No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0152	05/01/2019	7:38 AM	05/01/2019	9:14 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	183,825	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0160	05/02/2019	2:50 AM	05/02/2019	7:44 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	50,750	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0170	05/08/2019	12:45 PM	05/09/2019	6:55 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	37,000	Manhole		Rainfall		None Indicated	No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0175	05/11/2019	3:54 PM	05/12/2019	7:50 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	10,610	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0271	08/23/2019	2:20 AM	08/23/2019	1:40 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	136,000	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0334	10/24/2019	2:35 PM	10/25/2019	7:45 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	231,750	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0346	10/30/2019	8:45 AM	10/31/2019	6:55 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	66,500	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0352	11/07/2019	9:26 AM	11/07/2019	7:15 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	147,250	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0044	02/12/2020	9:00 AM	02/12/2020	3:30 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3020	19,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0091	03/19/2020	9:31 AM	03/19/2020	1:25 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	5,850	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0138	05/17/2020	1:11 AM	05/17/2020	11:44 AM	3200 N M St	P005-3030 to P005-3020	P005-3020	9,495	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0145	05/25/2020	9:41 PM	05/26/2020	11:51 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	127,500	Manhole		Rainfall		None Indicated	No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0197	08/14/2020	7:00 AM	08/14/2020	12:59 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	54,000	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0222	09/01/2020	8:45 AM	09/02/2020	7:55 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	278,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0284	10/28/2020	3:05 PM	10/29/2020	9:05 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	297,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0339	10/26/2019	4:52 PM	10/27/2019	10:15 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	234,675	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
18-0217	08/15/2018	9:30 AM	08/15/2018	10:40 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	79,000	Manhole		Rainfall			No Cleanup Performed	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0165	05/03/2019	9:06 PM	05/04/2019	12:12 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	226,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0279	08/24/2019	9:28 AM	08/24/2019	9:55 PM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	149,400	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0321	10/10/2019	8:25 PM	10/11/2019	9:59 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	128,250	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0013	01/11/2020	1:25 AM	01/12/2020	8:05 AM	1415 N 32nd St	P005-3030 to P005-3020	P005-3030	368,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>P007-0060 to P007-0050</b>																				
20-0233	09/04/2020	12:08 PM	09/04/2020	12:21 PM	1425 N 34th St	P007-0050 to P007-0010	P007-0050	13	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
18-0223	08/15/2018	12:13 PM	08/15/2018	2:40 PM	N 34th St	P007-0060 to P007-0050	P007-0050	14,700	Manhole		Rainfall			No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0014	01/11/2020	11:35 AM	01/11/2020	11:40 AM	1425 N 34th St	P007-0060 to P007-0050	P007-0060	60,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Reported
20-0283	10/28/2020	1:10 PM	10/29/2020	9:05 AM	N 34th St	P007-0060 to P007-0050	P007-0060	179,250	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t

## Sewer Overflow Repeat Locations Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
<b>P007-0065 to P007-0060</b>																				
18-0222	08/15/2018	12:13 PM	08/15/2018	2:40 PM	N 34th St	P007-0065 to P007-0060	P007-0065	3,675	Manhole		Rainfall			No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0282	10/28/2020	1:10 PM	10/29/2020	9:05 AM	N 34th St	P007-0065 to P007-0060	P007-0065	179,250	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>P007-0955 to P007-0930</b>																				
19-0379	12/04/2019	12:59 PM	12/04/2019	2:25 PM	3915 Free Ferry Rd	P007-0955 to P007-0930	P007-0955	430	Manhole		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0088	03/19/2019	10:05 AM	03/19/2019	12:05 PM	101 N Albert Pike Ave	P007-0955 to P007-0930	P007-0955	1,200	Manhole		Roots	Grease	Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P007-0960 to P007-0955</b>																				
19-0073	03/03/2019	3:00 PM	03/03/2019	9:45 PM	4015 Free Ferry Rd	P007-0960 to P007-0960	P007-0960	810	Manhole		Roots	Grease	Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0154	08/06/2020	2:15 PM	06/06/2020	4:20 PM	3915 Free Ferry Rd	P007-0960 to P007-0955	P007-0960	3,125	Manhole		Grease	Debris	Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0158	06/14/2020	2:35 PM	06/14/2020	4:40 PM	3915 Free Ferry Rd	P007-0960 to P007-0955	P007-0960	3,125	Manhole		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P007-1180 to P007-1170</b>																				
19-0173	05/09/2019	4:05 PM	05/09/2019	4:40 PM	3804 Free Ferry Rd	P007-1180 to P007-1170	P007-1180	70	Manhole		Debris		None Indicated	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0087	03/18/2020	3:36 PM	03/18/2020	3:59 PM	3804 Free Ferry Rd	P007-1180 to P007-1170	P007-1180	360	Manhole		Debris		None Indicated	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P007-1190 to P007-1180</b>																				
19-0068	02/26/2019	3:02 PM	02/26/2019	4:50 PM	3751 Rogers Ave	P007-1190 to P007-1180	P007-1190	1,800	Manhole		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0244	06/25/2019	11:10 AM	06/25/2019	11:45 AM	3731 Rogers Ave	P007-1190 to P007-1180	P007-1190	350	Manhole		Grease		None Indicated	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P007-2030 to P007-2020</b>																				
18-0007	01/05/2018	10:48 AM	01/05/2018	1:40 PM	4215 Park Ave	P007-2030 to P007-2020	P007-2030	2,580	Manhole		Roots		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
18-0044	02/09/2018	1:11 PM	02/09/2018	3:25 PM	4221 Park Ave	P007-2030 to P007-2020	P007-2030	13,400	Manhole		Roots		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P007-2240 to P007-2230</b>																				
19-0071	02/28/2019	3:02 PM	02/28/2019	5:00 PM	4301 Free Ferry Rd	P007-2240 to P007-2230		90	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0268	08/07/2019	7:31 PM	08/08/2019	9:59 AM	4301 Free Ferry Rd	P007-2240 to P007-2230		869	Service Line		Other		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P008-1760 to P008-1750</b>																				
20-0166	07/04/2020	8:00 AM	07/04/2020	8:00 PM	445 N 36th St	P008-1760 to P008-1750	P008-1760	3,600	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0169	07/07/2020	7:30 AM	07/07/2020	9:20 AM	445 N 36th St	P008-1760 to P008-1750	P008-1760	220	Manhole		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P008-2370 to P008-2366</b>																				
18-0315	11/06/2018	8:20 AM	11/06/2018	8:31 AM	2814 Reeder St	P008-2370 to P008-2366		11	Service Line		Debris		Jet Clean	No Cleanup Performed	Basement Backup	No	No	Yes	No	Not Applicable
18-0314	11/05/2018	2:45 PM	11/05/2018	6:10 PM	2814 Reeder St	P008-2370 to P008-2366		205	Service Line		Roots		Jet Clean	No Cleanup Performed	Basement Backup	No	No	Yes	No	Not Applicable
<b>P009-0165 to P009-0160</b>																				
19-0003	01/03/2019	10:20 PM	01/03/2019	10:30 PM	Old Greenwood Rd	P009-0165 to P009-0160	P009-0165	73,000	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0272	08/23/2019	2:41 AM	08/23/2019	4:18 AM	Old Greenwood Rd	P009-0165 to P009-0160	P009-0165	14,550	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>P009-0200 to P009-0165</b>																				
18-0376	12/27/2018	8:13 AM	12/27/2018	5:29 PM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	13,925	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0153	05/01/2019	7:50 AM	05/01/2019	3:59 PM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	98,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0280	08/24/2019	9:30 AM	08/24/2019	9:59 PM	Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	37,500	Manhole		Rainfall		None Required	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	City of Fort Smith t
19-0333	10/24/2019	2:24 PM	10/25/2019	7:45 AM	Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	260,250	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0340	10/26/2019	3:45 PM	10/27/2019	10:30 AM	Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	28,125	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0355	11/07/2019	10:29 AM	11/07/2019	3:00 PM	Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	67,750	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0009	01/10/2020	8:29 PM	01/11/2020	8:40 PM	Old Greenwood Rd	P009-0200 to P009-0165		326,250	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0045	02/12/2020	9:40 AM	02/12/2020	2:00 PM	Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	5,200	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0213	08/31/2020	8:45 AM	08/31/2020	11:40 AM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	17,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0219	09/01/2020	8:15 AM	09/02/2020	8:02 AM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	142,700	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
20-0229	09/02/2020	3:00 PM	09/02/2020	7:30 PM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	27,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
19-0159	05/02/2019	2:35 AM	05/02/2019	11:25 AM	Old Greenwood Rd	P009-0200 to P009-0165		26,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0199	08/14/2020	8:45 AM	08/14/2020	1:25 PM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	70,000	Manhole		Rainfall		None Indicated	No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0293	10/28/2020	10:47 AM	10/28/2020	8:30 AM	1801 Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	260,600	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0146	05/25/2020	10:11 PM	05/26/2020	12:14 PM	Old Greenwood Rd	P009-0200 to P009-0165	P009-0200	168,800	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>P009-2480 to P009-2430</b>																				



## Sewer Overflow Repeat Locations Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
19-0031	01/20/2019	4:35 PM	01/20/2019	6:14 PM	4101 Dallas St	P009-2480 to P009-2430	P009-2480	525	Manhole		Debris		Power Rod	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
20-0022	01/13/2020	3:45 PM	01/13/2020	3:46 PM	4101 Dallas St	P009-2480 to P009-2430	P009-2480	1	Manhole		Grease	Debris	Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>P009-2523 to P009-2520</b>																				
20-0326	12/05/2020	1:22 PM	12/05/2020	2:15 PM	3301 S 41st St	P009-2523 to P009-2520	P009-2523	159	Manhole		Grease	Debris	Power Rod	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0310	11/09/2020	8:48 AM	11/09/2020	9:59 AM	3307 S 41st St	P009-2523 to P009-2520	P009-2523	72	Manhole		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P009-2610 to P009-2580</b>																				
18-0357	12/15/2018	9:51 AM	12/15/2018	11:00 AM	3916 Fresno St	P009-2610 to P009-2580		345	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
18-0233	08/16/2018	12:13 PM	08/16/2018	2:05 PM	3916 Fresno St	P009-2610 to P009-2580		560	Service Line		Roots		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>P011-1760 to P011-1750</b>																				
19-0195	05/22/2019	12:00 PM	05/22/2019	2:05 PM	612 N 12th St	P011-1760 to P011-1750		1,250	Main Line		Grease	Line Break	Jet Clean	Immediate Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0253	07/11/2019	9:59 AM	07/11/2019	1:20 PM	612 S 12th St	P011-1760 to P011-1750		110	Main Line		Line Break		Repair	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potra
<b>RB01-0020</b>																				
18-0229	08/15/2018	11:15 AM	08/15/2018	11:53 AM	2901 S 98th Cir	RB01-0020 to 021	RB01-0020	3,800	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0376	12/01/2019	11:45 AM	12/02/2019	9:30 AM	2901 S 98th Cir		RB01-0020	12,600	Lift Station		Equipment Failure		None Required	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>S001-0015 to S001-0014</b>																				
20-0018	01/11/2020	12:00 PM	01/13/2020	3:59 PM	S 66th St	S001-0015 to S001-0014	S001-0015	330,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Upper Little Vache
20-0049	02/12/2020	12:40 PM	02/13/2020	10:30 AM	S 66th St	S001-0015 to S001-0014	S001-0015	118,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0085	03/18/2020	10:35 AM	03/21/2020	9:20 AM	Kinkead Ave	S001-0015 to S001-0014	S001-0015	1,167,375	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0217	08/31/2020	1:20 PM	09/04/2020	8:20 AM	N 66th St	S001-0015 to S001-0014	S001-0015	546,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0353	11/07/2019	9:57 AM	11/08/2019	9:00 AM	Kinkead Ave	S001-0015 to S001-0014	S001-0015	380,325	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0108	03/31/2020	10:20 AM	04/01/2020	8:00 AM	N 66th St	S001-0015 to S001-0014	S001-0015	260,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>S002-0070 to S002-0066</b>																				
19-0335	10/24/2019	3:45 PM	10/25/2019	7:55 AM	501 S 66th St	S002-0070 to S002-0066	S002-0070	194,000	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0012	01/11/2020	1:00 AM	01/11/2020	1:10 AM	501 S 66th St	S002-0070 to S002-0066	S002-0070	75,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0050	02/12/2020	1:04 PM	02/12/2020	3:00 PM	501 S 66th St	S002-0070 to S002-0066	S002-0070	1,160	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0201	08/14/2020	9:59 AM	08/14/2020	1:15 PM	501 N 66th St	S002-0070 to S002-0066	S002-0070	29,250	Manhole		Rainfall		None Indicated	No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0280	10/28/2020	2:00 PM	10/28/2020	9:05 AM	501 S 66th St	S002-0070 to S002-0066	S002-0070	166,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0282	08/24/2019	9:59 AM	08/24/2019	11:19 PM	501 S 66th St	S002-0070 to S002-0066	S002-0070	80,000	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0224	09/01/2020	9:30 AM	09/02/2020	8:10 AM	501 S 66th St	S002-0070 to S002-0066	S002-0070	204,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>S002-0080 to S002-0070</b>																				
19-0354	11/07/2019	10:02 AM	11/07/2019	7:44 PM	501 N 66th St	S002-0080 to S002-0070	S002-0080	145,750	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0090	03/19/2020	9:19 AM	03/19/2020	1:20 PM	501 N 66th St	S002-0080 to S002-0070	S002-0080	12,050	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>S002-0850 to S002-0840</b>																				
19-0245	06/29/2019	6:51 PM	06/29/2019	7:50 PM	6003 Chippewa Trl	S002-0850 to S002-0840	S002-0850	610	Manhole		Roots	Grease	Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
19-0260	07/31/2019	10:25 AM	07/31/2019	10:44 AM	6003 Chippewa Trl	S002-0850 to S002-0840	S002-0850	200	Manhole		Roots	Grease	Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>S002-1640 to S002-1600</b>																				
20-0267	10/26/2020	5:01 PM	10/26/2020	5:40 PM	1422 N 56th Ter	S002-1640 to S002-1600		195	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0291	10/28/2020	4:50 PM	10/29/2020	11:20 AM	1422 N 56th Ter	S002-1640 to S002-1600		11,100	Service Line		Rainfall		None Indicated	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>S004-0570 to S004-0530</b>																				
19-0180	05/18/2019	8:35 AM	05/18/2019	10:30 AM	5300 Yantis St	S004-0570 to S004-0530	S004-0570	230	Manhole		Grease		Power Rod	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0193	05/22/2019	9:19 AM	05/22/2019	9:50 AM	5300 Yantis St	S004-0570 to S004-0530	S004-0570	250	Manhole		Grease		Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>S004-1140 to S004-1130</b>																				
18-0056	02/21/2018	5:46 AM	02/21/2018	8:37 AM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	4,275	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
18-0210	08/15/2018	9:50 AM	08/15/2018	9:50 PM	S 56th St	S004-1140 to S004-1130	S004-1140	36,000	Manhole		Rainfall			No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0123	04/13/2019	5:31 PM	04/14/2019	9:59 AM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	49,450	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0213	06/03/2019	2:19 PM	06/03/2019	3:25 PM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	660	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0281	08/24/2019	9:40 AM	08/24/2019	11:17 PM	Rogers Ave	S004-1140 to S004-1130	S004-1140	81,800	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0337	10/24/2019	4:40 PM	10/25/2019	8:00 AM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	138,000	Manhole		Rainfall		None Required	No Cleanup Performed	Public Land (Ground)	No	No	Yes	No	Not Applicable
20-0194	08/13/2020	7:58 AM	08/13/2020	8:15 AM	5500 Rogers Ave	S004-1140 to S004-1130	S004-1140	850	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t

