

FIRST ANNUAL REPORT
(PERIOD: APRIL 1, 2016 TO DECEMBER 31, 2017)

THIRD SEMI-ANNUAL REPORT
(PERIOD: JULY 1, 2017 TO DECEMBER 31, 2017)

AND

SEVENTH QUARTERLY REPORT
(PERIOD: OCTOBER 1, 2017 TO DECEMBER 31, 2017)

PARTIAL CONSENT DECREE CASE NO. 4:16-CV-00018
CITY OF GREENVILLE, MS

SUBMITTED TO:

U.S. Environmental Protection Agency, Region 4
Clean Water Enforcement Branch
61 Forsythe Street, S.W.
Atlanta, GA 30303-8960



January 31, 2018
Amended June 8, 2018



W.L.BURLE

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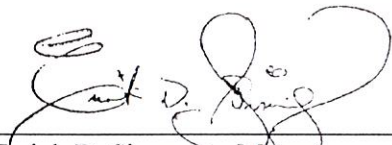
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CERTIFICATION

First Annual Report, Third Semi-Annual Report and Seventh Quarterly Report
Partial Consent Decree
City of Greenville, MS

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 such information, the information submitted 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.



Errick D. Simmons, Mayor

June 8, 2018

Date

File Name: First Annual Report

Dennis Sayre, EPA Region IV
Sara Janovitz, EPA Region IV
Les Herrington, P.E., MDEQ
Mayor Errick D. Simmons

SECTION I

OVERVIEW OF PARTIAL CONSENT DECREE

On April 4, 2016, a Partial Consent Decree, issued by the United States of America on behalf of the United States Environmental Protection Agency (EPA) to the City of Greenville, Mississippi (CITY), became effective. The Partial Consent Decree (PCD) cited the CITY for violations to both their National Pollutant Discharge Elimination System (NPDES) Permit and the Clean Water Act (CWA) over a period of time from 2007 to 2012. The PCD also outlined assessment and corrective actions to be implemented by the CITY over a six (6) year period to bring the CITY's Group 1 & 2 Sanitary Sewer Systems into compliance (See Figure 1 – Gantt Chart).

- End of Section -

SECTION II

ACTIONS TAKEN DURING PERIOD

Prior to and during the First Annual Period, the CITY initiated the following actions:

1. Early Action Project (EAP) – The EAP is a project consisting of sewer improvements which were identified by EPA and agreed upon by the CITY early in the PCD process. These improvements are described in the PCD under Section VII Paragraph 19. The CITY retained W.L. Burle Engineers, P.A. (BURLE) of Greenville, MS for the project.

A description of the various projects under the EAP and the status of each is listed below:

- a. EAP Contract No. 1 – Trailer Mounted By-Pass Pumps – The CITY bid this phase of work in June/July 2015, ~9 months prior to the effective date (April 4, 2016) of the PCD. The contract was awarded to Hydra Services, Inc. of Pelahatchie, MS. The project cost was \$218,601.00. Hydra Services delivered the by-pass pumps to the CITY and satisfied the terms of the contract on November 17, 2015.
- b. EAP Contract 2 – Quick Disconnect (QD) Piping, Hoses and Fittings – The CITY also bid this phase of work in June/July 2015, ~ 9 months prior to the effective date of the PCD. The contract was awarded to Hydra Services. The project cost was \$66,223.00. Hydra Services delivered the QD piping, hoses and fittings to the CITY and satisfied the terms of the contract by November 17, 2015.
- c. EAP Contract 3 – Pump Station Auxiliary Power Units – The project consisted of the installation of natural gas-fired, auxiliary power units at the CITY's five (5) major pump stations: Hancock, Mary, Daniel, Tennessee Gas and South Theobald. The CITY bid this phase of work in September/October 2015, ~7 months prior to the effective date of the PCD. The contract was awarded to Scott Electric Company of Greenville, MS. The project cost was \$976,637.68. Scott Electric installed the power units and satisfied the terms of the contract by June 28, 2016.

- d. EAP Contract 4A – Wastewater Treatment Plant (WWTP) Ultra Violet (UV) Disinfection System Project – The project consisted of the installation of a new UV disinfection system. The CITY bid this phase of work in May/June 2016. The CITY awarded the contract to Hemphill Construction Company of Florence, MS. The project cost was \$1,693,701.00. The project was completed on April 16, 2017.
- e. EAP Contract 4B – WWTP Process Piping Project – The project consists of the replacement of a 54" pipeline from the WWTP aeration basin to the clarifier distribution box and other miscellaneous piping. The CITY bid this project in April/May 2017. The CITY awarded the contract to Hemphill Construction Company. The anticipated construction cost is \$1,199,720.00. The contractual completion date is January 6, 2018.
- f. EAP Contract 5 – Pump Station Improvement Project – The project consists of the installation of seventy-eight (78) Supervisory Control and Data Acquisition (SCADA) systems, ninety-one (91) flow meters, thirty-seven (37) force main by-pass ports and associated appurtenances. The CITY bid the project in April/May 2017. The CITY awarded the contract to Avis Construction Company (AVIS) of Greenville, MS. The anticipated construction cost is \$1,854,901.57. The contractual completion date is January 23, 2018. *(Note: On January 12, 2018, due to issues outside of the contractor's control regarding the delivery of the flow meters and changes in site condition, a change order (Change Order No. 3) was executed and the contract time was extended by ninety (90) days. The revised completion date is April 23, 2018.)*
- g. EAP Contract 6 – WWTP Electrical Sub-Station Improvements – The project consisted of the re-building of the WWTP's electrical sub-station. This project was not a part of the PCD EAP but was added to the CITY's EAP MDEQ/State Revolving Fund (SRF) loan in order to expedite construction. The CITY bid this phase of work in May/June 2016. The CITY awarded the contract to McInnis Electric of Byram, MS. The construction cost was \$752,806.00. The project was completed on May 31, 2017.
- h. EAP Contract 7 – Pump Station Wet-Well Rehabilitation Project – The project consists of the assessment, cleaning and rehabilitation of two (2) of the CITY's major pumping station wet wells, Hancock (PS 5) and South Theobald (PS 17). This project is not a part of the PCD EAP, however, as

with EAP Contract 6, it was added to the MDEQ SRF loan to expedite construction. The CITY bid the project in April/May 2017. The CITY awarded the project to Hemphill Construction Company. The anticipated construction cost is \$402,710.70. The contractual completion date is January 6, 2018.

2. Sanitary Sewer Evaluation Study (SSES) Projects – The SSES projects consist of sanitary sewer assessment activities. They consist primarily of gravity sewer video, smoke testing and manhole inspection services but also include force main assessment and pump station inspection activities. These activities are described in the PCD under Section VII Paragraph 20.

A description of the various SSES projects and the status of each are listed below:

- a. SSES Projects – Given the PCD’s ambitious schedule, the CITY elected to implement SSES work in advance of EPA’s formal approval of the SSER Work Plan. The CITY retained BURLE as the engineer for the projects. The following is a list of the CITY’s SSES projects:
 - 1) SSES 1 – SSES 1 was a SSES for three (3) Group 1 residential sub-divisions: West Terrace Gardens, McIntyre and Nelson. The CITY bid this project in January/February 2015, ~1.2 years prior to the effective date of the PCD. The CITY awarded the contract to SunCoast Infrastructure of Florence, MS. The project consisted of video/smoke testing of 16,076 l.f. of gravity sewer and the inspection 62 manholes. The work was completed in August 2015 at a cost of \$72,760.50.
 - 2) SSES 2 – SSES 2 was a SSES project for three (3), Group 1 residential/industrial areas: Belmont, Broadway Place and North Broadway Industrial District (NBID). The project consisted of the video/smoke testing of 26,860 l.f. of gravity sewer and the inspection of 105 manholes. The CITY bid the project in January 2016, ~2 months prior to the effective date of the PCD. The CITY awarded the project to Gulf Coast Underground (GCU) of Mobile, AL. The work was substantially completed in June 2017. The project cost to-date is \$114,845.90. *(Note: In August 2017, a change order (Change Order No. 1) was executed under this contract to clean the pump station wet wells at Broadway/Sampson (PS 2), Townsend/Sampson (PS 3) and Wildwood Road (PS 41)*

and extend the completion date to December 15, 2017. The work was completed prior to the completion date.)

- 3) SSES 3 – SSES 3 is a SSES project for the remaining Group 1 Mini-System gravity sewers. The project consists of the video/smoke testing of 400,650 l.f. of gravity sewer and the inspection of 1,339 manholes. The CITY bid the project in April/May 2016. The CITY awarded the project to GCU. The work is on-going with a contractual completion date of November 8, 2017. *(Note: Change Order No. 1 extended the completion date to February 6, 2018.)* The project cost is \$1,741,450.25.
- 4) SSES 4 – SSES 4 is a SSES project for all of the Group 2 Mini-System gravity sewers. The project consists of the video/smoke testing of 290,640 l.f. of gravity sewer and the inspection of 935 manholes. The CITY bid the project in August/September 2016. The CITY awarded the project to SunCoast Infrastructure of Florence, MS. The work is on-going with a contractual completion date of March 16, 2018. The project cost is \$1,618,184.00. *(Note: In August 2017, a change order (Change Order No. 1) was executed under this contract to clean the pump station wet wells at Sessions Road (PS 1a) and Fairgrounds Road (PS 52).)*
- 5) SSES 5 – The CITY has initiated an early SSES 5 contract for the Hancock Pump Station (MS2/PS5) force main. The CITY hired Pure Technologies, Ltd. (PURE) of Atlanta, GA to assess the 2.45 mile long force main using a SmartBall™ device. The assessment was performed in December 2016 and the inspection report was submitted to the CITY on February 8, 2017. In summary, the assessment found that the force main was not leaking; however, it found a total of 28 gas pockets along the run.

The remaining SSES 5 projects, which consist of Group 1 pump station/force main assessment activities, was scheduled after the force main by-pass ports are installed under EAP Contract 5. The bid date was December 20, 2017. The apparent low bidder was GCU. The CITY has submitted the bid to the Public Works Committee for review in January 2018.

- 6) SSES 6 – As with SSES 5, the SSES 6 projects, which consist of Group 2 pump station/force main assessment activities, will be scheduled after the by-pass ports are installed under EAP Contract 5. The bid phase is tentatively scheduled for January/February 2019. The work will be performed as described in the SSER Work Plan.
- 7) SSES 7 – Also, as with both SSES 5 and SSES 6, the SSES 7 projects, which consist of Group 3 sanitary sewer assessment activities, will be scheduled after the by-pass ports and SCADA systems are installed under EAP Contract 5. The work will be performed as described in the SSER Work Plan.