## Sewer Overflow Repeat Locations Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
20-0198	08/14/2020	6:55 AM	08/14/2020	10:44 AM	5500 Rogers Ave	S004-1140 to S004-1130	S004-1140	23,000	Manhole		Rainfall		None Required	No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0214	08/31/2020	7:55 AM	08/31/2020	9:14 AM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	2,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0277	10/28/2020	11:00 AM	10/29/2020	8:35 AM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	66,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0273	08/23/2019	2:49 AM	08/23/2019	7:30 AM	S 56th St	S004-1140 to S004-1130	S004-1140	63,225	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0221	09/01/2020	8:25 AM	09/01/2020	6:45 PM	5600 Rogers Ave	S004-1140 to S004-1130	S004-1140	15,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
18-0381	12/27/2018	7:45 AM	12/27/2018	9:59 AM	S 56th St	S004-1140 to S004-1130	S004-1140	1,350	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0010	01/10/2020	10:59 PM	01/11/2020	12:59 PM	S 56th St	S004-1140 to S004-1130	S004-1140	21,025	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>S005-0620 to S005-0610</b>																				
19-0162	05/02/2019	6:18 PM	05/02/2019	7:15 PM	5221 Johnson St	S005-0620 to S005-0610	S005-0620	855	Manhole		Roots	Grease	Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
19-0163	05/03/2019	2:35 PM	05/03/2019	3:35 PM	5200 Johnson St	S005-0620 to S005-0610	S005-0620	1,500	Manhole		Debris		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>S005-1060 to S005-1050</b>																				
18-0385	12/19/2018	5:16 PM	12/19/2018	7:10 PM	2123 N 57th Ln	S005-1060 to S005-1050		114	Service Line				Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0121	04/14/2019	9:14 AM	04/14/2019	11:00 AM	2123 N 57th Ln	S005-1060 to S005-1050		106	Service Line		Debris		Power Rod	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>S006-0720 to S006-0710</b>																				
19-0134	04/18/2019	3:10 PM	04/18/2019	8:40 PM	810 N 44th St	S006-0720 to S006-0710		330	Service Line		Roots	Grease	Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0003	01/07/2020	8:50 AM	01/07/2020	9:26 AM	810 N 44th St	S006-0720 to S006-0710		36	Service Line		Line Break		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0257	10/14/2020	2:41 PM	10/14/2020	2:51 PM	810 N 44th St	S006-0720 to S006-0710		20	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>S006-0908 to S006-0907</b>																				
20-0072	03/06/2020	7:50 AM	03/06/2020	8:30 AM	700 N 47th St	S006-0908 to S006-0907	S006-0908	200	Manhole		Grease	Debris	Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0266	10/26/2020	2:10 PM	10/26/2020	3:00 PM	700 N 47th St	S006-0908 to S006-0907	S006-0908	1,000	Manhole		Debris		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0289	10/28/2020	5:05 PM	10/28/2020	9:45 PM	700 N 47th St	S006-0908 to S006-0907	S006-0908	28,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0298	10/29/2020	2:41 PM	10/29/2020	2:50 PM	616 N 47th St	S006-0908 to S006-0907	S006-0908	225	Manhole		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>S007-0580 to S007-0570</b>																				
20-0177	07/25/2020	3:59 PM	07/25/2020	5:50 PM	1904 Churchill Rd	S007-0580 to S007-0570		110	Service Line		Line Break		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0187	08/02/2020	4:44 PM	08/02/2020	5:29 PM	1904 Churchill Rd	S007-0580 to S007-0570		46	Service Line		Line Break		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>S007-0740 to S007-0730</b>																				
19-0389	12/13/2019	7:28 AM	12/13/2019	9:59 AM	3704 Morris Dr	S007-0740 to S007-0730		1,570	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
18-0178	07/23/2018	3:46 PM	07/23/2018	4:44 PM	3708 Morris Dr	S007-0740 to S007-0730		59	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>S007-1130 to S007-1120</b>																				
18-0206	08/15/2018	12:35 PM	08/15/2018	3:36 PM	4512 N O St	S007-1130 to S007-1120	S007-1130	9,050	Manhole		Rainfall			No Cleanup Performed	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0276	10/28/2020	1:50 PM	10/29/2020	9:00 AM	4512 N O St	S007-1130 to S007-1120	S007-1130	57,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
<b>S007-1490 to S007-1440</b>																				
19-0243	06/24/2019	7:30 AM	06/24/2019	8:35 AM	1410 N 49th St	S007-1490 to S007-1440	S007-1490	650	Manhole		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0079	03/15/2020	3:23 PM	03/15/2020	4:15 PM	N 49th St	S007-1490 to S007-1440	S007-1490	260	Manhole		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>S007-3350 to S007-C002</b>																				
20-0152	05/29/2020	8:00 AM	05/29/2020	1:20 PM	3900 N O St	S007-3350 to S007-C002	S007-3350	640	Manhole		Grease	Debris	Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0244	09/24/2020	1:18 PM	09/24/2020	3:00 PM	3818 N O St	S007-3350 to S007-C002	S007-3350	102	Manhole		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	City of Fort Smith t
20-0259	10/19/2020	8:53 AM	10/19/2020	10:15 AM	3801 N O St	S007-3350 to S007-C002		164	Main Line		Line Break		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0322	12/01/2020	2:05 PM	12/01/2020	3:14 PM	3801 N O St	S007-3350 to S007-C002		70	Main Line		Line Break		Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>S008-2060 to S008-2050</b>																				
18-0085	03/14/2018	9:57 AM	03/14/2018	10:27 AM	3415 Birnie Ave	S008-2060 to S008-2050		150	Service Line		Grease		Power Rod	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
18-0385	12/28/2018	12:30 PM	12/28/2018	2:00 PM	3415 Birnie Ave	S008-2060 to S008-2050		90	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>Z001-0460 to Z001-0770</b>																				
19-0009	01/04/2019	3:59 PM	01/05/2019	12:20 PM	5800 Boys Club Ln	Z001-0460 to Z001-0770		122,000	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0222	06/05/2019	5:42 PM	05/07/2019	9:59 AM	5800 Boys Club Ln	Z001-0460 to Z001-0770	Z001-0460	604,500	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0287	08/24/2019	3:05 PM	08/24/2019	10:11 PM	5800 Boys Club Ln	Z001-0460 to Z001-0770	Z001-0770	10,675	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
18-0220	08/15/2018	10:43 AM	08/16/2018	9:14 AM	5800 Boys Club Ln	Z001-0460 to Z001-0770	Z001-0460	135,200	Manhole		Rainfall			No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
18-0358	12/15/2018	10:59 AM	12/16/2018	9:59 AM	6015 Boys Club Ln	Z001-0460 to Z001-0770	Z001-0460	137,900	Manhole		Rainfall	Other	None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea

## Sewer Overflow Repeat Locations Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
<b>Z001-0470 to Z001-0460</b>																				
20-0140	05/17/2020	1:50 PM	05/17/2020	9:37 PM	5800 Boys Club Ln	Z001-0470 to Z001-0460	Z001-0470	2,335	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0010	01/04/2019	4:05 PM	01/05/2019	12:20 PM	5800 Boys Club Ln	Z001-0470 to Z001-0460	Z001-0470	303,750	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
<b>Z001-0754 to Z001-0752</b>																				
18-0228	08/16/2018	7:30 AM	08/16/2018	9:14 AM	5800 Boys Club Ln	Z001-0754 to Z001-0752	Z001-0754	5,250	Manhole		Rainfall			No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0012	01/04/2019	4:12 PM	01/05/2019	12:20 PM	5800 Boys Club Ln	Z001-0754 to Z001-0752	Z001-0754	302,000	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0221	06/05/2019	5:42 PM	06/07/2019	9:59 AM	5800 Boys Club Ln	Z001-0754 to Z001-0752	Z001-0754	1,209,000	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0286	08/24/2019	3:05 PM	08/24/2019	10:11 PM	5800 Boys Club Ln	Z001-0754 to Z001-0752	Z001-0754	117,150	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
20-0141	05/17/2020	1:54 PM	05/17/2020	9:42 PM	5800 Boys Club Ln	Z001-0754 to Z001-0752	Z001-0754	70,200	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
<b>Z001-0758 to Z001-0756</b>																				
18-0065	02/24/2018	6:59 PM	02/25/2018	8:00 AM	S Zero St	Z001-0758 to Z001-0756	Z001-0758	39,000	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
18-0360	12/15/2018	10:59 AM	12/16/2018	9:59 AM	6015 Boys Club Ln	Z001-0758 to Z001-0756	Z001-0758	68,950	Manhole		Rainfall	Other	None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0011	01/04/2019	4:10 PM	01/05/2019	12:20 PM	5800 Boys Club Ln	Z001-0758 to Z001-0756	Z001-0758	121,000	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
<b>Z001-0760 to Z001-0758</b>																				
18-0061	02/24/2018	12:19 PM	02/25/2018	11:19 PM	S Zero St	Z001-0760 to Z001-0758	Z001-0760	210,000	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0013	01/04/2019	4:15 PM	01/05/2019	9:30 AM	5800 Boys Club Ln	Z001-0760 to Z001-0758	Z001-0760	5,175	Manhole		Rainfall			Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
<b>Z001-0770 to Z001-0760</b>																				
18-0159	06/24/2018	7:10 PM	06/25/2018	7:35 AM	2100 Boys Club Ln	Z001-0770 to Z001-0760	Z001-0770	44,700	Manhole		Rainfall			No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
18-0219	08/15/2018	10:46 AM	08/16/2018	9:14 AM	5800 Boys Club Ln	Z001-0770 to Z001-0760	Z001-0770	134,900	Manhole		Rainfall			No Cleanup Performed	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
18-0359	12/15/2018	10:59 AM	12/16/2018	9:59 AM	6015 Boys Club Ln	Z001-0770 to Z001-0760	Z001-0770	68,950	Manhole		Rainfall	Other	None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0220	06/05/2019	5:42 PM	06/07/2019	9:59 AM	5800 Boys Club Ln	Z001-0770 to Z001-0760	Z001-0770	362,700	Manhole		Rainfall		None Indicated	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0288	08/24/2019	3:05 PM	08/24/2019	10:11 PM	5800 Boys Club Ln	Z001-0770 to Z001-0760	Z001-0770	10,675	Manhole		Rainfall		None Required	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
<b>Z004-0590 to Z004-0580</b>																				
18-0013	01/08/2018	3:30 PM	01/08/2018	4:30 PM	3608 Brooken Hill Dr	Z004-0590 to Z004-0580		600	Service Line		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
19-0058	02/12/2019	9:14 AM	02/12/2019	11:15 AM	3608 Brooken Hill Dr	Z004-0590 to Z004-0580		605	Service Line		Grease	Debris	Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>Z004-1500 to Z004-1490</b>																				
18-0143	05/14/2018	3:51 PM	05/14/2018	4:40 PM	2925 Marion Ct	Z004-1500 to Z004-1490	Z004-1500	245	Manhole		Roots	Grease	Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
18-0148	05/24/2018	3:50 PM	05/24/2018	4:30 PM	2925 Marion Ct	Z004-1500 to Z004-1490	Z004-1500	200	Manhole		Roots	Grease	Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>Z005-0400 to Z005-0370</b>																				
18-0168	07/07/2018	3:55 PM	07/07/2018	8:27 PM	2624 Glen Flora Way	Z005-0400 to Z005-0370		272	Main Line		Line Break		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
18-0186	08/06/2018	3:27 PM	08/06/2018	5:40 PM	2624 Glen Flora Way	Z005-0400 to Z005-0370		133	Main Line		Roots		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
18-0190	08/07/2018	9:25 AM	08/07/2018	12:30 PM	2624 Glen Flora Way	Z005-0400 to Z005-0370		925	Main Line		Line Break		Jet Clean	No Cleanup Performed	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>Z005-1070 to Z005-1050</b>																				
18-0320	11/12/2018	7:05 PM	11/12/2018	9:55 PM	9424 Belhaven View	Z005-1070 to Z005-1050	Z005-1070	1,700	Manhole		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
18-0370	12/26/2018	12:39 PM	12/26/2018	1:15 PM	9424 Belhaven View	Z005-1070 to Z005-1050	Z005-1070	360	Manhole		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>Z006-1080 to Z006-1070</b>																				
20-0147	05/25/2020	9:32 PM	05/25/2020	10:21 PM	106 Cornell Cir	Z006-1080 to Z006-1070		49	Service Line		Rainfall		None Indicated	No Cleanup Performed	Basement Backup	No	No	Yes	No	Not Applicable
20-0274	10/28/2020	12:30 PM	10/29/2020	8:30 AM	106 Cornell Cir	Z006-1080 to Z006-1070		2,340	Service Line		Rainfall		None Indicated	Scheduled Cleanup	Basement Backup	No	No	Yes	No	Not Applicable
20-0273	10/28/2020	12:05 PM	10/29/2020	8:30 AM	100 Cornell Cir	Z006-1080 to Z006-1070		12,250	Service Line		Rainfall		None Indicated	Scheduled Cleanup	Basement Backup	No	No	Yes	No	Not Applicable
<b>Z006-1480 to Z006-1470</b>																				
18-0371	12/26/2018	12:59 PM	12/26/2018	2:40 PM	8311 Cypress Ave	Z006-1480 to Z006-1470		101	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0042	02/01/2019	11:07 AM	02/01/2019	12:30 PM	8311 Cypress Ave	Z006-1480 to Z006-1470		84	Service Line		Line Break		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>Z006-1570 to Z006-1560</b>																				
19-0368	11/23/2019	8:40 PM	11/23/2019	9:41 PM	8112 Cypress Ave	Z006-1570 to Z006-1560		61	Service Line		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0398	12/20/2019	7:05 PM	12/20/2019	9:30 PM	8112 Cypress Ave	Z006-1570 to Z006-1560		145	Service Line		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
<b>Z007-0540 to Z007-0530</b>																				
19-0006	01/04/2019	8:04 AM	01/04/2019	9:25 AM	9908 Wellington Way	Z007-0540 to Z007-0530	Z007-0540	810	Manhole		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
19-0248	07/06/2019	5:05 PM	07/07/2019	10:35 AM	9908 Wellington Way	Z007-0540 to Z007-0530	Z007-0540	10,500	Manhole		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea

## Sewer Overflow Repeat Locations Report

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
18-0270	10/01/2018	8:44 AM	10/01/2018	10:44 AM	9908 Wellington Way	Z007-0540 to Z007-0530	Z007-0540	1,210	Manhole		Grease		Jet Clean	Scheduled Cleanup	Receiving Water (Riv, Str)	No	No	Yes	No	Mill Creek to Potea
<b>Z008-0580 to Z008-0570</b>																				
19-0101	03/27/2019	8:17 AM	03/27/2019	9:33 AM	2401 Brigadoon Dr	Z008-0580 to Z008-0570	Z008-0580	76	Manhole		Roots		Power Rod	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0165	07/02/2020	3:45 PM	07/02/2020	5:00 PM	4201 Brigadoon Dr	Z008-0580 to Z008-0570	Z008-0580	150	Manhole		Debris		Jet Clean	Scheduled Cleanup	Public Land (Ground)	No	No	Yes	No	Not Applicable
<b>Z008-2490 to Z008-2480</b>																				
20-0307	11/08/2020	3:05 PM	11/08/2020	4:44 PM	10700 Saint Anthony Ct	Z008-2490 to Z008-2480	Z008-2490	100	Manhole		Debris		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable
20-0317	11/26/2020	10:15 AM	11/26/2020	10:36 AM	10700 Saint Anthony Ct	Z008-2490 to Z008-2480	Z008-2490	168	Manhole		Grease		Jet Clean	Scheduled Cleanup	Private PPTY (Ground)	No	No	Yes	No	Not Applicable

**Sewer Replacements and Repairs Performed In-House 2020**

Work Order	Address	Reason	SSO #1	SSO #2	Type	Notes	New Diameter	New Material	Pipe ID	Upstream MH	USMH Replaced?	Downstream MH	DSMH Replaced?	LF
20-003090	7101 Hwy. 45 So.	broke force main	20-0075		force main		2"	PVC	M003-5570-0280	M003-5570	no	M003-0280	no	9
20-000218	810 No. 44th. St.	bad main	20-0003		main		6"	PVC	S006-0720-0710	S006-0720	no	S006-0710	no	52
20-001509	6505 Fresno St.	bad main	20-0030	20-0034	main		6"	PVC	M007-0070-0060	M007-0070	no	M007-0060	no	10
19-007134	2105 No. 53rd. St.	broken main	15-0020		main		6"	PVC	S005-0730-0720	S005-0730	no	S005-0720	no	35
	4623 North J	No USMH	20-0080		Main		8"	PVC	S006-0595-0590	S006-0595	yes	S006-0590	no	9
15-014374	3529 S. 34th St.	pipe failure	15-0436	20-0142	main		8"	PVC	P009-2290-2280	P009-2290	Yes	P009-2280	yes	70
20-001666	1209 No. B St.	Flush tank			MH					P010-0680	yes	P010-0670	no	6
19-016090	49th and Park	bad main	19-00359	14-0140	MH-MH		8"	PVC	S006-1290-1280	S006-1290	no	S006-1280	yes	116
20-002308	49th & Park	Capacity increase			MH-MH		8"	PVC	S006-1280-1270	S006-1280	yes	S006-1270	no	16
20-000318	2508 So. 22nd street.	Debris	19-0373		MH-MH		8"	PVC	P006-1315-1310	P006-1315	Yes	P006-1310	Yes	118
20-002625	710 N. Greenwood Av.	Remedial measures			MH-MH		8"	PVC	P008-0910-0900	P008-0910	Yes	P008-0900	Yes	1
20-006865	3529 S. 34th St.	pipe failure			MH-MH		8"	PVC	P009-2280-2275	P009-2280	Yes	P009-2275	no	10
20-007606	5211 Cliff Dr.	Capacity increase			MH-MH		8"	PVC	S004-0610-0590	S004-0610	no	S004-0590	no	
20-005315	2106 Garner Ln.	pipe failure			MH-MH		8"	PVC	P009-0495-0480	P009-0490	Yes	P009-0480	Yes	15
20-009122	2200 Garner Ln.	Bad main,pipe bore			MH-MH		8"	PVC	P009-0480-0470	P009-0480	Yes	P009-0468	No	20
20-004297	2720 Old Greenwood Rd.	Roots	20-0118		Point repair		8"	PVC	P009-0825-0820	P009-0825	no	P009-0820	no	28
20-002592	1621 Towson Ave.	Broken service	20-0061		service	connected to this tap	4"	PVC	MC02-0650-0640	MC02-0650	no	MC02-0640	no	3
20-002346	4416 S. 30 St.	Broken service	20-0057		service		4"	PVC	MC07-1010-1000	MC07-1010	no	MC07-1000	no	24
20-002638	2509 Roxbury	Broken service	20-0063		service		4"	PVC	Z007-0840-0830	Z007-0840	no	Z007-0830	no	20
20-003776	912 So. 24th. St	bad service	20-0096		service									10
20-000286	4131 Stanard Ave.	bad service	20-0007		service		4"	PVC	P007-1930-1920	P007-1930	no	P007-1920	no	199'
20-004023	1400 Dallas St.	New tap install	20-0115		service	Installed new tap	4"	PVC	MC05-0240-0190	MC05-0240	no	MC05-0190	no	14
20-004245	4310 Virginia Ave.		20-0116		service									253
20-003504	622 No. 19th.	broken service	20-0084	20-0102	service		4"	PVC	P005-1690-1680	P005-1690	no	P005-1680	no	98
20-005392	612 Lecta Ave.	Broken service	20-0133		service		4"	PVC	P008-1150-1140	P008-1150	no	P008-1140	no	
20-005535	4722 Arlington Ave.	Broken service	20-0144		service		4"	PVC	FL02-1020-1010	FL02-1020	no	FL02-1010	no	319'
	7500 Cypress St.	pipe failure	20-0172		service									303'
20-014252	12014 Edgewater rd.	bad service	20-0234		service		4"	PVC	HR01-1090-1080	HR01-1090	no	HR01-1080	no	202'
20-007782	3317 Royal Scots Way	Broken service	20-0162		service repair		4"	PVC	Z004-1170-1160	Z004-1170	no	Z004-1160	no	6'
20-018292	10700 Saint Anthony Ct.	broken service	20-0320	20-317	service repair		4"	PVC	Z008-2490-2480	Z008-2490	no	Z008-2480	no	10'
20-018286	1526 Belle Ave.	Broken service	20-0319		service repair		4"	PVC	P005-0210-0200	P005-0210	no	P005-0200	no	15'
21-000061	3714 Victory Circle	New tap install			service repair		4"	PVC	S007-1040-1030	S007-1040	yes	S007-1030	no	8'
20-018188	3801 N. O	need MH	20-0322		MH-MH	New manhole added	8"	PVC	S007-1040-1035	S007-1040	no	S007-1035	yes	69
20-018880	2201 Carthage	Main collapse	20-0331		Point repair			PVC	MC07-1870-1860	MC07-1870	no	MC07-1860	no	
20-018761	4901 Midland	Main collapse	20-0324		Point repair		12"	PVC	FL02-0330-0320	FL02-0330	no	FL02-0320	no	11'
20-018867	9201 Skypark	Broken main and service	20-0332	20-0333	Point repair	service repair	6"	PVC	SK01-0150-0050	SK01-0150	no	SK01-0050	no	20
20-018100	1400 S. M	Point repair	20-0315		Point repair		8"	PVC	MC02-0360-0350	MC02-0360	no	MC02-0350	no	10'

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Attachment 6  
2018, 2019, and 2020 Reoccurring PSLR Events

## Sewer Overflow Repeat Locations Report

### By Address

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
<b>1001 S 19th St</b>																				
18-0019	01/12/2018	9:50 AM			1001 S 19th St	P006-0210 to P006-0200			Service Line				Power Rod	No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0130	05/01/2018	7:38 PM	05/01/2018		1001 S 19th St	P006-0210 to P006-0200			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>1107 N 52nd St</b>																				
19-0047	02/04/2019	4:30 PM			1107 N 52nd St	S006-0490 to S006-0480			Service Line					No Cleanup Performed		No	No	Yes	No	
19-0298	09/05/2019	9:00 AM			1107 N 52nd St	S006-0490 to S006-0480			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>1115 N H St</b>																				
19-0102	03/27/2019	11:00 AM			1115 N H St	P010-0590 to P010-0580			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0215	06/04/2019	1:57 PM			1115 N H St	P010-0590 to P010-0580			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>1220 N 44th St</b>																				
18-0092	03/17/2018	6:06 PM			1220 N 44th St	P007-2400 to P007-2395			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0098	03/25/2018	7:53 AM			1220 N 44th St	P007-2395 to P007-2390			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>1319 Dallas St</b>																				
20-0243	09/23/2020	12:59 PM			1319 Dallas St	MC05-0190 to MC05-0170			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0208	08/21/2020	2:40 PM			1319 Dallas St	MC05-0190 to MC05-0170			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>1500 Boston St</b>																				
18-0242	08/28/2018	2:19 PM			1500 Boston St	MC05-0230 to MC05-0220			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0038	01/29/2019	9:43 AM			1500 Boston St	MC05-0230 to MC05-0220			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0239	08/22/2018	3:32 PM			1500 Boston St	MC05-0230 to MC05-0220			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>1621 Towson Ave</b>																				
20-0028	01/23/2020	1:30 PM			1621 Towson Ave	MC02-0650 to MC02-0640			Other (See Co					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0061	02/25/2020	11:00 AM			1621 Towson Ave	MC02-0650 to MC02-0640			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>1705 N I St</b>																				
20-0068	03/04/2020	4:25 PM			1705 N I St	P005-1500 to P005-1490			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0112	04/01/2020	8:00 AM	04/01/2020	3:59 PM	1705 N I St	P005-1500 to P005-1490			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>1801 Cavanaugh Rd</b>																				
19-0131	04/16/2019	11:04 AM			1801 Cavanaugh Rd	Z002-0170 to Z002-0140			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0197	05/22/2019	5:20 PM			1801 Cavanaugh Rd	Z002-0170 to Z002-0140			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0022	01/09/2019	11:31 AM			1801 Cavanaugh Rd	Z002-0170 to Z002-0140			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>2001 N 13th St</b>																				
18-0010	01/08/2018	10:52 AM			2001 N 13th St	P004-0210 to P004-0200			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0309	11/01/2018	8:15 AM			2001 N 13th St	P004-0210 to P004-0200			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>224 Belle Ave</b>																				
19-0324	10/12/2019	4:55 PM			224 Belle Ave	P008-0740 to P008-0730			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0157	05/01/2019	7:07 PM			224 Belle Ave	P008-0730 to P008-0720			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>2301 N 9th St</b>																				
20-0246	09/28/2020	10:25 AM			2301 N 9th St	P003-1140 to P003-1130			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0143	05/20/2020	9:14 AM			2301 N 9th St	P003-1140 to P003-1130			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0251	10/08/2020	9:09 AM			2301 N 9th St	P003-1140 to P003-1130			Service Line					No Cleanup Performed		No	No	No	No	Not Applicable
20-0205	08/20/2020	9:14 AM			2301 N 9th St	P003-1140 to P003-1130			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>2301 S 56th St</b>																				
18-0340	12/03/2018	11:16 AM			2301 S 56th St	S004-1370 to S004-1360			Service Line					Scheduled Cleanup		No	No	Yes	No	Not Applicable
20-0303	11/03/2020	11:56 AM			2301 S 56th St	S004-1150 to S004-1140			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0305	11/04/2020	2:10 PM			2301 S 56th St	S004-1150 to S004-1140			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable



## Sewer Overflow Repeat Locations Report

### By Address

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
<b>2505 S L St</b>																				
18-0086	03/14/2018	9:59 AM			2505 S L St	P006-2150 to P006-2130			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0091	03/17/2018	5:31 PM			2505 S L St	P006-2150 to P006-2130			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>2509 Riviera Cir</b>																				
18-0082	03/10/2018	5:46 PM			2509 Riviera Cir	M001-0810 to M001-0800			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0176	05/16/2019	2:56 PM			2509 Riviera Cir	M005-0770 to M005-0760			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>2600 S 67th St</b>																				
19-0189	05/20/2019	8:45 AM			2600 S 67th St	M005-1060 to M005-1050			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0247	07/02/2019	10:30 AM			2600 S 67th St	M005-1060 to M005-1050			Service Line					Scheduled Cleanup		No	No	Yes	No	Not Applicable
<b>2815 Pendell Ln</b>																				
18-0339	11/30/2018	1:54 PM			2815 Pendell Ln	P009-0260 to P009-0250			Service Line				None Indicated	No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0003	01/03/2018	8:07 AM			2815 Pendell Ln	P009-0260 to P009-0250			Service Line				Power Rod	No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>2817 Memphis St</b>																				
18-0045	02/09/2018	3:25 PM			2817 Memphis St	MC07-0540 to MC07-0530			Service Line				Power Rod	No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0348	12/08/2018	9:02 PM			2817 Memphis St	MC07-0540 to MC07-0530			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>2904 S Q St</b>																				
18-0182	07/27/2018	12:32 PM			2904 S Q St	P006-0260 to P006-0250			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0189	08/07/2018	10:32 AM			2904 S Q St	P009-0250 to P009-0240			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0091	03/20/2019	8:00 AM			2904 S Q St	P009-0260 to P009-0250			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>2907 Tilles Ave</b>																				
18-0151	05/31/2018	3:22 PM			2907 Tilles Ave	P008-0610 to P008-0600			Service Line				Power Jet	No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0235	09/08/2020	11:17 AM			2907 Tilles Ave	P008-0620 to P008-0610			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0242	09/12/2020	2:29 PM			2907 Tilles Ave	P008-0620 to P008-0610			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0098	03/25/2019	8:00 AM	03/25/2019		2907 Tilles Ave	P008-0620 to P008-0610			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0100	03/26/2019	2:45 PM			2907 Tilles Ave	P008-0620 to P008-0610			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0294	08/28/2019	5:29 PM			2907 Tilles Ave	P008-0620 to P008-0610			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>3100 Grand Ave</b>																				
19-0167	05/06/2019	1:42 PM			3100 Grand Ave	P008-0590 to P008-0160			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0327	10/16/2019	12:38 PM			3100 Grand Ave	P008-0970 to P008-0960			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>3306 N 54th St</b>																				
18-0343	12/04/2018	7:02 PM			3306 N 54th St	SP01-0220 to SP01-0215			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0364	12/17/2018	4:31 PM			3306 N 54th St				Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>3415 Short Wilma St</b>																				
19-0315	09/29/2019	1:13 PM			3415 Short Wilma St	FL01-1220 to FL01-1210			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0302	11/02/2020	5:48 PM			3415 Short Wilma St	FL01-1225 to FL01-1220			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>418 N Albert Pike Ave</b>																				
18-0262	09/25/2018	8:28 AM			418 N Albert Pike Ave	P007-2070 to P007-2050			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0286	10/15/2018	8:19 AM			418 N Albert Pike Ave	P007-2050 to P007-2040			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>4601 N 6th St</b>																				
20-0041	02/10/2020	2:45 AM			4601 N 6th St	FL02-0380 to FL02-0370	FL02-0380		Manhole					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0203	08/19/2020	4:10 PM			4601 N 6th St	FL02-0370 to FL02-0365			Service Line					No Cleanup Performed		No	No	Yes	No	Not Reported
<b>4629 Free Ferry Rd</b>																				
19-0144	04/23/2019	5:04 PM			4629 Free Ferry Rd	S006-1450 to S006-1440			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0101	03/26/2020	1:06 PM			4629 Free Ferry Rd	S006-1450 to S006-1440			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>4723 N M St</b>																				

## Sewer Overflow Repeat Locations Report

### By Address

SSO ID	Start Date	Start Time	End Date	End Time	Address	Pipe Description	Structure ID	Gallons Spilled	Source 1	Source 2	Cause 1	Cause 2	Initial Action	Initial Action 2	SSO Impact	OEH	OEEI	NEA	EFK	Receiving Water
19-0089	03/19/2019	6:30 PM			4723 N M St	S007-1520 to S007-1510			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0093	03/21/2019	2:09 PM			4723 N M St	S007-1520 to S007-1510			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0140	04/22/2019	8:17 AM			4723 N M St	S007-1520 to S007-1510			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>5101 Wirsing Ave</b>																				
19-0145	04/24/2019	12:26 PM			5101 Wirsing Ave	S005-0580 to S005-0570			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0008	01/04/2019	10:53 AM			5101 Wirsing Ave	S005-0580 to S005-0570			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>5511 Gary St</b>																				
20-0032	01/28/2020	11:17 AM			5511 Gary St	M007-1850 to M007-1810			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0037	02/05/2020	8:41 PM			5511 Gary St	M007-1850 to M007-1810			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>5634 Collins Ln</b>																				
18-0317	11/06/2018	2:41 PM			5634 Collins Ln	S002-1260 to S002-1250			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0016	01/07/2019	10:22 AM			5634 Collins Ln	S002-1270 to S002-1260			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>605 S 20th St</b>																				
18-0125	04/26/2018	9:02 AM			605 S 20th St	P006-0060 to P006-0050			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0105	03/27/2020	9:50 AM			605 S 20th St	P006-0060 to P006-0050			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>711 N E St</b>																				
18-0139	05/07/2018	4:36 PM			711 N E St	P002-2060 to P002-2040			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0145	05/22/2018	11:38 AM			711 N E St	P002-2060 to P002-2040			Service Line				Power Rod	No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>7320 Rogers Ave</b>																				
19-0255	07/15/2019	12:09 PM			7320 Rogers Ave	M005P0004 to M005-0480			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0086	03/18/2019	8:14 AM			7320 Rogers Ave	M005P0004 to M005-0480			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>805 N 12th St</b>																				
19-0264	08/07/2019	9:57 AM			805 N 12th St	P010-0590 to P010-0580			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
19-0326	10/15/2019	1:52 PM			805 N 12th St	P010-0590 to P010-0580			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>8201 US Highway 271 S</b>																				
18-0156	06/14/2018	2:41 AM			8201 US Highway 271 S	Z006-1840 to Z006-1835			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0157	06/18/2018	9:59 AM			8201 US Highway 271 S	Z006-1840 to Z006-1835			Service Line					No Cleanup Performed		No	No	Yes	No	Mill Creek to Potea
<b>8365 Rogers Ave</b>																				
18-0067	02/27/2018	2:09 PM			8365 Rogers Ave				Manhole		Grease		Jet Clean	Scheduled Cleanup		No	No	Yes	No	Not Applicable
18-0070	03/01/2018	11:35 AM			8365 Rogers Ave	M004-1550 to M004-1540	M004-1550		Manhole					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>903 N 41st St</b>																				
18-0245	09/06/2018	7:35 AM			903 N 41st St	P007-1620 to P007-1610			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
20-0335	12/10/2020	4:25 PM			903 N 41st St	P007-1620 to P007-1610			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
<b>933 S 68th Ln</b>																				
20-0204	08/19/2020	7:15 PM			933 S 68th Ln	S001-0110 to S001-0090			Service Line					No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0029	01/22/2018	12:59 PM			933 S 68th Ln	S001-0110 to S001-0090			Service Line				Jet Clean	No Cleanup Performed		No	No	Yes	No	Not Applicable
18-0017	01/12/2018	8:19 AM			933 S 68th Ln	S001-0110 to S001-0090			Service Line				Power Rod	No Cleanup Performed		No	No	Yes	No	Not Applicable

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Attachment 7  
Standard Operating Procedures

## Standard Operating Procedures

Category	SOP Code	SOP Title	Proposed Schedule* (Months)	Consent Decree Paragraph	Status	Original Signature Date	
<b>Gravity Sewers &amp; Manholes</b>	<b>Gravity Sewer and Manhole Cleaning and Maintenance</b>			<b>53a</b>			
	9999-0100-001-CDR	Assessing Blockage Conditions	72		Complete	4/26/2017	
	9999-0100-002-CDR	Using a Rod Truck to Clear a Blockage	48		Complete	4/26/2017	
	9999-0100-003-CDR	Using a Wash or Jet Truck to Clear a Blockage	48		Complete	4/6/2017	
	9999-0100-004-CDR	Hot Shot Truck Operation	48		Complete	4/26/2017	
	9999-0100-005-CDR	Determining the Results	72		Complete	6/6/2018	
	9999-0100-006-CDR	Work Site Cleanup	48		Complete	4/6/2017	
	9999-0100-007-CDR	Disposal of Removed Materials	48		Complete	4/6/2017	
	9999-0100-008-CDR	SL Rat Operation	Request		Complete	7/5/2017	
	9999-0100-009-CDR	Trimble Geo 7X GPS Unit	NA		Complete	7/5/2017	
	<b>Gravity Sewer CCTV and Other Inspections</b>				<b>53b</b>		
			Setting up for Camera Insertion	48		Complete refer to 0200-002-CDR	4/26/2017
	9999-0200-002-CDR		CCTV Operation	24		Complete	4/26/2017
			CCTV of Main Lines 12 inches or Greater	24		Complete refer to 0200-002-CDR	4/26/2017
	9999-0200-004-CDR		Pipeline Assessment & Condition Coding, Records, and Reports	24		Complete	4/6/2017
			Logging Inspection Observations	48		Complete refer to 0200-002-CDR	4/26/2017
			Encountering Obstructions and Freeing the Camera	48		Complete refer to 0200-002-CDR	4/26/2017
			Removal, Cleaning and Storage of the Camera and Cable	48		Complete refer to 0200-002-CDR	4/26/2017
			Documenting the Work	48		Complete refer to 0200-002-CDR	4/26/2017
	9999-0200-009-CDR		Inspecting City Cleanouts	72		Complete	4/6/2017
			Inspecting Owner Cleanouts	72		Complete refer to 0200-009-CDR	4/26/2017
			Inspecting a Main Line for Line Stoppage	72		Complete refer to 0100-001-CDR	4/26/2017
	9999-0200-012-CDR		Tracing Service Lines	72		Complete	6/6/2018
	9999-0200-013-CDR		Dye Testing	48		Complete	4/26/2017
	9999-0200-014-CDR		Smoke Testing	48		Complete	4/26/2017
	9999-0200-015-CDR		Inspection of Flow Measurement Devices	72		Complete	6/6/2018
	<b>Manhole Inspection</b>				<b>53c</b>		
			Manhole Cover Removal and Replacement	48		Complete refer to 0300-002-CDR	4/6/2017
	9999-0300-002-CDR		Manhole Inspection Procedures and Forms	48		Complete	4/6/2017
	9999-0300-003-CDR		Manhole Assessment & Condition Coding	48		Complete	6/6/2018
	<b>Gravity Sewer and Manhole Construction, Renewal, Rehabilitation, and Repair</b>				<b>53d</b>		
	9999-0400-001-CDR		Manhole (MH) Repair - Point Repair	24		Complete	4/26/2017
	9999-0400-002-CDR		Using Rim Inserts to Raise Elevation of MH Frame/Rim	72		Complete	6/6/2018
	9999-0400-003-CDR		Patching MH Barrels and Cones Using Cement	72		Complete	6/6/2018
			Patching MH Barrels and Cones Using Hand Troweled Grout	72		Complete refer to 004-003-CDR	6/6/2018
	9999-0400-005-CDR		Documenting Site Conditions, Pre-installation	48		Complete	6/6/2018
	9999-0400-006-CDR		Main Line Excavation	24		Complete	4/6/2017
	9999-0400-007-CDR		Installation of Pneumatic Plugs	24		Complete	6/6/2018
	9999-0400-008-CDR		Main Line Point Repair	24		Complete	6/6/2018
			Main Line Point Repair 12 inches or Greater	24		Complete refer to 0400-008-CDR	6/6/2018
	9999-0400-010-CDR		Tap Connection and Testing	24		Complete	4/6/2017
	9999-0400-011-CDR		Connecting the Line and Testing the Connection	24		Complete	6/6/2018
9999-0400-012-CDR		Backfilling, Tamping and Covering Work	48		Complete	6/6/2018	
<b>Pump Station Inspection and Maintenance</b>				<b>53e</b>			