During the interim, BURLE has initiated pump station evaluations in two (2) Group 3 Mini-Systems: MS 31a (Greenville Industrial Park) and MS 33 (Mid-Delta Regional Airport). These systems were selected due to both the large number of abandoned industrial buildings and the large number of demolished structures located within both mini-systems; such conditions have the potential for open/damaged sewer laterals and their associated inflow.

The pump station evaluations consist of monitoring the pump station hour meters on a scheduled basis and after rainfall events. The data are tabulated and vetted to identify those basins which may be processing excessive inflow. The work is scheduled to begin no later than September 2018.

In summary, with the award of the SSES 1, 2, 3, and 4 contracts, the CITY now has retained companies to assess all of the Group 1 & 2 gravity sewer systems stipulated in the PCD. As noted earlier, contracts must now be awarded for the assessment of the Group 1 & 2 pump stations/force mains which will be managed under SSES 5 and SSES 6, respectively. SSES 7 will evaluate the Group 3 mini-systems such that an opinion of the systems' conditions can be furnished to EPA by the December 31, 2019 delivery date.

3. Mini-System Rehabilitation Project (GROUP REHAB) – The GROUP 1 and 2 REHAB Projects are discussed under PCD Section VII Paragraph 21 and consist of Group 1 Mini-System rehabilitation projects which were identified during

SSES 1/SSES 2/SSES 3/SSES 5 and Group 2 Mini-System rehabilitation projects which were identified during SSES 4/SSES 6.

The CITY has already identified five (5) projects ahead of the completion of SSES projects. These projects include work located in all three Groups (1/2/3). These projects are listed below:

- a. Hancock Pump Station Force Main Project – The Hancock Pump Station force main serves four (4) pump stations: Hancock (PS 5), Percy (PS 7), Union (PS 55), and Phelps (PS 16). The force main was not originally designed to serve these four stations. The Percy, Union and Phelps pump stations were originally built with dedicated force mains, as was the Hancock station. Several decades ago, during emergency force main repair work, the force mains were connected to the Hancock force main; repairs to the damaged force mains were never made and the stations have remained on the Hancock force main since.

The problem with this manifolded system is the Percy and Union stations operate under higher pressures than the primary, Hancock station. During rain events, when inflow becomes an issue and the pump run-times increase, the Percy and Union pump stations control the force main and force the Hancock pump station to operate at a higher pressure and lower flow rate, thus reducing the pumping capacity of one of the CITY's five major pump stations.

The CITY is planning to install a new force main for the Hancock station. The proposed project will consist of the construction of a new 2.45 mile long, 18" force main for the Hancock pump station and the conversion of the existing 16" force main to a manifolded, force main for the Percy, Union and Phelps pump stations. Provisions will be made in the design to construct a valved, cross-connection between the force mains for use during emergency repair events. Also, air relief valves will be installed at critical high points in the existing Hancock force main to address the gas pockets identified during the PURE/SmartBall assessment (See Section II, 2, a, 5). The estimated cost of the project is \$4,900,000.00.

- b. WWTP Improvement Project – A WWTP Improvement Project is being developed. The project's scope, cost and schedule will be itemized in an engineering report (Facility Plan No. 2) and delivered to the CITY during

the 1st Quarter of 2018. The following is a breakdown of the proposed improvements:

- 1) WWTP Grit Chamber Rehabilitation Project – The existing WWTP grit chamber is not removing the grit and sand as originally designed. The project will involve rebuilding the grit chamber which is original to the WWTP.
 - 2) Aeration Basin Valve Replacement Project – All inoperable valves located along the north side of the aeration basin will be replaced with new pinch valves.
 - 3) Influent Pump Station Project – The existing influent pump station will be re-built. The work will involve:
 - Installing an emergency standby, motor-driven pump;
 - Replacing an inoperable shaft-driven pump with a dry pit, submersible unit; and
 - Installing a Variable Frequency Drive (VFD) control panel for the new, dry pit submersible pump.
 - 4) Effluent Pump Station Project – The existing effluent pump station will also be re-built. The work will involve:
 - Replacing two (2) of the existing pumps;
 - Installing three (3) VFD controls for the effluent pumps; and
 - Installing an emergency, standby, motor-driven pump.
 - 5) Return Activated Sludge (RAS) Pump Project – One of the three RAS pumps is inoperable and will be replaced.
 - 6) Sludge Removal & Disposal – The sludge in Sludge Lagoon No. 2 needs to be removed. The sludge will be transported to either a sub-titled landfill or land application site for disposal.
- c. Pump Station Rehabilitation Project – The existing dry pit piping systems are in need of replacement and/or reconfiguration in three (3) pump stations: Daniel Street (PS 40), Carrie Stern (PS 10) and South Percy Street (PS 7). The scope, schedule and cost for this project will be

outlined in Facility Plan No. 2 which will be submitted to the City during the 1st Quarter of 2018.

- d. Pump Station Reconstruction Project – Six (6) existing pump stations will be completely reconstructed. They are: Essex/Oxford Street (PS 46), Mary Street (PS 66), Vessel of Mercy (PS 67), Nottingham Apartments (PS 57), Naples Street (PS 58) and Union Street (PS 55). The scope, schedule and cost will be outlined in Facility Plan No. 2 which will be submitted to the City during the 1st Quarter of 2018.
 - e. Force Main Reconstruction Project – Two (2) pump stations, Mary Street (PS 34) and Wildwood Street (PS 41), have force mains and associated gravity sewers (MH 53-103 to MH 53-113) which need to be reconfigured and/or re-built to meet their design capacity. As with the other projects mentioned earlier, the scope, schedule and costs will be outlined in Facility Plan No. 2 and submitted to the City during the 1st Quarter of 2018.
 - f. South Main Pipe Bursting Project - The project's scope will be to remove the bottleneck that exists in the gravity sewer between MH 53-108 and MH 53-103. A pipe bursting method will be used to meet the system's design capacity. The engineer's preliminary cost estimate is \$447,843. The scope, schedule and cost for this project will be outlined in Facility Plan No. 2 which will be submitted to the City during the 1st Quarter of 2018.
4. On-Going Operation and Maintenance (O&M) Projects – The following projects are on-going sanitary sewer O&M projects which address deficiencies with the sanitary sewer system but fall outside the PCD schedule:
- a. Emergency Manhole Repair Project – During the 2016 spring flooding events, the CITY retained BURLE to inventory damaged manholes. Most of the damaged manholes were in low-lying areas near open ditches or agricultural fields and were, therefore, susceptible to inflow. The damage pertained primarily to broken manhole lid seals, misaligned lids/sections and/or inaccessibility (manholes covered with asphalt pavement).

As noted in the First Semi-Annual Report, the CITY awarded an initial emergency manhole repair contract to AVIS in March 2016. In June 2016, the CITY awarded a six month construction contract to Mixon

Construction Company (MIXON) of Greenville, MS to repair the balance of the damaged manholes. The six-month construction contracts were bid again and, in January and July 2017, were again awarded to MIXON.

Through the end of this reporting period, a total of 645 manholes have either been repaired or are scheduled for repairs. These manholes are located throughout the CITY (Group 1 (372 manholes), Group 2 (128 manholes) and Group 3 (145 manholes)).

- b. Emergency Pump Station Rehabilitation Projects – Upon execution of Clearwater Solutions, LLC (CLEARWATER) public works contract with the CITY, CLEARWATER inspected the CITY's pump stations and identified pump deficiencies needing immediate attention. These pump stations are listed below:

- 1) South Theobald Street (PS 17)
- 2) East Alexander Street (PS 23)
- 3) Carrie Stern School (PS 10)
- 4) Percy Street (PS 7)
- 5) South Beauchamp Avenue (PS 27)
- 6) Mary Street (PS 34)
- 7) Daniel Street (PS 40)
- 8) Annie Stokes Road (PS 49)
- 9) VFW Road (PS 67)
- 10) Nottingham Apartments (PS 57)
- 11) Grenada Farms (PS 8)

During the February 21, 2017, council meeting, CLEARWATER brought the situation to the attention of the CITY. The CITY declared the situation an emergency and authorized the procurement of emergency funds (up to \$700,000.00) to finance the work.

Funds have been obtained and the work is on-going. The anticipated completion date is February, 2018.

- c. WWTP Secondary Clarifier Repair Project – On August 19, 2016, one of the WWTP's four secondary clarifiers (Clarifier No. 3) experienced a mechanical failure. An inspection of the clarifier revealed that a torque limiter switch failed to initialize after the algae sweep arm hung on the V-notched weir. This allowed the rake arm to continue its sweep, causing

the arm to bend/deform to the point that the motor overload switch engaged and shut down the motor.

The CITY retained Industrial Services, Inc. (ISI) of Greenville, MS to make the repair. The CITY filed an insurance claim, purchased the replacement parts (~\$168,600.00) and provided them to ISI for installation. The system was repaired and put back into operation in May 2017.

The three remaining clarifiers met demand and remained operational throughout the repair period.

- d. Surge Arrestor Project – Due to electrical fluctuations on our local grid, surge arrestors are needed to serve the five (5) emergency generators which were installed under EAP Contract No. 3.
- e. Private Utilities Point Repair Project - The CITY has identified numerous point repairs during the SSES's 1/2/3/4. Many of these are due to private utility companies (Atmos, Entergy, Inline, etc.) horizontally drilling through the sanitary sewer system as they were installing their underground utilities. As these breaches are discovered, the CITY contacts MS One Call and requests a utility locate; this allows the CITY to identify the utility responsible for the damage. The CITY then meets with the responsibility private utility company, presents the video which shows the damage and works with the utility to both repair the sewer and reinstall the utility above or below the CITY's sewer system.

As of December 31, 2017, the CITY has identified thirty-two (32) damaged sewer point repairs and the utility companies have repaired nine (9) of them.

- f. Private Lateral Repair Project – SSES's 1/2/3/4 have also identified damaged sewer laterals. When damaged laterals are encountered on CITY/STATE owned properties, the CITY authorizes MIXON, under a six (6) month contract, to make the repairs. If the lateral serves a lot where the house has been razed, MIXON plugs the lateral within the right-of-way/easement. If the building is still habitable, the lateral is simple repaired.