Category	SOP Code	SOP Title	Proposed Schedule* (Months)	Consent Decree Paragraph	Status	Original Signature Date	
Pump Stations & Force Mains	9999-0500-001-CDR	Routine Inspection and Testing of Station Facilities	24		Complete	4/5/2017	
	9999-0500-002-CDR	Routine Inspection and Testing of Station Facilities (Electrical)	24		Complete	4/5/2017	
		Routine Inspection and Testing of Station Facilities (Monthly Activities)	24		Complete refer to 0500-001-SPS	4/5/2017	
		Routine Inspection and Testing of Station Facilities (Quarterly Activities)	24		Complete refer to 0500-001-SPS	4/5/2017	
		Routine Inspection and Testing of Station Facilities (Annual Activities)	24		Complete refer to 0500-001-SPS	4/5/2017	
	9999-0500-006-CDR	Alarm System Functional Testing	48		Complete	12/28/2020	
	9999-0500-007-CDR	Alternate Power System Inspection	48		Complete	12/28/2020	
	<b>Pump Station Operational Procedures</b>				<b>53f</b>		
	9999-0600-001-CDR	Pump Removal and Installation	48		Complete	4/2/2017	
	9999-0600-002-CDR	Wetwell Cleaning Procedure	48		Complete	4/5/2017	
	9999-0600-003-CDR	Troubleshooting Pumping Problems	48		Complete	4/5/2017	
		Adjustment/Calibration of Pump Controls	48		Complete refer to 0500-001-CDR	4/5/2017	
	9999-0600-005-CDR	Odor Control Measures	72		Complete	12/28/2020	
	9999-0600-006-CDR	Flow Splitting Device Operation	48		Complete	12/28/2020	
	<b>Force Main and Ancillary Component Inspection and Maintenance</b>				<b>53g</b>		
	0700-001-SPS	Force Main Locate	48		In Progress	NA	
	0700-002-SPS	Evaluation of Force Mains for Inspection	48		In Progress	NA	
	0700-003-SPS	Inspection, Cleaning, and Replacement of Force Main Ancillary Equipment**	48		In Progress	NA	
	0700-004-SPS	Annual Review of Discharge Head to Determine Cleaning Needs	72		In Progress	NA	
	<b>Ancillary Component (EQ Basin) Inspection***</b>				<b>53h</b>		
Equalization (EQ) Storage Facility	9999-0800-001-CDR	Monitoring for Solids and Cleaning Procedure	72		In Progress	12/28/2020	
		Routine Inspection	48		Complete refer to 0800-001-SEF	12/28/2020	
OERP Program	<b>Overflow Emergency Response Program Major Tasks</b>			<b>53i</b>			
	9999-0900-001-CDR	SSO Operations - Notification Procedure	24		Complete	4/6/2017	
	9999-0900-002-CDR	SSO Operations - First Response Procedure	24		Complete	4/26/2017	
	9999-0900-003-CDR	SSO Operations - Bypass Pumping Operation	24		Complete	4/6/2017	
	9999-0900-004-CDR	SSO Operations - Treatment of Overflow	24		Complete	4/6/2017	
	9999-0900-005-CDR	Sewer Blockage or Surcharging	24		Complete	4/26/2017	
	9999-0900-006-CDR	Response to Sewer Backup into Building	24		Complete	4/6/2017	
	9999-0900-007-CDR	Response to Sewer Main Break	24		Complete	4/6/2017	
	9999-0900-008-CDR	Wastewater Pump Station Alarms—General Response Actions	24		Complete	6/13/2018	
	9999-0900-009-CDR	Secondary Power Failure During Power Outage	24		Complete	6/13/2018	
9999-0900-010-CDR	Sewage Force-Main Break (residential neighborhood and cross country easement non-residential area)	24	Complete		4/6/2017		
Safety	<b>Safety</b>						
	5522-0200-002-TNS	Creating a Traffic Control Plan	24		Complete	11/6/2017	
	9999-1000-002-GEN	Confined Space Entry	24		Complete	11/6/2017	
	5522-0200-011-TNS	Trenching and Shoring	24		Complete	1/10/2020	

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**Attachment 8**  
**Private Line Defect Remedial Program Plan Information**

**Fort Smith Utility Department**  
**Private Service Line Defect Remediation Program**  
**Annual Report for 2020**  
*March 2021*

Tables 1, 2, and 3 include the following information regarding the Private Service Line Defect Remediation Program as required in Section V, Article 7 Paragraph 94, k of the Consent Decree:

- Tabulation, including the property address, of the locations where Private Service Line defects were identified through CSSA activities or otherwise became known to City in the Annual Report Year. (Table 1)
- Tabulation of the locations, including the property address, where Private Service Line defect remediation was completed in the Calendar Year. (Table 2)
- Tabulation, by property address, of the locations where Private Service Line defects were identified in prior Years, but where defect remediation has not yet been completed. (Table 3)

Defects in Tables 1, 2, and 3 were initially identified by smoke testing. PSL defects were then rated using a ratio of repair costs (\$3,000 for line repairs and \$300 for cleanouts) divided by the estimated I&I gallons per day. The estimated I&I was based on; an assigned factor smoke for test intensity (light, medium, or heavy); contributing surrounding drainage area at the defect location; factoring for elevation (for cleanout only) above or below grade of the contributing area, and; an application of the Rational Method.

The results for Table 1 (using the cost divided by I&I formula) identified a total of 17 private service line defects listed in Table 1 with an I&I rating between 0.0 and 0.5. The total includes 16 defective cleanouts and 1 defective service lateral. These will be subject to property owner notification and follow-up repair activities in 2021.

<b>Table 1</b> <b>Fort Smith Utility Department</b> <b>Private Service Line Defects Identified through SSA in 2020</b>		
<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
S006	1425 N 52nd St	Service Lateral
CS01	20 Candlestick Ln	Cleanout
Z007	2311 Fianna Oaks Dr	Cleanout
Z007	2606 Roxbury Ln	Cleanout
PL01	3919 N 57th St	Cleanout
PL01	4200 N 55th St	Cleanout
PL01	4201 N 55th St	Cleanout
CS01	5925 S 10th St	Cleanout
CS01	601 Cedar Ln	Cleanout
CS01	6720 Hwy 271 S	Cleanout
CS01	6808 S 9th St	Cleanout
CS01	6819 S 8th St	Cleanout
CS01	6901 S 9th St	Cleanout



**Table 1**  
**Fort Smith Utility Department**  
**Private Service Line Defects Identified through SSA in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
CS01	7 Candlestick Ln	Cleanout
CS01	7108 Texas Rd	Cleanout
CS01	7512 Alice Ln	Cleanout
Z007	8901 Jenny Lind	Cleanout

Table 2 includes a tabulation of the locations, including the property address, where Private Service Line defect remediation was completed in the Calendar Year. The total number of remediated defects includes 104 cleanouts and 17 service laterals.

**Table 2**  
**Fort Smith Utility Department**  
**Private Service Line Defects Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
P007	1005 S 46th	Cleanout
P007	1024 N 36th St	Service Lateral
RF01	10900 Woodland Dr	Cleanout
S006	1106 N 44th St	Cleanout
MC06	1107 N 48 <sup>th</sup> St	Cleanout
RF01	11112 Vista Ridge Ct	Cleanout
RF01	11700 Maple Park Dr	Cleanout
RF01	12110 Old Hwy 71	Cleanout
P008	1307 N 33rd St	Cleanout
P009	1401 Old Greenwood Rd	Cleanout
MC06	1418 Phoenix Ave	Cleanout
P005	1421 N Greenwood Ave	Cleanout
P005	1424 Belle Ave	Cleanout
P007	1427 N 35th St	Cleanout
P005	1432 May Ave	Service Lateral
P007	1445 N 38th St	Cleanout
S007	1515 N 11th St	Service Lateral
P007	1516 N 33rd St	Service Lateral
P004	1806 N 13th St	Cleanout
P004	1806 N 13th St	Cleanout
P003	1810 N 6th St	Cleanout
P005	1823 N M St	Cleanout
P004	1828 N 13th St	Cleanout
P004	1830 N 12th St	Service Lateral
P004	1835 N 14th St	Cleanout

**Table 2**  
**Fort Smith Utility Department**  
**Private Service Line Defects Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
MC06	1914 Waco St	Cleanout
MC07	2001 Phoenix Ave	Cleanout
P003	2011 N 12th St	Cleanout
P004	2110 N 30th St	Cleanout
P009	2112 Valley Ln	Cleanout
P004	2133 N 29th St	Cleanout
P003	2205 N 7th St	Cleanout
Z001	2319 Ingersol Cir	Cleanout
S008	2400 N 33rd St	Cleanout
S009	2610 N 41st St	Cleanout
S008	269 Futral Dr	Cleanout
S008	270 Futral Dr	Cleanout
S008	271 Futral Dr	Cleanout
P008	2719 N I St	Cleanout
S008	273 Futral Dr	Service Lateral
S009	2810 N Albert Pike Ave	Service Lateral
MC07	2814 Osage St	Service Lateral
P004	2815 N R St	Cleanout
P009	2920 S Carthage St	Cleanout
M005	3000 S 70th St	Cleanout
HL01	3017 S 105th St	Cleanout
S008	3020 Blair Ave	Cleanout
MC07	3020 Osage St	Cleanout
HR01	3030 Windrift Cv	Cleanout
Z001	3100 Phoenix Ave	Cleanout
M005	3100 S 70th St	Cleanout
Z001	3106 Kennedy Ct	Cleanout
HL01	3112 S 106th Cir	Cleanout
Z001	3208 Phoenix Ave	Cleanout
P009	3224 S 40th St	Cleanout
P009	3305 Leighs Hollow Ln	Cleanout
P009	3308 Leigh's Hollow Ln	Cleanout
P009	3313 S 41st St	Cleanout
M005	3325 S 74th St	Cleanout
S009	3330 N 48th St	Service Lateral
M005	3413 S 68th Cir	Cleanout
P009	3511 S 34th St	Cleanout
P008	3609 Barry Ave	Cleanout
S008	3614 Roosevelt Rd	Cleanout
FL02	3618 Blair Ave	Cleanout

**Table 2  
Fort Smith Utility Department  
Private Service Line Defects Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
S007	3719 Victory Cir	Cleanout
MC06	3720 S Boston St	Cleanout
P009	3721 Carthage St	Cleanout
S007	3800 Morris Dr	Cleanout
M003	3905 Brooken Hill Dr	Cleanout
S009	3911 Birnie Ave	Cleanout
S006	4108 N 6th St	Cleanout
S006	4108 N 6th St	Cleanout
S007	4208 Urbana Dr	Cleanout
FL02	4301 Newlon Rd	Cleanout
S009	4310 Virginia Ave	Cleanout
MC07	4400 S 16 <sup>th</sup> St	Cleanout
MC07	4409 S 25th St	Cleanout
MC07	4427 S 24th St	Cleanout
S007	4500 N M St	Cleanout
P003	4515 S 16th St	Service Lateral
FL02	4516 Berkley Ave	Cleanout
FL02	4516 Berkley Ave	Cleanout
S009	4516 Wirsing Ave	Service Lateral
S008	4518 Windsor Dr	Cleanout
S007	4521 N N ST	Cleanout
MC06	4610 S 16th St	Cleanout
FL02	4615 Spradling Ave	Cleanout
S007	4713 Mill Pond Ct	Cleanout
MC06	5007 S Savannah Dr	Cleanout
MC06	5007 S Savannah Dr	Cleanout
P008	5014 S 28th St	Cleanout
MC08	5026 S 22nd St	Cleanout
MC08	5026 S 22nd St	Service Lateral
P007	520 N 36th St	Cleanout
FL02	5200 Plum St	Cleanout
S003	5204 Free Ferry Rd	Cleanout
Z001	5218 S 17th Ter	Cleanout
S006	5423 Wheeler Ave	Cleanout
M003	5709 Remington Way	Cleanout
MC06	5724 Hwy 271 S	Cleanout
S007	6006 Hwy 71 S	Service Lateral
S007	6006 Hwy 71 S	Service Lateral
S007	6006 Hwy 71 S	Service Lateral
S007	6006 Hwy 71 S	Service Lateral

**Table 2**  
**Fort Smith Utility Department**  
**Private Service Line Defects Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
P003	619 N 46th St	Cleanout
P007	620 N 44th St	Cleanout
M003	6201 Crimson St	Cleanout
M003	6206 Red Oak Ct	Cleanout
M003	6512 Parkfront Dr	Cleanout
RF01	6601 Highland Park Dr	Cleanout
M005	6629 Sunchase Ln	Cleanout
M005	6706 S Jackson St	Cleanout
M005	6719 S Independence St	Cleanout
M005	6731 S Jackson St	Cleanout
RF01	6900 Southfield Dr	Service Lateral
M005	6905 Rogers Ave	Cleanout
MC07	7 Raleigh Cir	Cleanout
RF01	7101 Highland Park Dr	Cleanout
M003	7409 Red Pine Dr	Cleanout
M003	8708 S 36th Ter	Cleanout
P008	908 N 34th St	Cleanout

Table 3 includes a tabulation, by property address, of the locations where Private Service Line defects were identified in prior Years, but where defect remediation has not yet been completed. The total number of defects not remediated includes 238 cleanouts and 59 service laterals.

**Table 3**  
**Fort Smith Utility Department**  
**Private Service Line Identified in Prior Years – Not Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
FL01	1 Northwood Dr	Cleanout
P007	1005 N 40th St	Service Lateral
P007	1007 N 37th St	Cleanout
FL02	1011 N 49th St	Cleanout
P007	1015 N 37th St	Service Lateral
P007	1017 N 37th St	Service Lateral
HR01	10705 Edgewater Rd	Cleanout
HR01	10900 Edgewater Rd	Service Lateral
S006	1105 N 48th St	Cleanout
P007	1112 N 37th St	Cleanout
P007	1112 N 40th St	Service Lateral
P007	1120 S Albert Pike Ave	Service Lateral

**Table 3**  
**Fort Smith Utility Department**  
**Private Service Line Identified in Prior Years – Not Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
P007	1123 N 37th St	Service Lateral
RF01	11808 Hwy 71 S	Cleanout
RF01	11901 Southcrest Dr	Service Lateral
P004	1205 N R St	Cleanout
P007	1207 S 41st Cir	Service Lateral
P007	1208 N 37th St	Service Lateral
P007	1221 N 39th St	Service Lateral
RF01	12300 S 71 Hwy	Cleanout
S003	126 S 46th St	Cleanout
S003	126 S 46th St	Cleanout
FL02	1300 Brazil Ave	Cleanout
S007	1301 N 48th St	Cleanout
P003	1301 N 9th St	Service Lateral
P007	1310 N 38th St	Cleanout
S006	1315 N 52nd St	Cleanout
P003	1315 N 9th St	Cleanout
P007	1319 N 38th St	Cleanout
S003	1331 Chestnut Way	Cleanout
S003	1331 Chestnut Way	Cleanout
S003	1331 Chestnut Way	Cleanout
S003	1331 S 46th St	Cleanout
S003	1331 S 46th St	Cleanout
S003	1331 S 46th St	Cleanout
S003	1408 Burnham Ct	Cleanout
P007	1411 N 40th St	Service Lateral
P005	1420 May Ave	Cleanout
P007	1424 N 38th St	Cleanout
P007	1430 N 40th St	Service Lateral
P007	1437 N 36th St	Service Lateral
P007	1445 N 37th St	Service Lateral
Z001	1453 N 50th St	Cleanout
P007	1501 N 37th St	Cleanout
P005	1514 N 21st St	Cleanout
P003	1516 N 11th St	Cleanout
P007	1517 N 36th St	Cleanout
MC06	1601 S Jackson St	Cleanout
S007	1611 N 45th Ter	Cleanout
MC08	1615 Phoenix Ave	Cleanout
MC06	1706 Raleigh St	Cleanout
P009	1718 S 29th St	Cleanout

**Table 3**  
**Fort Smith Utility Department**  
**Private Service Line Identified in Prior Years – Not Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
MC06	1721 S Vicksburg St	Cleanout
S009	1727 N 12th St	Cleanout
Z001	1801 Waco St	Cleanout
P004	1812 N Short 7th St	Service Lateral
P003	1815 N 9th St	Cleanout
P008	1820 Phoenix Ave	Cleanout
MC07	1823 Phoenix Ave	Cleanout
MC07	1823 Phoenix Ave	Cleanout
MC07	1823 Phoenix Ave	Cleanout
P004	1824 N 30th Cir	Cleanout
S007	1905 N 46th Ter	Cleanout
P003	1905 N 7th St	Cleanout
P004	1909 May Ave	Cleanout
P003	1910 N 6th St	Cleanout
P003	1916 N 7th St	Cleanout
MC06	1916 Utica Pl	Cleanout
P004	1919 N 31st St	Cleanout
S007	1925 N 6th St	Cleanout
P004	2015 N 30th St	Service Lateral
P004	2015 N 30th St	Cleanout
P004	2015 N 30th St	Cleanout
P004	2018 N 13th St	Cleanout
P003	2020 Midland Blvd	Cleanout
P004	2020 N 29th St	Service Lateral
MC07	2022 Phoenix Ave	Cleanout
P009	2101 Valley Ln	Cleanout
P004	2116 N 12th St	Cleanout
P004	2132 N 13th St	Service Lateral
S008	2200 N 47th Ter	Cleanout
P003	2200 N 9th St	Service Lateral
P004	2216 N 30th St	Cleanout
MC08	2301 Savannah St	Cleanout
P009	2304 N 29th St	Cleanout
MC08	2308 Savannah St	Cleanout
P004	2312 Ingersol Cir	Cleanout
P004	2319 N 30th St	Cleanout
P004	2320 N 29th St	Cleanout
S009	2333 N 47th Terrace	Cleanout
S007	2400 N 29th St	Cleanout
MC07	2401 S Savannah St	Cleanout

**Table 3  
Fort Smith Utility Department  
Private Service Line Identified in Prior Years – Not Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
MC07	2401 S Savannah St	Cleanout
Z001	2413 Vicksburg St	Cleanout
P003	2415 N 27th St	Cleanout
S004	2511 S 57th St	Service Lateral
S008	2609 N 37th St	Cleanout
Z001	2713 Utica St	Cleanout
MC08	2727 S Waco St	Service Lateral
Z001	2801 McKinley Ave	Cleanout
P004	2807 N R St	Service Lateral
P009	2815 S Q St	Cleanout
S008	2914 Midland Blvd	Cleanout
Z001	2920 S Zero St	Cleanout
Z001	2920 S Zero St	Cleanout
FL01	2920 Walnut St	Cleanout
MC08	2923 S Zero St	Cleanout
MC08	3001 S Zero St	Cleanout
P008	3005 N I St	Cleanout
P009	3013 S 34th St	Service Lateral
HL01	3016 S 105th St	Service Lateral
S003	302 N 56th St	Service Lateral
S008	3024 Blair Ave	Cleanout
M005	3105 S 70th St	Cleanout
M005	3105 S 70th St	Cleanout
HP01	3200 Village Rd	Cleanout
S009	3206 N 43rd St	Service Lateral
M005	3219 S 70th St	Service Lateral
P009	3220 S 42nd St	Cleanout
P009	3223 S 39th St	Cleanout
Z001	3223 S Quincy St	Cleanout
P008	3225 Grand Ave	Cleanout
S009	3308 N 49th St	Service Lateral
M005	3309 S 68th Cir	Service Lateral
S009	3314 N 49th St	Service Lateral
FL01	3318 Oak Grove St	Cleanout
M005	3321 S 74th St	Cleanout
M005	3412 S 68th Cir	Cleanout
P009	3415 Gary St	Cleanout
P009	3415 Gary St	Cleanout
P009	3416 Old Greenwood Rd	Cleanout
P008	3500 Kinkead Ave	Cleanout



**Table 3  
Fort Smith Utility Department  
Private Service Line Identified in Prior Years – Not Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
P009	3500 Lucy Ln	Cleanout
P009	3500 S 35th St	Cleanout
P009	3501 Boston St	Cleanout
P007	3514 O St	Service Lateral
FL01	3528 Fischer Ave	Cleanout
FL01	3535 Clayton Ct	Cleanout
P007	3601 Kinkead Ave	Cleanout
S007	3601 Morris Dr	Cleanout
S009	3603 Johnson St	Cleanout
FL02	3608 Blair Ave	Service Lateral
S007	3609 Morris Dr	Cleanout
Z001	3609 Phoenix Ave	Cleanout
Z001	3609 Phoenix Ave	Cleanout
FL01	3619 N 6th St	Service Lateral
P009	3621 Carthage St	Cleanout
FL01	3622 Spradling Ave	Service Lateral
M005	3701 S 69th St	Cleanout
M005	3701 S 69th St	Cleanout
S008	3709 Bradley Dr	Service Lateral
FL01	3715 Mussett Rd	Service Lateral
FL01	3715 Mussett Rd	Service Lateral
M005	3719 S 69th St	Cleanout
FL02	3740 Midland Blvd	Cleanout
S008	3802 Ridgeway Dr	Service Lateral
S008	3806 Ridgeway Dr	Service Lateral
S009	3813 Birnie Ave	Cleanout
FL02	3816 N 43rd St	Cleanout
FL02	3816 N 43rd St	Cleanout
FL02	3816 N 43rd St	Cleanout
FL02	3816 N 43rd St	Cleanout
FL02	3816 N 43rd St	Cleanout
FL02	3821 Mary St	Cleanout
S009	3822 Wirsing Ave	Cleanout
S007	3906 Chaffee Dr	Cleanout
FL01	3909 Mussett Rd	Service Lateral
S007	3921 MacArthur Dr	Cleanout
S008	3922 Ridgeway Dr	Cleanout
S008	3923 1/2 Johnson St	Cleanout
S007	4002 Morris Dr	Cleanout
M003	4004 Glen Flora Way	Cleanout

**Table 3  
Fort Smith Utility Department  
Private Service Line Identified in Prior Years – Not Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
S009	4005 Brockman Ave	Service Lateral
S007	4015 Chaffee Dr	Cleanout
FL02	4015 North St	Service Lateral
S009	4019 Armour	Cleanout
P009	4020 Dallas St	Cleanout
S008	4021 Ridgeway Dr	Service Lateral
S008	4115 Dean Dr	Service Lateral
FL02	4126 N 6th St	Cleanout
P007	420 N 40th St	Cleanout
FL02	4212 Spradling Ave	Cleanout
S009	4217 Kelley HWY	Cleanout
S006	4217 Tilles Ave	Cleanout
P004	4230 Spradling Ave	Cleanout
FL02	4307 N 6th St	Cleanout
S007	4309 Teakwood Dr	Cleanout
S009	4415 Armour St	Service Lateral
FL02	4500 Berkley Ave	Cleanout
FL02	4500 Newlon Rd	Cleanout
FL02	4500 Newlon Rd	Cleanout
FL02	4500 Newlon Rd	Cleanout
FL02	4500 Newlon Rd	Cleanout
S007	4500 Urbana Dr	Cleanout
M003	4501 Burrough Rd	Cleanout
FL02	4507 North St	Cleanout
S009	4508 High St	Cleanout
FL02	4509 Howell Ave	Cleanout
FL02	4512 Clarendon Ave	Cleanout
P009	4512 Spradling Ave	Cleanout
MC07	4515 S 25th St	Cleanout
MC08	4515 Towson Ave	Cleanout
MC08	4515 Towson Ave	Cleanout
S007	4520 N O St	Cleanout
FL01	4531 Irene St	Cleanout
FL01	4610 N 32nd St	Cleanout
S007	4611 N M St	Cleanout
P007	4616 Yorkshire Dr	Cleanout
S009	4701 Wirsing Ave	Service Lateral
FL02	4709 Clarendon Ave	Cleanout
FL02	4712 Plum St	Service Lateral
P003	4718 Johnson St	Service Lateral

**Table 3**  
**Fort Smith Utility Department**  
**Private Service Line Identified in Prior Years – Not Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
Z001	4815 S 29th St	Cleanout
S009	4820 Spradling Ave	Cleanout
S009	4822 High St	Cleanout
S009	4910 Armour St	Service Lateral
Z001	4917 S 32nd St	Cleanout
Z001	5001 S 29th St	Cleanout
MC06	5022 S 17th Ter	Cleanout
Z001	5101 S 28th St	Cleanout
MC06	5101 Towson Ave	Cleanout
Z001	5106 S 30th St	Cleanout
P008	5107 S 24th St	Cleanout
MC06	5117 Jenny Lind Rd	Cleanout
MC06	5117 Jenny Lind Rd	Cleanout
Z001	5123 S 33rd St	Cleanout
P003	515 N 34th St	Cleanout
P007	519 N 36th St	Service Lateral
M003	5200 Twin Hills Dr	Cleanout
S003	5310 Summit St	Cleanout
P007	534 N 40th St	Cleanout
S003	5414 Free Ferry Rd	Service Lateral
RF01	5514 Thomas Rd	Cleanout
RF01	5805 Meadow Brook Dr	Service Lateral
S007	5901 S 29th St	Cleanout
Z001	5912 S 36th St	Cleanout
Z001	6000 S 36th St	Cleanout
S006	605 N 47th St	Cleanout
P008	618 N 35th St	Service Lateral
RF01	6208 Rye Hill Rd E	Cleanout
MC06	621 Xavier St	Cleanout
RF01	6300 Rye Hill Rd E	Cleanout
M003	6305 Remington Ct	Cleanout
RF01	6400 Rye Hill Rd E	Cleanout
M005	6621 Sunchase Ln	Cleanout
M005	6700 S Independence St	Cleanout
M005	6700 S Independence St	Cleanout
M005	6701 Dallas St	Cleanout
M005	6701 S Independence St	Cleanout
M005	6707 S Independence St	Cleanout
M005	6730 S Jackson	Cleanout
M003	6800 Blackjack Dr	Cleanout

**Table 3**  
**Fort Smith Utility Department**  
**Private Service Line Identified in Prior Years – Not Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
M005	6800 Jackson St	Cleanout
M005	6801 Phoenix Ave	Cleanout
M003	6802 Black Gum Cir	Cleanout
M003	6804 Black Gum Cir	Cleanout
M005	6806 S Jackson St	Cleanout
RF01	6807 Highland Park	Cleanout
RF01	6809 Hunter Crossing Dr	Cleanout
M003	6810 Black Gum Cir	Cleanout
M003	6815 Blackjack Dr	Cleanout
M005	6818 S Jackson St	Cleanout
M005	6836 S Independence St	Cleanout
M003	6900 Red Pine Dr	Cleanout
M003	6906 Black Gum Cir	Cleanout
M003	6912 Black Gum Cir	Cleanout
S007	709 N N St	Cleanout
P007	710 N 39th St	Service Lateral
M003	7106 Red Bud Cir	Cleanout
S006	712 N 45th St	Cleanout
M003	7200 Golf Course Loop	Cleanout
M003	7200 S Zero St	Cleanout
RF01	7201 Highland Park Dr	Cleanout
RF01	7211 Shady Ridge Ct	Cleanout
RF01	7300 Highland Park Dr	Cleanout
M005	7301 Rogers Ave	Cleanout
M005	7301 Rogers Ave	Cleanout
M005	7306 Rogers Ave	Service Lateral
M005	7612 Rogers Ave	Cleanout
M003	7701 S Zero St	Cleanout
M003	7920 Rome Way	Cleanout
P008	800 N 35th St	Cleanout
Z001	800 N 44th St	Cleanout
S006	800 N 47th St	Cleanout
S006	809 N 45th St	Cleanout
P007	819 N 41st St	Service Lateral
P007	819 N 41st St	Cleanout
M003	8400 S Zero St	Cleanout
M003	8400 S Zero St	Cleanout
M003	8600 S 36th Terrace	Cleanout
M003	8809 Wildwood Way	Cleanout
P008	900 N 34th St	Cleanout

**Table 3**  
**Fort Smith Utility Department**  
**Private Service Line Identified in Prior Years – Not Remediated in 2020**

<b>Basin</b>	<b>Address</b>	<b>Defect Source</b>
S006	905 N 44th St	Cleanout
Z001	914 N 34th St	Cleanout
M003	9207 Hwy 71 S	Cleanout
M003	9305 Darlington Cir	Cleanout
M003	9412 Darlington Cir	Service Lateral

Public education for the Private Service Line Program will continue in 2021 through billing inserts, handouts, our webpage, and social media.