As of December 31, 2017, a total of 14 sewer laterals have been repaired/plugged in this manner.

5. Capacity, Management, Operations and Maintenance (CMOM) Program – The CMOM Program consists of various programs related to the O&M of the sanitary sewer system. These programs, which are currently in various stages of development, are described below:
 - a. Sewer Overflow Response Plan (SORP) and Emergency Response Plan (ERP) – The SORP and ERP are described in PCD under Section VII Paragraph 23a and 23a (5), respectively. The CITY retained BURLE to prepare drafts of both documents. The documents received an informal review by EPA prior to the stipulated thirty (30) day public comment period (PCD Section VI Paragraph 9). Two (2) public hearings were held; there were no comments. The documents were then formally submitted to EPA on February 10, 2017. EPA approved both documents in correspondence dated August 22, 2017.
 - b. Fats, Oils and Grease (FOG) Control Program – The CITY retained BURLE to prepare a FOG Control Program pursuant to PCD Section VII Paragraph 23.g. The document received an informal review by EPA prior to the stipulated thirty (30) day public comment period (PCD Section VI Paragraph 9). Two (2) public hearings were held; there were no comments. The document was then formally submitted to EPA on June 1, 2017, and is, as of the end of this reporting period, still being reviewed.
 - c. Pump Station Operations and Preventive Maintenance Program – The CITY retained BURLE to prepare a draft Pump Station Operations and Preventive Maintenance Program (PSOPMP). BURLE has compiled an inventory and specification sheet of all pump stations in the CITY. Each station is being described by location, type, pumping units, controls and size. The draft program was submitted to EPA on December 20, 2017.
 - d. Information Management System (IMS) Program – The CITY retained CLEARWATER to update and maintain the IMS Program. The work is ongoing.
 - e. Sewer Mapping Program – The CITY retained CLEARWATER to develop the Sewer Mapping Program. BURLE is providing field services as needed. The work is ongoing.

- f. Corrosion Control Program (CCP) – The CITY retained BURLE to prepare a draft CCP. EPA has performed an informal review of the draft CCP and provided comments. The document was submitted to EPA on September 6, 2017, and, as of the end of this reporting period, is currently being reviewed.
- g. Legal Support Program – The City is in the process of developing the Legal Support Program. The CITY has secured the services of Lake Tindall, LLC of Greenville, MS and Mr. Jimmy Palmer of Oxford, MS to prepare the program. The program will include:
 - 1) An amended sewer ordinance;
 - 2) A Grease Control Legal Support Program;
 - 3) An enforcement response guide; and
 - 4) A Private Lateral Legal Support Program.
- h. Gravity Sewer System Operations and Maintenance Program – The CITY retained BURLE to prepare a draft Gravity Sewer System Operations and Maintenance Program (GSSOMP). The work is on-going. The document will be formally submitted to EPA on or before the March 31, 2018 deadline.

A summary table (Table 2.1) of the status of each PCD task is referenced on the following page. Actual and contractual completion dates are shown as well as projected completion dates for those tasks which have not yet been initiated. The corresponding PCD deadlines are shown for comparison purposes.

- End of Section -

TABLE 2.1 SUMMARY OF PCD TASKS TO DATE

PROJECT/TITLE	DESIGN/DEVELOPMENT PHASE	EPA AND/OR MDEQ APPROVAL	BID PHASE	IMPLEMENTATION PHASE	COMPLETION DATE	PARTIAL CONSENT DECREE DEADLINE	PCD COMPLIANT
EAP/Contract 1 – Trailer Mounted By-Pass Pumps Project	X	X	X	X	11/17/15	12/31/19	✓
EAP/Contract 2 – QD Piping, Hoses & Fittings Project	X	X	X	X	11/17/15	12/31/19	✓
EAP/Contract 3 – Pump Station Auxiliary Power Units Project	X	X	X	X	06/28/16	12/31/19	✓
EAP/Contract 4A – WWTP UV Disinfection System Project	X	X	X	X	04/16/17	12/31/19	✓
EAP/Contract 4B – WWTP Process Piping Project	X	X	X	X	01/06/18*	12/31/19	
EAP/Contract 5 – Pump Station Improvements Project	X	X	X	X	11/24/17*	12/31/19	
EAP/Contract 6 – WWTP Electrical Substation Project	X	X	X	X	05/31/17	06/30/21	✓
EAP/Contract 7 – Pump Station Wet Well Rehab Project	X	X	X	X	01/06/18*	06/30/21	
SSER Work Plan	X		---	X	01/22/16	12/31/17	✓
SSES1 – Group 1 (W. Terrace/Nelson/McIntyre)	X		X	X	08/01/15	09/30/18	✓
SSES 2 – Group 1 (Belmont/Broadway Place/NBID)	X		X	X	02/15/17	09/30/18	✓
SSES 3 – Group 1 Mini-Systems (Gravity)	X		X	X	02/06/18*	09/30/18	
SSES 4 – Group 2 Mini-Systems (Gravity)	X		X	X	03/16/18*	03/31/20	
SSES 5 – Hancock Pump Station Force Main	X		X	X	02/08/17	09/30/18	✓
SSES 5 – Group 1 Mini-System Pump Stations/FM's	X				09/30/18**	09/30/18	
SSES 6 – Group 2 Mini-System Pump Stations/FM's	X				03/31/20**	03/31/20	
SSES 7 – Group 3 Mini-Systems	X				12/31/19**	12/31/19	
CMOM/SORP	X		---		02/10/17	03/31/17	✓
CMOM/ERP	X		---		02/10/17	03/31/17	✓
CMOM/IMS Program	X		---		03/31/19**	03/31/19	
CMOM/Sewer Mapping	X		---		09/30/18**	09/30/18	
CMOM/PSOPMP	X		---		12/20/17	12/31/17	✓
CMOM/Corrosion Control	X		---		09/06/17	09/30/17	✓
CMOM/FOG Control Program	X		---		06/01/17	06/30/17	✓
CMOM/GSSOMP	X		---		03/31/18**	03/31/18	
CMOM/Inventory Management System	X		---		12/31/18**	03/31/18	
Financial & Cost Analysis Program			---		03/31/18**	03/31/18	
Legal Support Program	X		---				
O&M Project/Emergency MH Repair Project	X	---	X	X		N/A	N/A
O&M Project/Emergency Pump Station Rehabilitation Project	X	---	X		02/28/18**	N/A	N/A
O&M Project/WWTP Secondary Clarifier Repair Project	X	---	---		05/15/17	N/A	N/A
O&M Project/Surge Arrestor Project	X	---			06/30/21**	N/A	N/A
O&M Project/Private Utilities Point Repair Project	X	---			06/30/21**	N/A	N/A
O&M Project/Private Lateral Repair Project	X	---	X		06/30/21**	N/A	N/A
GROUP 1 REHAB/Virden S/D Improvement Project	X	X	X	X	06/01/16	06/30/21	✓
GROUP 1 REHAB/Hancock Pump Station FM Project	X				06/30/21**	06/30/21	
GROUP 1 REHAB/WWTP Improvement Project	X				06/30/21**	06/30/21	
GROUP 1 & 3 REHAB/Pump Station Rehab Project	X				06/30/21**	06/30/21	
GROUP 1/2/3 REHAB/Pump Station Reconstruction Project	X				06/30/21**	06/30/21	
GROUP 1 REHAB/Force Main Reconstruction Project	X				06/30/21**	06/30/21	

* Contractual Completion Date

** Projected Completion Date

SECTION III

SANITARY SEWER OVERFLOW (SSO) TREND ANALYSIS

Upon tabulating and mapping of all Sanitary Sewer Overflows (SSOs), the following information and trends were observed for the First Annual Period (April 1, 2016 to December 31, 2017):

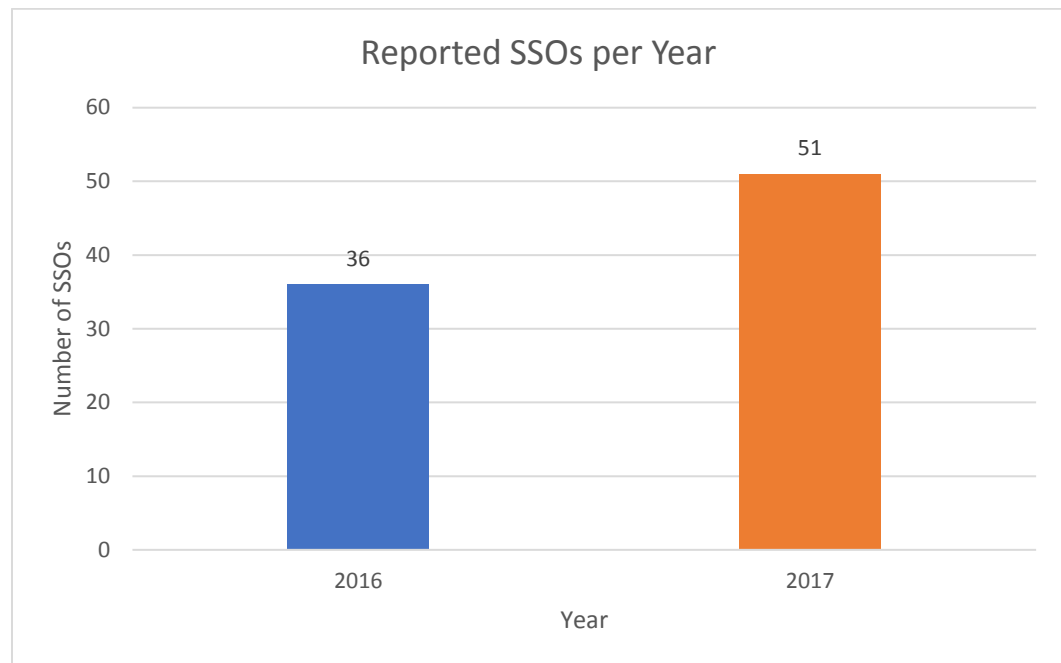
1. General Overview – A breakdown of the First Annual SSO's, by both primary cause and group, are referenced below:

TABLE 3.1 SUMMARY OF SSO's

Cause Of SSO	Number of SSO's			Total
	Group 1	Group 2	Group 3	
Mainline Blockage (MB)	6	6	2	14
Sewer Failure (SF)	2	5	0	7
Power Failure (PF)	14	1	0	15
Pump Station Failure (PSF)	4	9	7	20
I/I Issue (I/II)	28	2	0	30
Station Turned Off (STO)	1	0	0	1
TOTALS	55	23	9	87

The data are referenced graphically below by year:

FIGURE 3.1 REPORTED SSOs PER YEAR



The data are referenced in the following five (5) graphs below by cause and year:

FIGURE 3.2 SSO BREAKDOWN BY CAUSE (2016-2017)

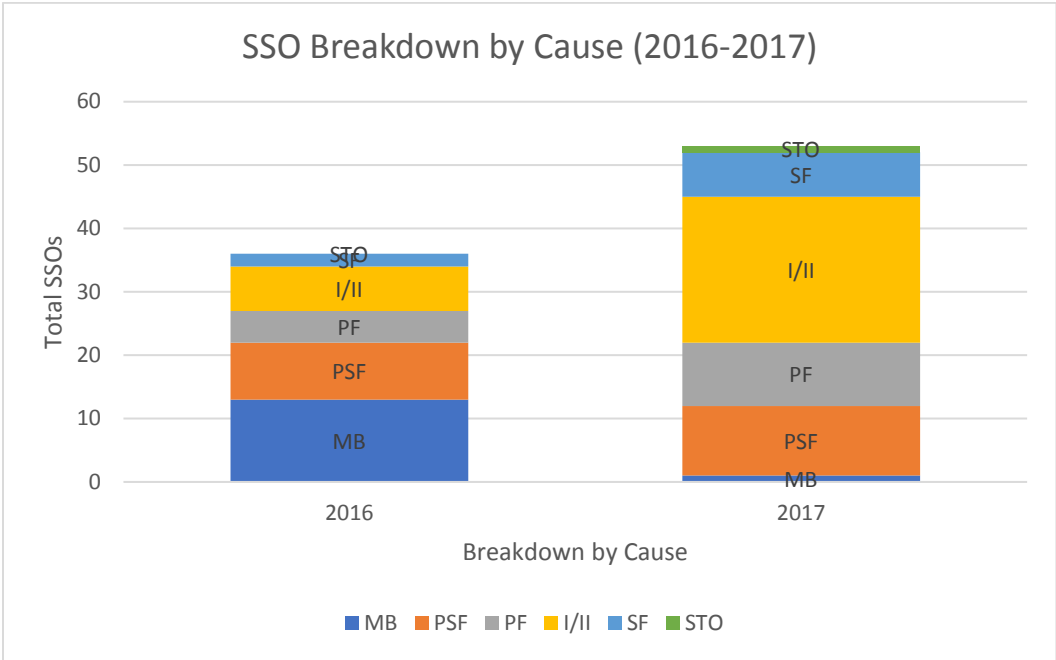


FIGURE 3.3 SSO BREAKDOWN BY CAUSE (2016)

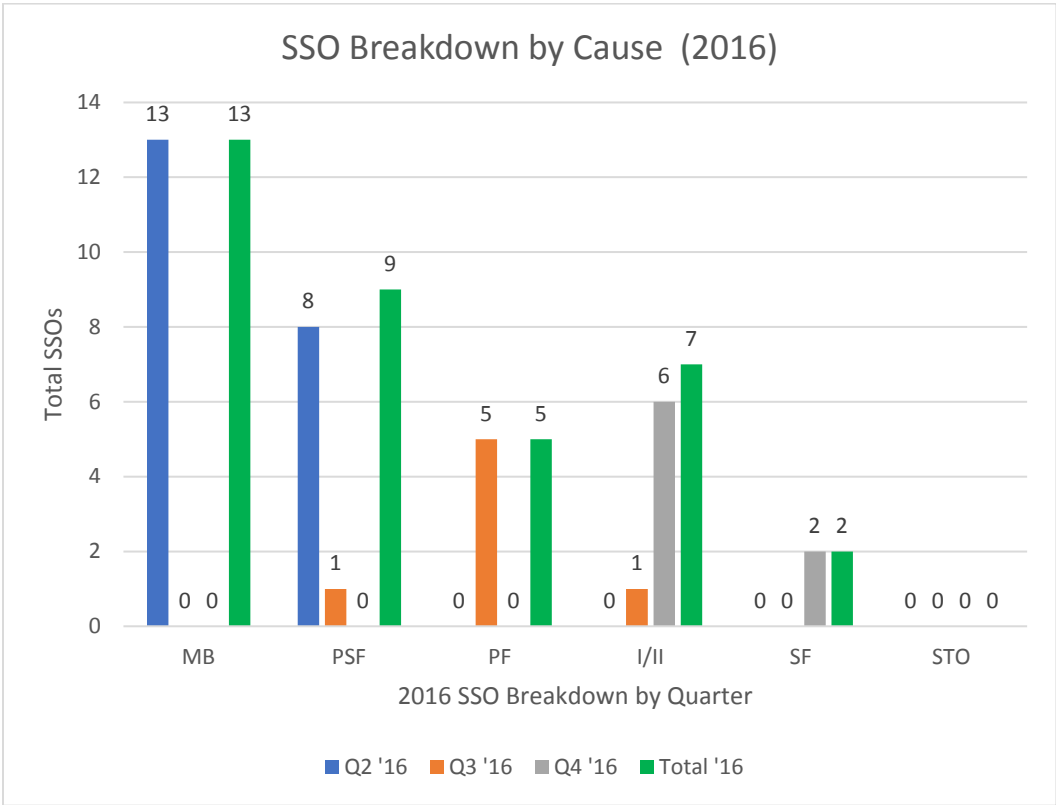


FIGURE 3.4 SSO BREAKDOWN BY CAUSE (2017)