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Attachment 9  
Comprehensive Training Program Information

CMOM Training Chart		Technical and Skill Training Topics													
Employee Category	WCTS Configuration, Facilities, & Overview	Consent Decree Program Overview including CMOM Implications & Requirements	Sewer Overflow Response	Sewer Cleaning	FOG Inspection	WCTS Inspection	WCTS Repair, Replacement, & Rehabilitation Techniques	Pump Station Inspection	Pump Station O&M/Repair	Excavation Safety	Work Zone Safety (including Traffic Control)	Information Management, Data Collection, Reporting & Recordkeeping	Safety, Confined Space Entry	Safety, Lockout/Tagout	Safety, General Orientation
Sewer Cleaning	52	21	41	18	19	15	15	30	11	105	118	21	72	1	266
SSO Response	67	21	41	18	20	19	18	31	12	113	124	24	78	1	276
Sewer Pump Station	141	23	64	18	25	19	21	51	12	155	186	44	128	3	531
FOG Inspection	12	1	1		3	5	1	1	1	4	5	5			6
WCTS Inspection	71	21	41	18	24	26	20	35	16	111	125	29	72	1	275
Sewer System Repair and Construction	57	21	41	18	23	25	19	35	16	109	122	26	72	1	271
Private Service Line	2	2	2		2	1		1	1	7	4	12	3		23
Information Management System	90	9	24	5	23	18	12	25	11	83	94	79	62	2	319

Green - Technical and Skill Training required for the Employee Category

Date: 12/31/2020



Attachment 10  
Supplemental Environmental Project (SEP)

**Fort Smith Utility Department**  
**Supplemental Environmental Project (SEP) – Private Service Line**  
**Replacement Program Annual Report for 2020**  
*March 2021*

Table 1 includes the following information regarding the Supplemental Environmental Project (SEP) – Private Service Line Replacement Program as required in Section D, Subparagraph 3 of Appendix F ("Reporting Schedule") of the Consent Decree:

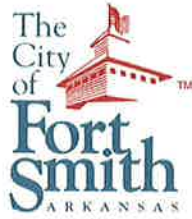
- Deposit of funds to the Escrow account by the City;
- Disbursement of funds from the Escrow account by the Escrow Agent and to whom disbursements are made to pay plumbers/contractors, or eligible property owners or to the City for services completed;
- The current balance of funds held in the Escrow account; and,
- List of locations (addresses) of residential property owners where services have been performed under the SEP program.

<b>Table 1</b> <b>Fort Smith Utility Department</b> <b>Supplemental Environmental Project (SEP) Escrow Journal</b> <b>Private Service Line Defect Remediation Program</b> <b>January 1, 2020, through December 31, 2020</b>					
Date	Description	Owner/Location	Deposit	Disbursement	Balance
1/1/2020	Beginning Market Value				\$ 132,864.02
1/23/2020	To: Blaylock Plumbing	5316 Labelle Ct		\$ 957.00	
1/30/2020	To: Mr. Rooter Plumbing	2709 Lela Ave		\$ 375.00	
2/6/2020	To: River Valley Plumbing	3217 N S St		\$ 424.00	
2/27/2020	To: Mr. Rooter Plumbing	1509 N 36th St		\$ 12,032.98	
4/23/2020	To: Westark Plumbing	4131 Stanard		\$ 1,824.00	
5/21/2020	To: Westark Plumbing	2204 S M St		\$ 5,888.00	
5/21/2020	To: Westark Plumbing	1824 N 33rd St		\$ 1,674.00	
5/21/2020	To: May Avenue Plumbing	823 N 7th St		\$ 3,312.00	
6/4/2020	To: Westark Plumbing	1714 N 8th St		\$ 424.00	
6/18/2020	To: Blaylock Plumbing	2709 Lela Ave		\$ 10,429.00	
7/30/2020	To: Ellis Plumbing	1819 N 8th St		\$ 175.00	
8/20/2020	To: Blaylock Plumbing	3608 S 16th St		\$ 525.00	
8/6/2020	To: Westark Plumbing	4125 N 32nd St		\$ 2,124.00	
10/29/2020	To: Ellis Plumbing	1906 S 11th St		\$ 2,199.00	
11/5/2020	To: Ellis Plumbing	1437 N 29th St		\$ 1,764.00	
11/19/2020	Deposit		\$100,000.00		
12/22/2020	To: River Valley Plumbing	3823 Birnie Ave		\$ 325.00	
12/31/2020	Ending Market Value				\$ 190,238.71

**\*Net gain of \$1,826.67 due to Income Interest and Dividends, Accrued Income, and Unrealized Appreciation.**

A SEP Notification was sent to all customers through City billing cycles in November 2020 to provide I&I summary and project requirements. The notification and additional information about the SEP are posted to the Utility Department web page. Public education for the SEP will continue in 2021 with other notices sent through the customer billing, our web page, and social media.

Attachment 11  
Letters of Notification



March 23, 2020

**Via Electronic Mail (Lisa.Cherup@usdoj.gov)**

Thomas A. Mariani,  
Chief, Environmental Enforcement Section  
Environment and Natural Resources Division  
U.S. Department of Justice  
Box 7611 Ben Franklin Station  
Washington, D.C. 20044-7611  
C/o Lisa Cherup, Esq.

Stacey Dwyer  
Acting Director, Compliance Assurance and Enforcement Division  
U.S. Environmental Protection Agency  
Region 6  
1201 Elm St,  
Dallas, TX 75270  
[dwyer.stacey@epa.gov](mailto:dwyer.stacey@epa.gov)

Deputy Regional Counsel, Enforcement  
U.S. Environmental Protection Agency  
Region 6  
1201 Elm St,  
Dallas, TX 75270

Arkansas Attorney General's Office  
323 Center Street, Suite 200  
Little Rock, Arkansas 72201

Richard Healey  
Enforcement Branch Manager  
ADEQ Office of Water Quality  
5301 Northshore Drive  
North Little Rock, AR 72118  
[healeyr@adeq.state.ar.us](mailto:healeyr@adeq.state.ar.us)

**Re: Force Majeure Notification Due to COVID-19 Pandemic**

Dear Ms. Cherup:

Pursuant to Section XIII (Force Majeure) of the consent decree, we are writing to inform you of the possibility that the City of Fort Smith will be delayed in or prevented from complying with

Utility Department • 801 Carnall Avenue, Suite 500  
Fort Smith, Arkansas 72901  
(479) 494-3939

ongoing requirements of the consent decree due to COVID 19-related impacts. The President declared the pandemic a National Emergency on March 13. While EPA, DOJ, and ADEQ are well aware of the pandemic and its far-reaching implications, we are providing this notice as required under the decree.

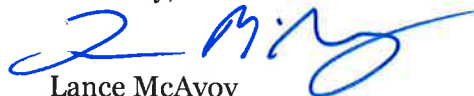
As you know, Fort Smith contends pertinent financial data supports a determination in favor of Fort Smith regarding Article Nine of the consent decree and, further, that pertinent financial data supports Fort Smith's requests for modification of the consent decree. The economic impacts of the declared pandemic confirm and make obvious that Fort Smith is entitled to its requested relief. Further delay in granting the relief will only exacerbate Fort Smith's difficulties in making as many positive improvements to its sanitary sewer system as possible in keeping with the intent of the consent decree. The City's letter of February 17, 2020, provided notice regarding two (2) milestones of the consent decree and the City's remedial actions. The economic and other impacts of the pandemic will delay the described remedies regarding Milestone 1 and Milestone 2. Additionally, because of the pandemic factors, Fort Smith has been forced to suspend 2020 SSA work and FOG inspections. For the same reason, Fort Smith currently is identifying offsets to handle a ten percent (10%) cut in its Utility Department operations budget, which will impact consent decree CMOM programs. The duration of the restrictions on consent decree efforts currently is unknown due to the nature of the force majeure event. Fort Smith will subsequently report as directed by Section XIII (Force Majeure) of the consent decree. As we become aware of additional specific activities or projects that may be delayed, we will provide supplemental notices.

Our ability to comply in a timely fashion has been undermined for several reasons that are beyond our control:

- **First**, like the State and Federal governments, much of our team who can work remotely are doing so. This makes project administration and oversight, contract approval, and project delivery extremely challenging. Even Consent Decree reporting will be affected.
- **Second**, only essential staff are permitted to work onsite and must focus on maintaining critical operations (both at our facilities and in our collection/distribution systems) during this pandemic.
- **Third**, much of our consent decree implementation is consultant and contractor supported. Many consultants have company-imposed travel bans and many of our contractors are subject to the same essential travel/shelter-in-place restrictions as everyone else. In addition, their people are as susceptible to contracting and communicating the virus as the rest of our resident population.
- **Fourth**, many of our ongoing activities are dependent on equipment, materials, and other supplies which either are or will face delivery suspensions or delays.
- **Fifth**, we are no longer shutting off customers' water for failure to pay water/sewer service fees during the pandemic. That will result in a loss of revenue that may affect our ability to issue contracts.

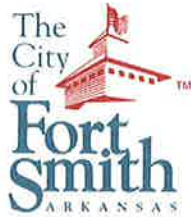
Thank you for your understanding during these unprecedented circumstances. If you have any questions, please contact me at [LanceM@FortSmithAR.gov](mailto:LanceM@FortSmithAR.gov) or (479) 784-2401.

Sincerely,



Lance McAvoy  
Director, Utility Department

C: Mr. Damon McElroy ([mcelroy.damon@epa.gov](mailto:mcelroy.damon@epa.gov))  
Mr. Richard Healey ([HEALEYR@adeq.state.ar.us](mailto:HEALEYR@adeq.state.ar.us))  
Mr. Carl Geffken  
Mr. Paul Calamita  
Mr. Jerry Canfield



June 10, 2020

**Via Electronic Mail (Lisa.Cherup@usdoj.gov)**

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C/o Lisa Cherup, Esq.

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**Re: United States and State of Arkansas v. City of Fort Smith, Arkansas,  
C.A. No. 2:14-cv-02266-PKH COVID-19 Related Force Majeure Follow-on  
Notification**

Dear Ms. Cherup:

Utility Department • 801 Carnall Avenue, Suite 500  
Fort Smith, Arkansas 72901  
(479) 494-3939

We are in receipt of your response to our letter pursuant to Section XIII (Force Majeure) of the consent decree.

As stated in your response, Fort Smith did submit a letter on February 17, 2020, prior to the President's declaration of a national emergency from COVID-19. In this letter the City notified the United States and Arkansas that it had "missed" one deadline set in the CD: the 12/31/2019 deadline for completion of all remedial work set out in the EPA approved remedial measures plan for the 2015 SSA. The City also alerted EPA that it might miss the 3/31/20 deadline for submission of a remedial measures plan for the 2018 SSA. The letter, as required by the consent decree, was to inform all parties, as soon as possible, when it is determined a deadline (milestone) was missed or the potential of missing a milestone exists. This letter was submitted in good faith to apprise all parties of the incomplete 2015 SSA Remedial Measures and the potential to miss the submittal deadline for the 2018 SSA Remedial Measures Plan. We were pleased that the 2018 SSA Remedial Measures Plan was completed and submitted on time with the 2019 Annual Report.

The City also submitted a general force majeure notice regarding our ability to implement the entire consent decree program on March 23, 2020. That notice was also intended to fulfil the consent decree requirement that we alert EPA to any development which may affect our ability to comply. That letter also focused on COVID 19-related issues.

As our counsel has explained via email earlier today, the City cannot comply with the consent decree requirements due to a broad financial inability that has been exacerbated by CV-19 impacts, including record unemployment in our City.

In order to fully evaluate the City's force majeure notice consistent with Paragraph 121 of the CD, EPA requested the City provide the following additional information relating to the delay or prevention of performance under the CD due to COVID-19:

1. A list of all CD injunctive relief requirements (including obligations under the CD terms and plans approved under the CD) that the City believes are being or will be delayed by COVID-19;
 

*Response:* Several of the CD requirements will be delayed and include but are not limited to the following:

  - a. 2020 Sanitary Sewer Assessment (SSA) will not meet the minimum mileage due to reduction in budget due to financial challenges due to COVID-19. This work is revenue (cash) funded.
  - b. Completion of 2015 SSA remedial measures due to in ability to bid and hold bid openings while the City dealt with COVID-19.
  - c. Completion of and 2016 SSA remedial measures due to in ability to bid and hold bid openings while the City dealt with COVID-19, and the economic issues due to decreased revenue and taxes.
  - d. Private Service Line and SEP will be delayed due to issues of meeting with customers who have questions and suspension of all water turn-offs to provide clean water for sanitation (i.e. washing hands).
  - e. FOG Inspections may not meet the required limit as many food service establishments (FSE) closed or reduced service during March 2020 into May 2020. This delayed inspections and will require time to perform inspections as FSEs reopen.