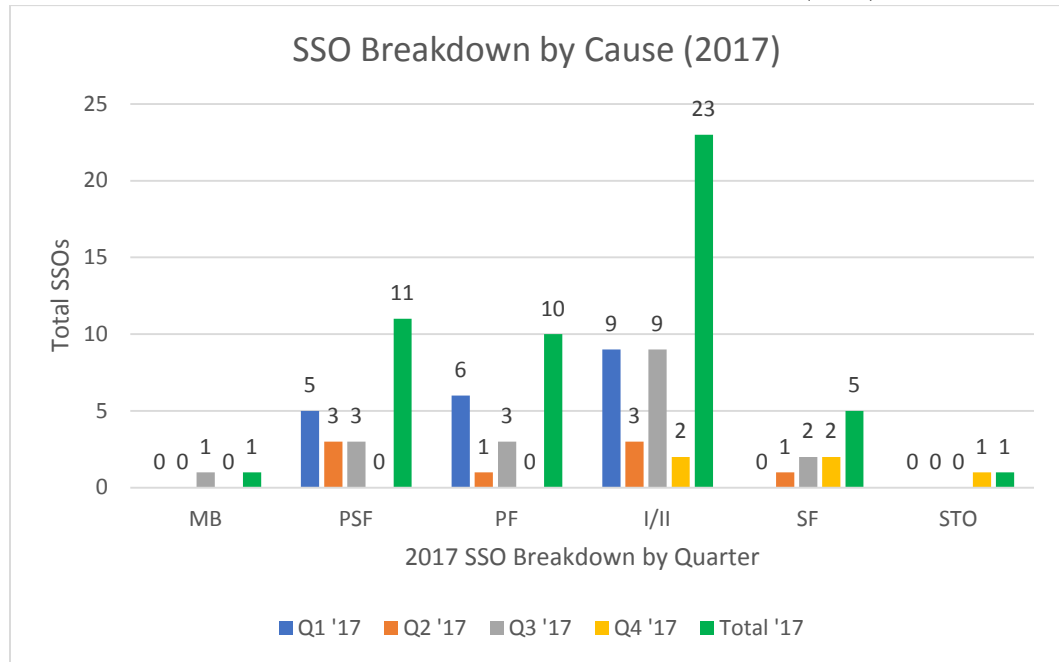


FIGURE 3.5 2016 SSOs BREAKDOWN BY CAUSE

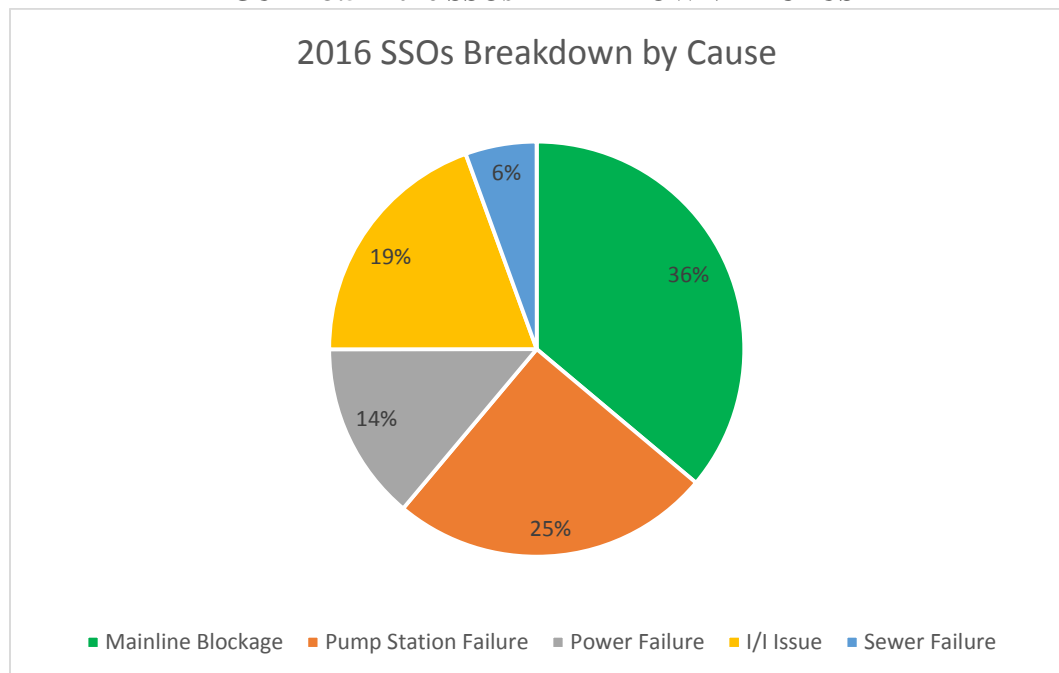
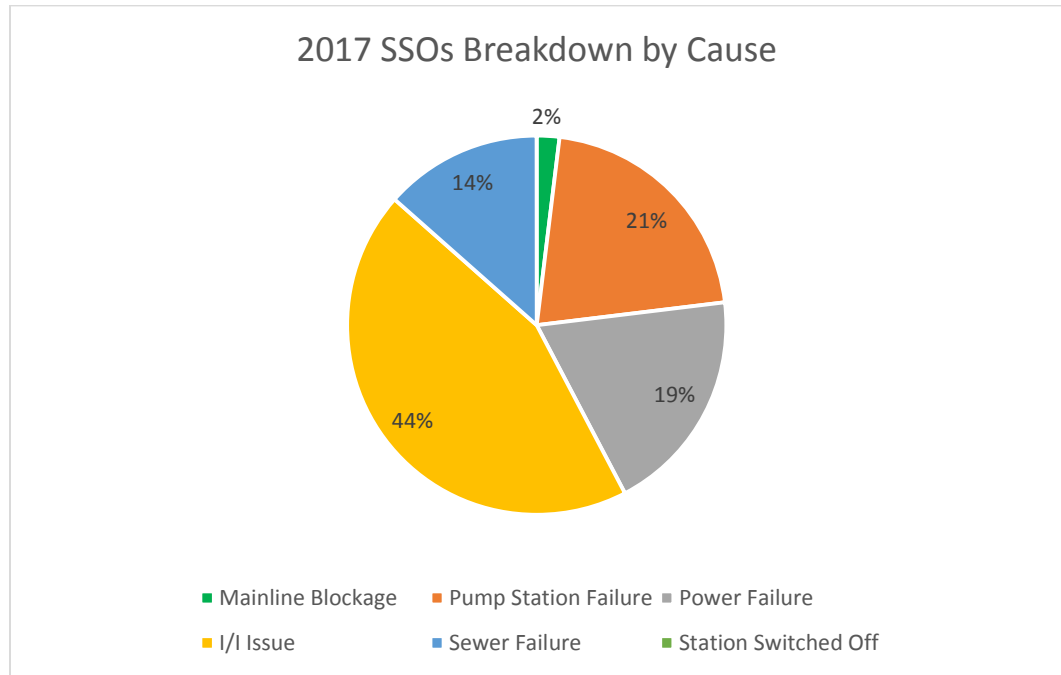
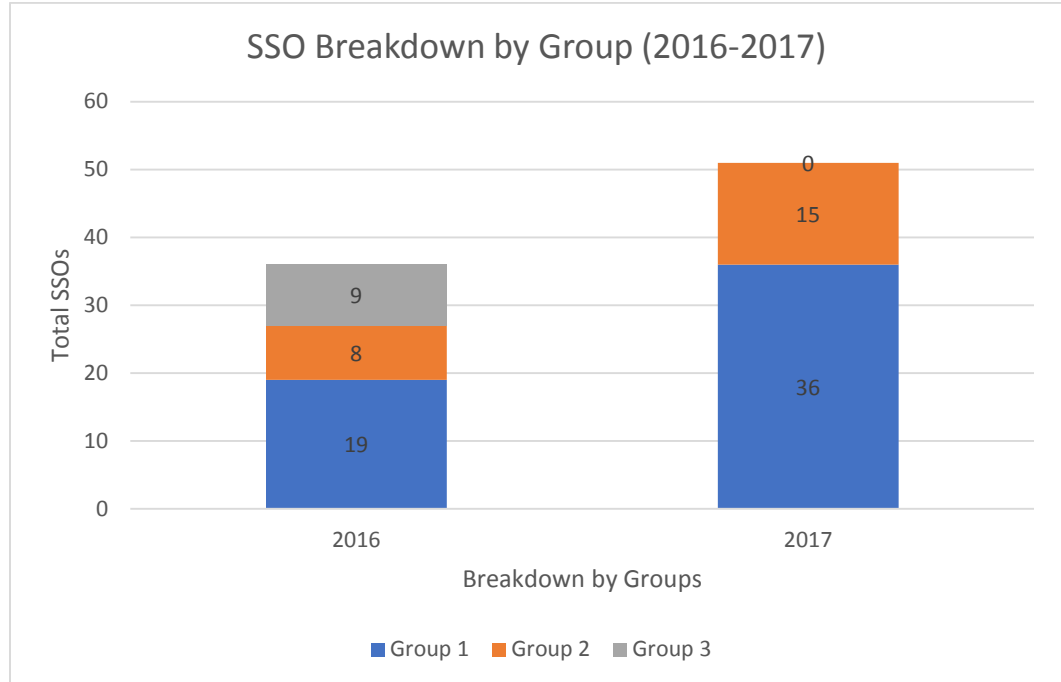


FIGURE 3.6 2017 SSOs BREAKDOWN BY CAUSE



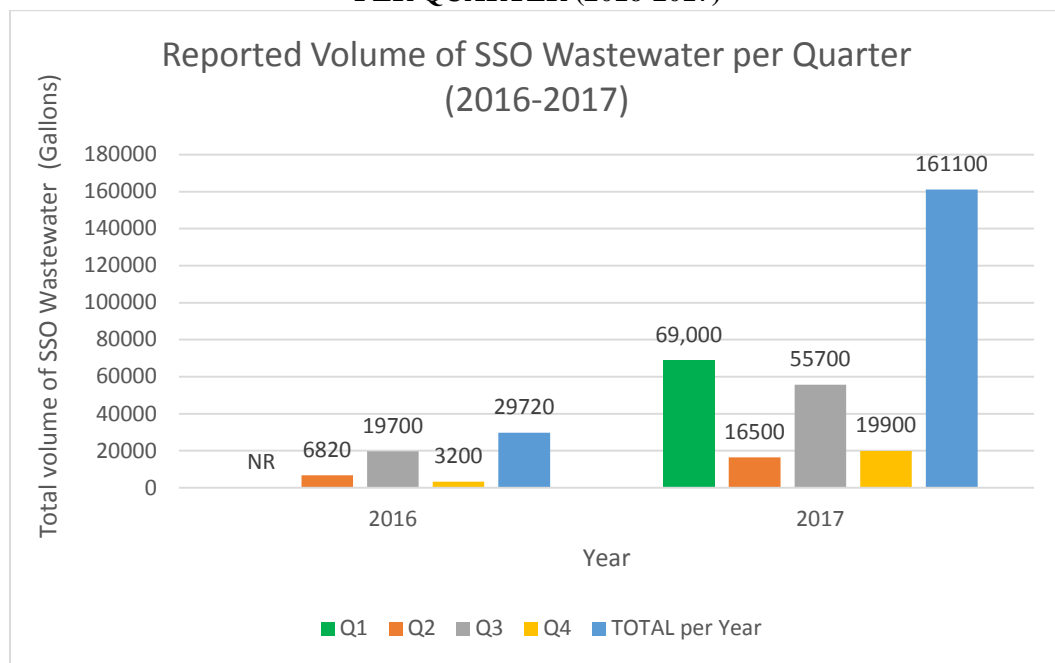
The data are referenced below by group designation and year:

FIGURE 3.7 SSO BREAKDOWN BY GROUP (2016-2017)



The data are referenced below by SSO volume, quarter and annual totals:

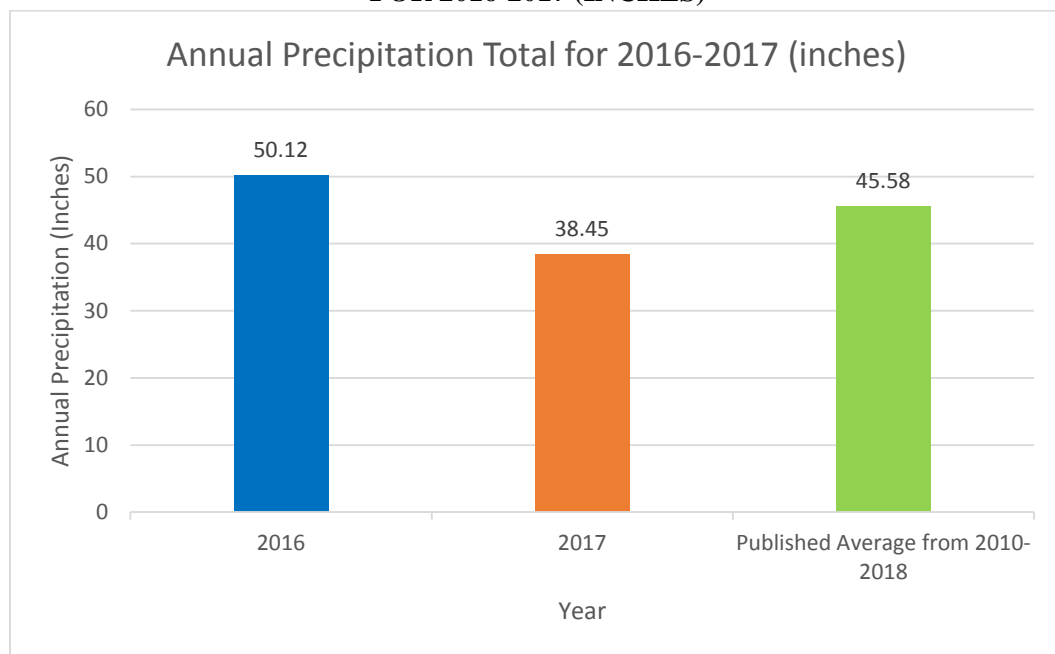
**FIGURE 3.8 REPORTED VOLUME OF SSO WASTEWATER
PER QUARTER (2016-2017)**



NR: signifies No Results for the quarter

The annual precipitation totals are referenced below:

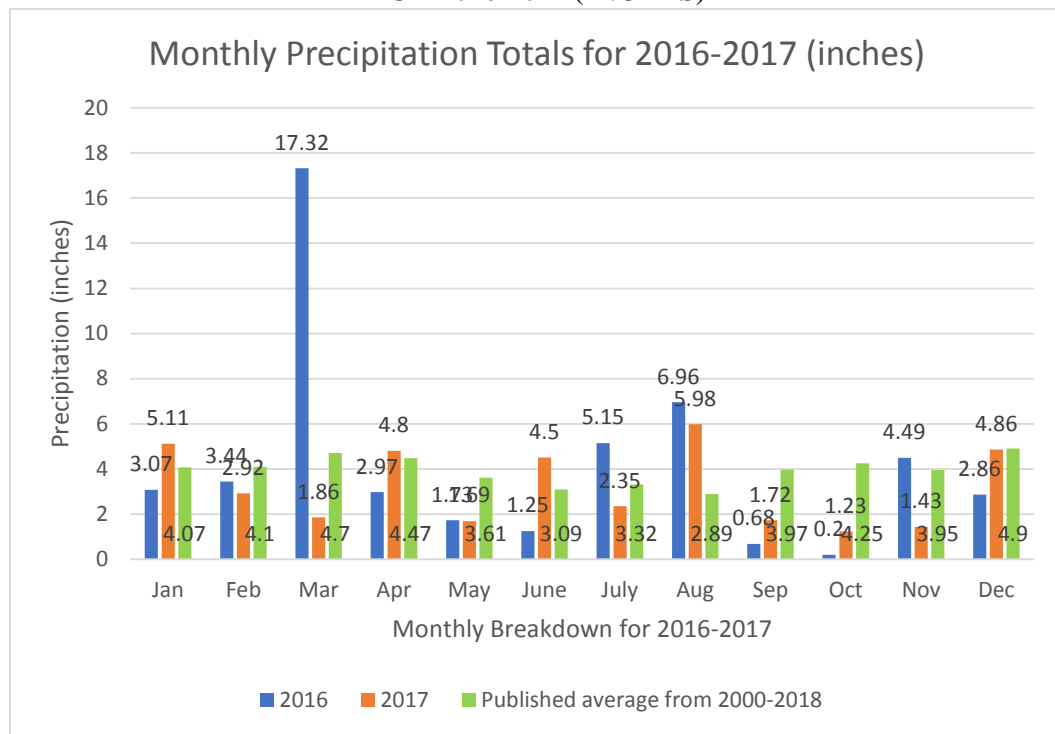
**FIGURE 3.9 ANNUAL PRECIPITATION TOTAL
FOR 2016-2017 (INCHES)**



Data above collected from NOAA

The monthly precipitation data is referenced in the graph below:

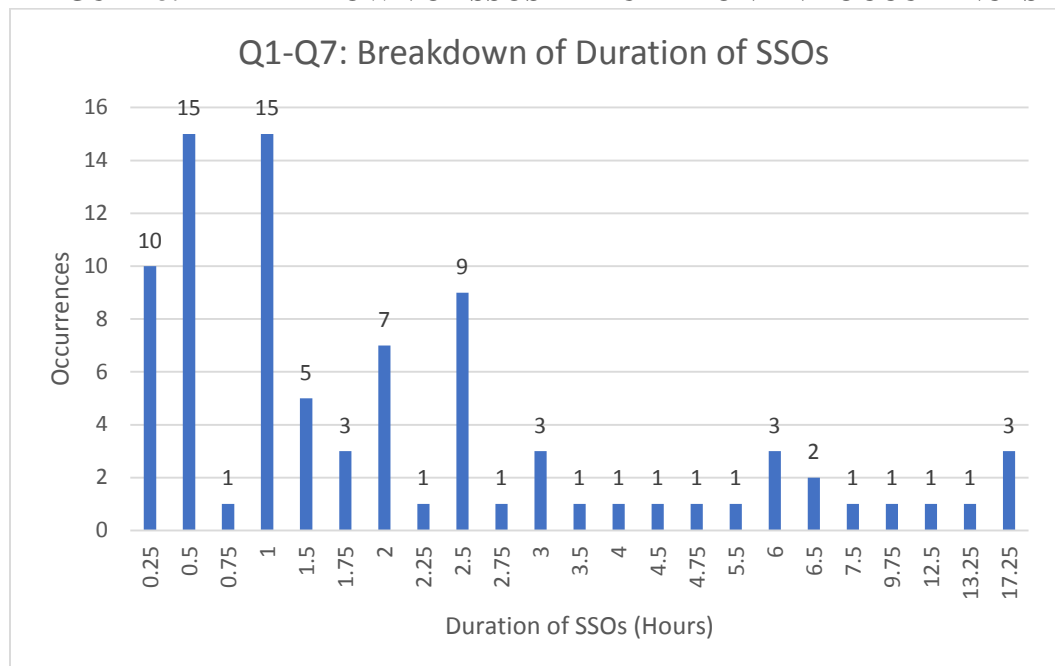
FIGURE 3.10 MONTHLY PRECIPITATION TOTALS FOR 2016-2017 (INCHES)



Data above collected from NOAA

The SSO duration data are referenced below:

FIGURE 3.11 BREAKDOWN OF SSOS BY DURATION AND OCCURENCES



The following are conclusions drawn from the summary breakdown:

- a.) **Group Classifications** – The SSO totals, over the seven (7) quarter period, for Groups 1, 2 and 3 are 55, 23 and 9, respectively. These findings support the CITY’s classification system for the sewer mini-systems as poor (Group 1), fair (Group 2) and good (Group 3).
 - b.) **Major SSO Cause** – The findings indicate that 34.4% of all SSO’s for the entire CITY system are directly caused by excessive I/I.
 - c.) **Rainfall Data** – The average rainfall data for 2016 and 2017 was 44.29 inches. This is 1.29 inches below the average annual amount of 45.58 inches.
 - d.) **Duration of SSO Events** – The vast majority of the SSO’s (80.45%) lasted for 3 hours or less. The average duration was 2.73 hours.
 - e.) **SSO Volume** – The SSO volume trended higher from 2016 (29,720 gallons) to 2017 (161,100 gallons). The average SSO volume per event was 2,193.33 gallons.
2. **Re-occurring SSOs** – Of the total SSO’s, forty-one (41) were reoccurring SSOs at six (6) different locations. A summary table of these reoccurring SSOs is referenced below:

TABLE 3.2 SUMMARY OF REOCCURRING SSO’s

WCTS Component	Location/Address	Number of Re-Occurring SSOs	MS/ PS	Priority Group Number
Pump Station	Hancock Pump Station	12	MS 2 / PS 5	1
Pump Station	Wildwood Pump Station Effluent Manhole	13	MS 27 / PS 41	1
Pump Station	South Theobald Pump Station	7	MS 8 / PS 17	1
Cleanout	630 Longwood Dr.	3	MS 2 / PS 4	1
Manhole	1776 McClain St. Manhole	3	MS 27 / PS 42	1
Manhole	Producers Rice Pump Station	3	MS 26 / PS 106	2
Total No. of Reoccurring SSOs		41		

*For the purposes of this analysis, a SSO is considered re-occurring if three (3) or more SSOs were released at the same location within a timespan of one (1) year.

These locations are described below:

- a) Hancock Pump Station – Based on the reported SSOs, SSES studies, and history of Hancock Pump Station as highlighted in SECTION II.3.a of this report, it can be concluded that power failure, force main repairs and heavy inflow during storm events are the main causes of the reoccurring SSOs at this location. Because Hancock pump station forcemain is shared with the force mains of Union (PS 55) and Phelps (PS 16) pumping stations, the pumping capacity of one of CITY's five major pump stations has been severely reduced during rain events. Thus, the station is highly susceptible to SSOs during high rain events, force main repairs and power outages.

The following corrective actions have been initiated to eliminate these re-occurring SSOs:

- 1) EAP Contract 7 – Pump Station Wet-Well Rehabilitation Project – The project consists of the assessment, cleaning and rehabilitation of two (2) of the CITY's major pumping station wet wells, Hancock (PS 5) and South Theobald (PS 17). The project was bid in April/May 2017 and is scheduled to be completed by January 6, 2018.
 - 2) EAP Contract 3 – Pump Station Auxiliary Power Units – The project consisted of the installation of natural gas-fired, auxiliary power units at the CITY's five (5) major pump stations: Hancock, Mary, Daniel, Tennessee Gas and South Theobald. The contract was bid in September/October 2015 and completed on November 17, 2015.
 - 3) Hancock Pump Station Force Main Project – The 2.5 mile long, 16" diameter force main is scheduled to be replaced with a larger 18" diameter force main. The scope, schedule and costs will be outlined in Facility Plan No. 2 and submitted to the City during the 1st Quarter of 2018.
- b) Wildwood Pump Station Effluent Manhole – The Wildwood Pump Station (PS 41) is one of the four (4) pump stations in Mini System 27 with Tennessee Gas Pump Station (PS 53) acting as the collection pump station for the entire mini system.

The majority of the reoccurring SSOs at this location are due to the effluent manhole (MH 53-140) for the Wildwood Pump Station being hydraulically overloaded during wet weather events. Currently, this shallow manhole MH 53-140 receives discharges from a total of three (3) force mains.

During rain events, when the force mains are at their peak flowrates, the manhole is easily overloaded resulting in a SSO.

Upon further investigation and SSES assessment, it was discovered that the hydraulic capacity of the system is being further reduced due to a bottle neck in the sewer main located between MH 53- 108 to MH 53-103. The South Main St. gravity sewer, as it travels to Tennessee Gas Pump Station (PS 53), is reduced from a 15-inch diameter pipe to a 12-inch. This bottleneck causes the sanitary sewer to surcharge during peak flows when the system is already functioning at its design capacity.

The Wildwood pump station has reached its allowable capacity and will require improvements in order to function at its required capacity. The following corrective measures have either been initiated or are planned to eliminate the reoccurring SSOs in this system:

- 1) Force Main Reconstruction Project (Under SSES 5) – Two (2) pump stations, Mary Street (PS 34) and Wildwood Street (PS 41), have force mains that need to be reconfigured and/or re-built to meet their design capacity. The scope, schedule and costs will be outlined in Facility Plan No. 2 and submitted to the City during the 1st Quarter of 2018.
 - 2) South Main Pipe Bursting Project – The project's scope will remove the bottle neck that exists in the gravity sewer between MH 53-108 and MH 53-103 to restore the system to its design hydraulic capacity. As with the other projects mentioned earlier, the scope, schedule and costs will be outlined in Facility Plan No. 2 and submitted to the CITY during the 1st Quarter of 2018.
 - 3) SSES 2 – Change Order No. 1 executed under SSES 2 contract authorized the cleaning and CCTV inspection of Wildwood Pump Station Wet well. The work was completed prior to the project's completion date of December 15, 2017.
- c) South Theobald Pump Station – The primary cause of reoccurring SSOs at this station is power outage due to fluctuations in our local grid. South Theobald Pump Station, being one of the five (5) major pump stations of the CITY, collects sewage from Hancock Pump (PS 5) and Carry Stern (PS 10) Pump Stations before its forced to the wastewater treatment plant (WWTP). Loss of power for even a brief amount of time causes the station to quickly surcharge and eventually overflow.