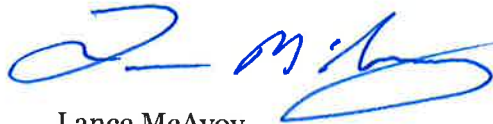
- f. Chemical Root Control Program may be scaled back or pushed to 2021 due to lack of revenue.
  - g. 2020 gravity sewer line cleaning will not meet the minimum mileage due to reduction in budget due to financial challenges due to COVID-19. This work is revenue funded.
2. An explanation of why and how COVID-19 is causing or contributing to the City's delay in meeting each requirement listed in response to item 1;
- Response:* The full duration of the delays are not known. This is based on several factors in which the full impact may not be known for some time. Some of the factors include:
- a. Financial Impact: Fort Smith suspended late fees and water shut off during this time due to increased unemployment and the health impact of not having clean water for sanitation (i.e. washing hands).
  - b. High unemployment rate in Fort Smith of 12.5% has fewer people working and using water which directly impacts revenue. Non-residential usage in the City, like all cities, is down substantially. At the end of May 2020, water volume use was down overall by approximately 15%.
  - c. Due to items a. and b. the City has cut its operating budget by 10.4% and is looking to reduce the budget even more if needed. This could mean another 5% decrease or more in the operation budget due to tax and revenue decreases.
  - d. With decreased revenue and tax funds it is important to allocate the available funds for providing drinking water, maintaining the system and keep it running. Those funds need to go to electrical, gas, chemicals, materials, supplies, etc.
  - e. Several surrounding states prohibited travel during the early stages as did several companies that had contracts with the City. This prevented work from being performed. Even now, several companies have travel restrictions and due to the increase of COVID-19 cases in our area, those may be extended.
  - f. We expect sales tax revenues to have dropped by 80% in April and May from budget, followed by 50% drops from budget in June and July. This would result in a projected 22% overall reduction in sales tax revenues assuming sales tax revenue collections were constant. The 22% reduction could be over four months or it could be a 2.5% reduction each month between April and December (9 months with no compounding since compounding is not applicable). The point is that we don't know and that is why a 10% across the board reduction was implemented and as the above shows, we may need to go back and ask for more. If we do need further reductions, they will come in the form of layoffs and/or have the city run a deficit.
  - g. Finally, for 2020, the state turn back funds that come from the gas tax are projected to decrease by 30%. That impacts our Streets department's work.
3. The anticipated duration of the delay, if known;
- Response:* The full duration of the delays are not known. This is based on several factors in which the full impact may not be known for some time. Some of the factors include:
- a. Financial Impact: Fort Smith suspended late fees and water shut offs during this time due to increased unemployment and the health impact of not having clean water for sanitation (i.e. washing hands).
  - b. The COVID-19 crisis is expected to last through 2020. The impact we are expecting would be over the next 3 to 5 years as the economy works to normalize.

4. Any past or proposed actions the City will take to prevent or minimize the delay; and  
*Response:* Fort Smith is working within its means to do what it can to meet the CD and include but may not be limited to the following:
- a. In house SSA work is still ongoing.
  - b. SSO responses are is happening.
  - c. In house line cleaning is being done to the extent possible. This includes mechanical removal of roots and targeted line cleaning.
  - d. Pump Stations are being maintained.
  - e. SSO reporting is continuing as is the City's Sewer Overflow Emergency Response Plan and Procedures.
  - f. SOPs and Training are still ongoing.
  - g. Repair of flood damage to the WCTS is still progressing as the firms are local.
5. A schedule for taking those actions to prevent or minimize the delay.  
*Response:* The actions we are taking internally to minimize the impact of COVID-19 are ongoing. These include the actions listed in item 4 above. The schedule to mitigate the impacts of COVID-19 on the economy and the effects it has on compliance of the CD, may not be known for some time. We are working to comply as best given the challenges we face.

The City welcomes an open and continuing dialogue with EPA, DOJ, and the State as we all work together to determine the best path forward for the City's sewer improvement program.

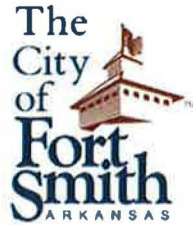
Thank you for your understanding during these unprecedented circumstances. If you have any questions, please contact me at [LanceM@FortSmithAR.gov](mailto:LanceM@FortSmithAR.gov) or (479) 784-2401.

Sincerely,



Lance McAvoy  
Director, Utility Department

C: Mr. Damon McElroy ([mcelroy.damon@epa.gov](mailto:mcelroy.damon@epa.gov))  
Mr. Richard Healey ([HEALEYR@adeq.state.ar.us](mailto:HEALEYR@adeq.state.ar.us))  
Mr. Carl Geffken  
Mr. Paul Calamita  
Mr. Jerry Canfield



February 4, 2021

Via Electronic Mail ([Nicole.Veilleux@usdoj.gov](mailto:Nicole.Veilleux@usdoj.gov))

**Re: United States and State of Arkansas v. City of Fort Smith, Arkansas,  
C.A. No. 2:14-cv-02266-PKH COVID-19 Related Force Majeure Notification**

Dear Ms. Veilleux:

As we enter 2021 the City of Fort Smith, pursuant to Section XIII (Force Majeure) of the consent decree, is providing an update to our COVID-19 Forced Majeure Notification from the update on June 10, 2020, and reaffirming the continuation of the Forced Majeure originally filed on March 23, 2020.

The President has stated in recent weeks that the end of COVID-19 is nowhere in sight and there is little we can do to stem the tide of the outbreaks across the nation. Like utilities nationwide, the City of Fort Smith is being impacted both operationally and financially. Water and wastewater professionals are slotted into group 1C for CV-19 vaccination - with the first scheduled vaccinations coming in April 2021. Water and wastewater contractors may be scheduled even later to receive the vaccine. Fort Smith is located in one of the top five (5) counties for new out breaks of COVID-19. This has also impacted our staff with several team members being out with COVID-19 in addition to key managers who have contracted the virus in recent weeks.

COVID-19 has had an adverse impact on the City's financial health and water and wastewater utility revenue. We are working to recover from the historic 2019 flood, provide critical services for public health and safety, and protect our staff at the same time. To ensure we are providing citizens with the needed services, we suspended turning off water service for nonpayment. This has been helpful for those impacted by COVID-19, however has had an adverse impact on the City's water and sewer revenue.

As we stated in our June 10, 2020, response to EPA's request on what items may be deferred to comply under the Consent Decree (CD) due to COVID-19, we are still working to comply to the very best of our ability. However, we have not met compliance in several areas due to the impact of COVID-19. As the City has fallen behind in the requirements and milestones for 2020, the City will not be able to meet certain milestones outlined for 2021 in the CD due to COVID-19.

In order to fully evaluate the City's force majeure notice consistent with Paragraph 121 of the CD, the City is providing the following additional information relating to the delay or prevention of performance under the CD due to COVID-19:

1. Several of the CD requirements will be delayed and include but are not limited to the following:
  - a. 2021 Sanitary Sewer Assessment (SSA) will not meet the minimum mileage due to reduction in revenue due to financial challenges due to COVID-19. This work is revenue funded and cannot be funded by bond due to the bond covenant.
  - b. Completion of all 2016 and 2017 SSA remedial measures due to both the inability to bid and hold bid openings while the City dealt with COVID-19, and the economic issues due to decreased revenue and taxes.
  - c. Private Service Line and SEP will be delayed due to issues of meeting with customers who have questions and suspension of all water turn-offs to provide clean water for sanitation (i.e. washing hands).
  - d. Chemical Root Control Program may be scaled back or pushed to 2022 due to lack of revenue. This work is revenue funded and cannot be funded by bond due to the bond covenant.
  - e. 2021 gravity sewer line cleaning will not meet the minimum mileage due to reduction in budget due to financial challenges due to COVID-19. This work is revenue funded and cannot be funded by bond due to the bond covenant. [Note: can we give them an approximate as to the amount of mileage we expect to clean?]
2. The full duration of the delays are not known. This is based on several factors in which the full impact may not be known for some time. Some of the factors include:
  - a. Financial Impact: Fort Smith suspended late fees for most of 2020 and has not yet reinstated water shut off during this time due to increased unemployment and the health impact of not having clean water for sanitation (i.e. washing hands).
  - b. With decreased revenue and tax funds it is important to allocate the available funds for providing drinking water, maintaining the system and keep it running. Those funds need to go to electrical, gas, chemicals, materials, supplies, etc.
- d. The COVID-19 crisis is expected to last through end of 2021. The impact we are expecting would be over the next 3 to 5 years as the economy works to normalize.
3. Fort Smith is working within its means to do what it can to meet the CD including but not be limited to the following:
  - a. In house SSA work is still ongoing.
  - b. SSO responses are is happening.
  - c. In house Line cleaning is being done to the extent possible. This includes mechanical removal of roots and targeted line cleaning.
  - d. Pump Stations are being maintained.
  - e. SSO reporting is continuing as is the City's Sewer Overflow Emergency Response Plan and Procedures.
  - f. SOPs and Training are still ongoing.
  - g. Repair of flood damage to the WCTS is still progressing as the firms are local.
4. The actions we are taking internally to minimize the impact of COVID-19 are ongoing. These include the actions listed in item 4 above. The schedule to mitigate the impacts of COVID-19 on the economy and the effects it has on compliance of the CD, may not be known for some time. We are making best efforts to comply despite the unprecedented challenges we face.

The City welcomes an open and continuing dialogue with EPA, DOJ, and the State as we all work together to protect public health and the environment. Additional detail about our efforts to comply will be provided in the next couple of days through a separate writing.

Thank you for your understanding during these unprecedented circumstances. If you have any questions, please contact me at [LanceM@FortSmithAR.gov](mailto:LanceM@FortSmithAR.gov) or (479) 784-2401.

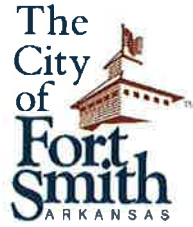
Sincerely,



Lance McAvoy  
Director, Utility Department

C: Mr. Damon McElroy ([mcelroy.damon@epa.gov](mailto:mcelroy.damon@epa.gov))  
Mr. Richard Healey ([HEALEYR@adeq.state.ar.us](mailto:HEALEYR@adeq.state.ar.us))  
Kristine Talbot, US EPA Region 6 ([talbot.kristine@epa.gov](mailto:talbot.kristine@epa.gov))  
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Christina Baker, AR AG's Office ([christina.baker@arkansasag.gov](mailto:christina.baker@arkansasag.gov))  
Chuck Harder, AR AG's Office ([chuck.harder@arkansasag.gov](mailto:chuck.harder@arkansasag.gov))  
Mr. Carl Geffken  
Mr. Paul Calamita  
Mr. Jerry Canfield





March 16, 2021

Chief Environmental Enforcement Section  
Environment and Natural Resources Division  
U.S. Department of Justice  
Box 7611 Ben Franklin Station  
Washington, D.C. 20044-7611  
Re: DOJ 90-5-1-1-08677

Director, Compliance Assurance and Enforcement Division  
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Mail Code (6EN)  
Dallas, Texas 75202

Deputy Regional Council, Enforcement  
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Arkansas Attorney General's Office  
323 Center Street, Suite 200  
Little Rock, Arkansas 72201

Director  
Arkansas Department of Environmental Quality  
5301 Northside Drive  
North Little Rock, Arkansas 72118-5317

**Subject: Noncompliance with Consent Decree Milestones in 2020**

Reference: Section Six (VI) of Consent Decree  
United States of America and State of Arkansas v. City of Fort Smith, Arkansas  
United States District Court, Western District of Arkansas - Case 2:14-cv-2266-PKH

Dear Sir or Madam;

As stated in the City's follow-up force majeure letter on June 10, 2020, and subsequent communications, the City was aware we would not meet all of the milestones as required by the Consent Decree. This letter is to fulfill the requirements of the Consent Decree to notify the regulatory agencies of all areas of not compliance with the Consent

Decree. As we did not meet the entire compliance requirements for 2020, we also wish to remind the agencies that we are unable to meet all of the compliance requirements for 2021.

*Missed Milestone 1*

As per paragraph 10a, the City is to have completed 300 miles of sanitary sewer assessment (SSA) by the end of 2020. The City was only able to complete a total of approximately 287.15 miles of SSA. The failure to meet the required mileage was directly the result of COVID-19. COVID-19 impacted the hiring of contractors to perform the SSA work. It also negatively impacted the revenue to fund the work as well.

*Missed Milestone 2*

As per paragraph 10b, the City is to have completed a minimum of 40 miles of sanitary sewer assessment (SSA) each calendar year. The City was only able to complete a total of approximately 21.75 miles of SSA by using internal staffing. The failure to meet the required mileage was directly the result of COVID-19. COVID-19 impacted the hiring of contractors to perform the SSA work. It also negatively impacted the revenue to fund the work as well.

*Missed Milestone 3*

As per paragraph 18, the City is to have completed all 2016 SSA remedial measures work by December 31, 2020. Due to the COVID-19 Pandemic National Health Emergency, only one (1) sub-basin of six (6) was completed in 2020. One (1) additional sub-basin is under contract but the remaining sub-basins are not scheduled for bidding due to lack of funding.

*Missed Milestone 4*

As per paragraph 18, the City is to complete all 2017 SSA remedial measures work by December 31, 2021. The City was compelled to defer fully designing these remedial measures for the 2017 SSA until the 2017 remedial measures plan (RMP) was approved by EPA. Although the Consent Decree states, "City may commence design and construction of Conditional Remedial Projects identified prior to approval of the Remedial Measure Plan", the City waited to avoid wasting limited financial resources on engineering and construction projects only to have EPA not approve the RMP. The approval of the 2017 RMP was not received until January 22, 2021. To complete the design and construction required to implement the 2017 SSA RMP is impossible due to the delay in EPA's review. Thus the requirement to meet the December 31, 2021, requirement for the 2017 SSA work will be missed. Also, the City did not want the designs to become stale as we still have projects from the 2016 remedial measures plan yet to be implemented.

*Supplemental Environmental Project*

Appendix F, Paragraph D, subparagraph 2., last sentence states, "The City shall use best efforts to ensure that the SEP is performed expeditiously and that at least 50% (\$200,000) of the SEP funds are issued to or expended on behalf of eligible participants within six (6) years of the Effective Date of the Consent Decree." The City has and continues to make every effort to help citizens who qualify for the SEP funds to apply and utilize the funds properly. As of the end of 2020 (the first six (6) years) only \$127,300.88 has been utilized. Although this is not technically a missed milestone as the City has used "best efforts to ensure that the SEP" funds have been issued or expended, the City wanted to provide this information in a spirit of transparency and cooperation with the parties involved.

Respectfully,

A handwritten signature in blue ink, appearing to read "Lance A. McAvoy". The signature is fluid and cursive, with a long horizontal stroke at the end.

Lance A. McAvoy, Utility Director  
City of Fort Smith, Arkansas

cc: Carl E. Geffken  
Jeff Dingman  
Jerry Canfield  
Paul Calamita  
John Pruss  
Robert Roddy