The following corrective actions have been initiated in eliminating reoccurring SSOs:

- 1) EAP Contract 7 – Pump Station Wet-well Rehabilitation Project – The project consists of the assessment, cleaning and rehabilitation of two (2) of the CITY’s major pumping station wet wells, Hancock (PS 5) and South Theobald (PS 17). The project was bid in April/May 2017 and completed on January 6, 2018.
 - 2) EAP Contract 3 – Pump Station Auxiliary Power Units – The project consisted of the installation of natural gas-fired, auxiliary power units at the CITY’s five (5) major pump stations: Hancock, Mary, Daniel, Tennessee Gas and South Theobald. The contract was bid in September/October 2015 and completed on November 17, 2015.
- d) 1976 McClain St. Manhole – The 1976 McClain St. Manhole (MH 42-22) receives a force main discharge from McClain St. Pump Station (PS 43) and has released three (3) SSOs during large rain events.

The following actions have been initiated to eliminate the reoccurring SSOs at this location:

- 1) SSES 3 – The project consists of video/smoke testing of gravity sewer and Manhole Inspections of Group 1 Mini-Systems including McClain St. Pump Station. The city bid the project in April/May 2016 and the completion date is February 6, 2018.
 - 2) SSES 5 – The project consists of the assessment of the Group 1 pump stations and force mains. The project was scheduled after force main by-pass ports were installed under the EAP Contract 5 and completion of SSES 3. The bid date was December 20, 2017. The apparent low bidder was GCU. The CITY has submitted the bid to the Public Works Committee for review in January 2018.
- e) 630 Longwood Drive Cleanout – The 630 Longwood Drive sewer lateral/cleanout empties into a gravity sewer line just upstream of Hancock Pump Station. The primary causes of SSOs at this location is the backing up of Hancock Pump Station lines during rain events and/or power outages. The implementation of corrective actions to the Hancock Pump Station, as stated earlier, should be more than sufficient to eliminate the SSOs at this location.

- f) Producer's Rice Pump Station – Producer's Rice Pump Station (PS 106) mini-system is a small system consisting of approximately four-hundred (400) feet of gravity sewer, and primarily serves to pump sewage from PS 97 and Producers Rice Mill (Private) to the WTPP.

The following actions have either been executed or are planned in eliminating all SSOs at this location:

- 1) SSES 4 – The project consists of video/smoke testing of Group 2 Mini Systems and manhole inspections, including the Producer's Rice Pump Station. The CITY bid the project in August/September 2016 and the completion date is March 16, 2018.
- 2) SSES 6 – The project consists of the assessment of the Group 2 pump stations and force mains. As with SSES 5, the SSES 6 was scheduled upon the installation of the by-pass ports under the EAP Contract 5 and completion of SSES 4. The bid phase is tentatively scheduled for January/February 2019.

A complete summary of SSOs during this reporting period can be found in Appendix C of this report. A SSO location map (Figure B) was prepared based on this data.

- End of Section -

SECTION IV

SUMMARY OF ACTIONS PLANNED FOR 4TH SEMI-ANNUAL PERIOD

Over the fourth semi-annual period (January 1, 2018 to June 30, 2018), the CITY will continue their efforts with regards to the on-going programs/projects listed in Section II.

Also, during the period, the following are programs which will either be submitted to EPA or initiated/completed:

1. CMOM/Gravity Sewer Operation & Maintenance Program (submitted)
2. CMOM/FOG Control Program (Training) (initiated)
3. Legal Support Program (submitted)
4. EAP Contract 5 (Construction Phase) (completed)
5. GROUP 1 REHAB/WWTP Improvement Project (Design Phase) (initiated)
6. GROUP 1 REHAB/Hancock Pump Station Force Main Project (Design Phase) (initiated)
7. Financing & Cost Analysis Program (initiated)
8. SSES 5 (initiated)

The following are programs/projects which will be finalized during the period:

1. SSES 3
2. SSES 4
3. EAP

- End of Section -

SECTION V

SANITARY SEWER OVERFLOWS (SSOs) REPORTED DURING 7TH QUARTER

The sewer calls and SSO reports for the 7th Quarter of the PCD are referenced in the appendices A and B of this report.

In summary, there were five (5) reported SSOs during the period. They are summarized below:

1. 10/05/17 Force Main / Highland Plantation Road
2. 10/17/17 Force Main / 1236 South Theobald
3. 10/17/17 Lift Station / 806 West Union Street
4. 12/21/17 Manhole / George Abraham Boulevard at South Colorado
5. 12/21/17 Manhole / 262 Wildwood Drive

- End of Section -

SECTION VI

OTHER GENERAL COMMENTS

In January 2018, the CITY plans to discuss the financial burden the PCD is placing on the CITY's finances. The CITY plans to continue complying with the PCD; however, in order to minimize the financial impact on the CITY's cash flow position, the CITY will re-schedule the assessment work, which is currently ahead of schedule (SSES 6 and SSES 7), for the second half of 2018 (SSES 7) and for 2019 (SSES 6). The CITY also plans to meet with EPA in 2018 to discuss the CITY's financial situation and propose options to minimize the PCD's financial impact on the CITY.

- End of Section -

FIGURES

FIGURE 1

Gantt Chart

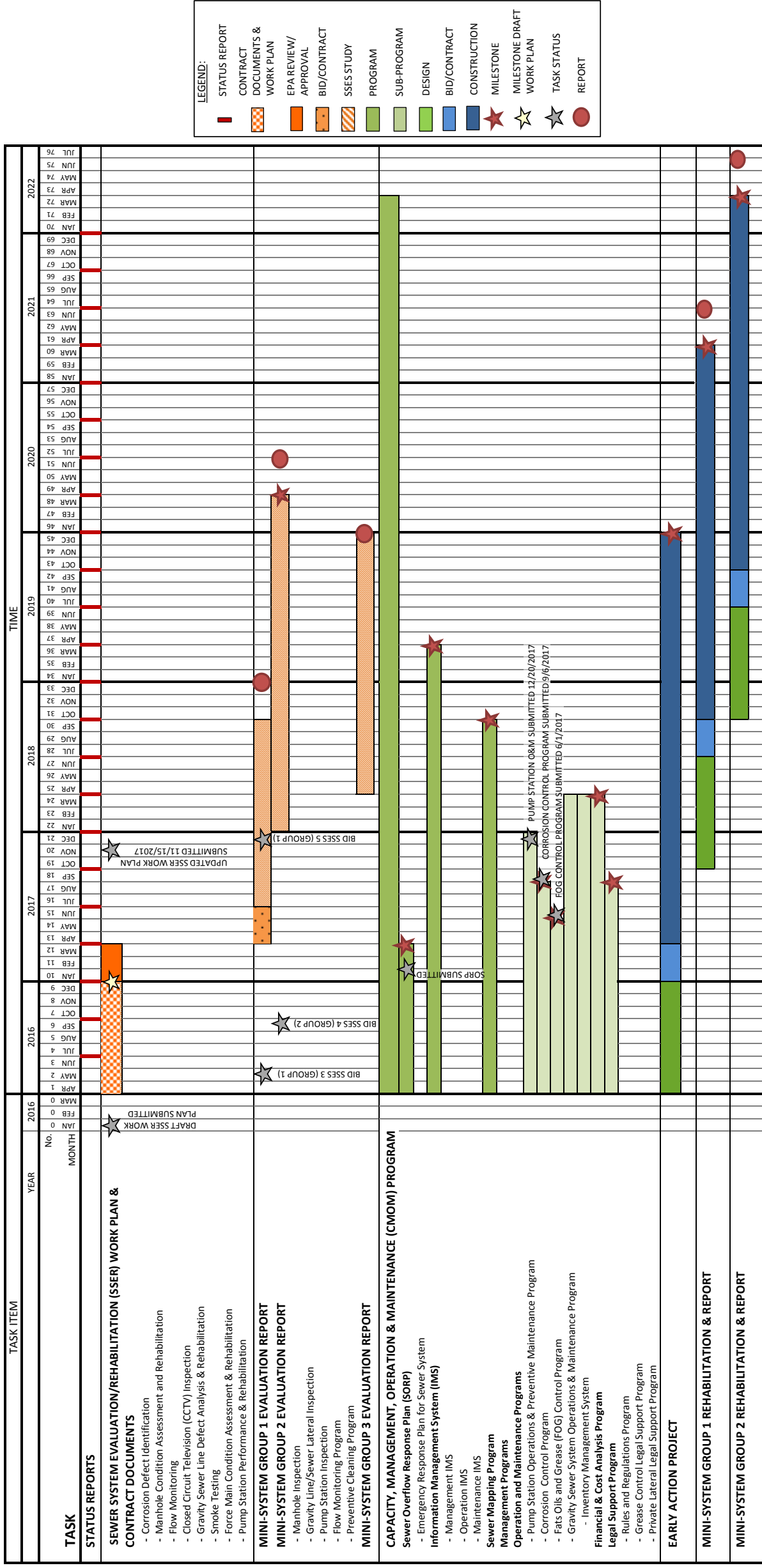



FIGURE 1
GANTT CHART - SANITARY SEWER REHABILITATION PROGRAM
GREENVILLE, MS

FIGURE 2

SSOs By Mini-System

LEGEND:



SANITARY SEWER
OVERFLOW (SSO)



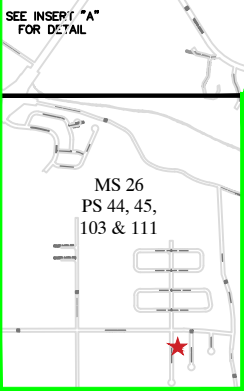
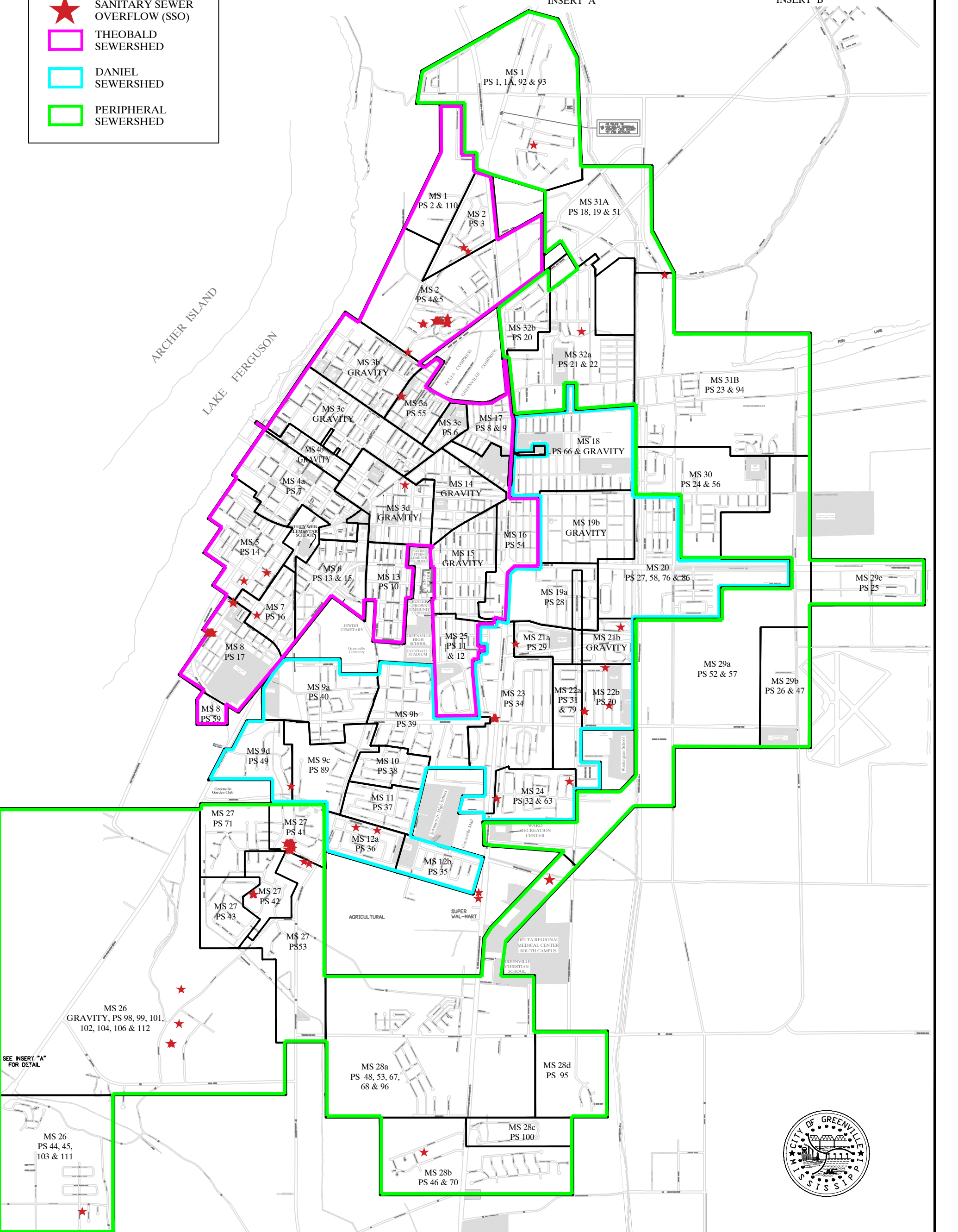
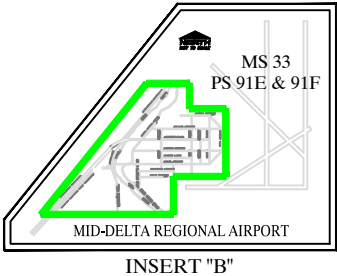
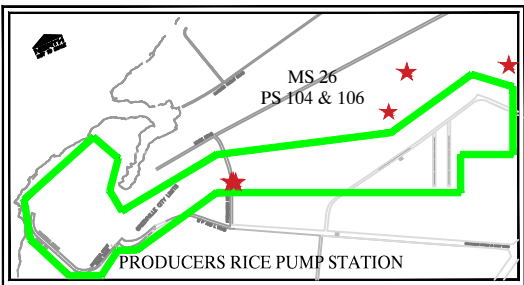
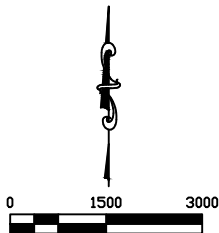
THEOBALD
SEWERSHED



DANIEL
SEWERSHED



PERIPHERAL
SEWERSHED





W. L. BURLE
ENGINEERS , P.A.
111 South Walnut Street
Greenville, MS 38701

SSOS BY MINI-SYSTEM
SEWER REHABILITATION PROGRAM
GREENVILLE, MISSISSIPPI

Burle Proj. No.:	
File Name:	SSD MAP 12-8-17.DWG
Date:	12-8-2017
Scale:	1"=3000'
Drawn by:	PND
Checked:	MSR

Revisions:	
Revisions:	

Revisions:	
Revisions:	

MINI-SYSTEM SSD
WITH SEWERSHEDS

APPENDICES

APPENDIX A

Wastewater Bypass Reports (7th Quarter)

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

- I. PERMITTEE NAME: CITY OF GREENVILLE, MISSISSIPPI
- II. PERMIT NUMBER: MS0020184
- III. BYPASS SOURCE (I.E. MANHOLE, PUMP STATION, ETC.): FORCEMAIN
- IV. SOURCE LOCATION (I.E. STREET, ETC.): See Attached Map
- V. DATE/TIME BYPASS BEGAN: OCTOBER 5, 2017, 9:06 AM
- VI. DATE/TIME BYPASS ENDED: OCTOBER 6, 2017, 9:30 AM
- VII. VOLUME OF WASTEWATER BYPASSED (ESTIMATE IF NECESSARY) 10,000 GALLONS
- VIII. STATE WATERS EFFECTED (I.E. RIVER, STREAM, LAKE, ETC. NONE
- IX. CAUSE OF BYPASS: LEAK IN FORCEMAIN
- X. TEMPORARY CORRECTIVE ACTIONS TAKEN: LIME AROUND EXCAVATION
- XI. PERMANENT CORRECTIVE ACTIONS: PLACE A STAINLESS STEEL FULL WRAPAROUND REPAIR
CLAMP ON FORCEMAIN
- XII. NUMBER OF BYPASSES AT THIS LOCATION IN THE PAST 12 MONTHS: 0
- XIII. WHAT ACTIONS WERE TAKEN TO PREVENT OR MINIMIZE ADVERSE ENVIRONMENTAL
IMPACT? ___
- XIV. IF BYPASS CAUSED DUE TO INFLOW OF RAINFALL, HOW MANY INCHES OF RAIN FELL IN THE
AREA? ___

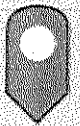
SIGNATURE: 

TITLE: CONSENT DECREE MANAGER

ADDRESS: 340 MAIN STREET

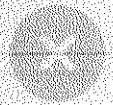
GREENVILLE, MISSISSIPPI 38701

DATE: OCTOBER 6, 2017



Dropped Pin

38701, Greenville, Mississippi



27 ft

Coordinates

33.352727 -91.102098

Address

38701, Greenville, Mississippi

Directions



WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

- I. PERMITTEE NAME: CITY OF GREENVILLE, MISSISSIPPI
- II. PERMIT NUMBER: MS0020184
- III. BYPASS SOURCE (I.E. MANHOLE, PUMP STATION, ETC.): FORCEMAIN
- IV. SOURCE LOCATION (I.E. STREET, ETC.): 1236 SOUTH THEOBALD
- V. DATE/TIME BYPASS BEGAN: OCTOBER 17, 2017, 2:37 PM
- VI. DATE/TIME BYPASS ENDED: OCTOBER 17, 2017, 3:05 PM
- VII. VOLUME OF WASTEWATER BYPASSED (ESTIMATE IF NECESSARY) 1,000 GALLONS
- VIII. STATE WATERS EFFECTED (I.E. RIVER, STREAM, LAKE, ETC. NONE
- IX. CAUSE OF BYPASS: LEAK IN FORCEMAIN
- X. TEMPORARY CORRECTIVE ACTIONS TAKEN: LIME AROUND EXCAVATION
- XI. PERMANENT CORRECTIVE ACTIONS: REPLACED 54 LINEAR FEET OF CAST IRON FORCEMAIN
WITH C-900 PVC
- XII. NUMBER OF BYPASSES AT THIS LOCATION IN THE PAST 12 MONTHS: 0
- XIII. WHAT ACTIONS WERE TAKEN TO PREVENT OR MINIMIZE ADVERSE ENVIRONMENTAL
IMPACT? LIFT STATIONS TIED TO THIS FORCEMAIN WERE CUT-OFF WITHIN TEN(10)
MINUTES OF RECEIVING CALL ABOUT LEAK
- XIV. IF BYPASS CAUSED DUE TO INFLOW OF RAINFALL, HOW MANY INCHES OF RAIN FELL IN THE
AREA?

SIGNATURE: _____

TITLE: CONSENT DECREE MANAGER

ADDRESS: 340 MAIN STREET

GREENVILLE, MISSISSIPPI 38701

DATE: OCTOBER 18, 2017

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

- I. PERMITTEE NAME: CITY OF GREENVILLE, MISSISSIPPI
- II. PERMIT NUMBER: MS0020184
- III. BYPASS SOURCE (I.E. MANHOLE, PUMP STATION, ETC.): LIFT STATION
- IV. SOURCE LOCATION (I.E. STREET, ETC.): 806 WEST UNION STREET
- V. DATE/TIME BYPASS BEGAN: OCTOBER 17, 2017, 1:25 PM
- VI. DATE/TIME BYPASS ENDED: OCTOBER 17, 2017, 1:35 PM
- VII. VOLUME OF WASTEWATER BYPASSED (ESTIMATE IF NECESSARY) 100 GALLONS
- VIII. STATE WATERS EFFECTED (I.E. RIVER, STREAM, LAKE, ETC. NONE
- IX. CAUSE OF BYPASS: CONTRACTED WORK AT 1417 SOUTH THEOBALD LIFT STATION
REQUIRED THIS LIFT STATION AND ONE OTHER LIFT STATION BE CUT-OFF FOR FIVE HOURS.
- X. TEMPORARY CORRECTIVE ACTIONS TAKEN: LIME AROUND STATION
- XI. PERMANENT CORRECTIVE ACTIONS:
- XII. NUMBER OF BYPASSES AT THIS LOCATION IN THE PAST 12 MONTHS: 0
- XIII. WHAT ACTIONS WERE TAKEN TO PREVENT OR MINIMIZE ADVERSE ENVIRONMENTAL
IMPACT? LIFT STATION WAS PLACED BACK IN AUTO PUMP CONTROL MODE
- XIV. IF BYPASS CAUSED DUE TO INFLOW OF RAINFALL, HOW MANY INCHES OF RAIN FELL IN THE
AREA?

SIGNATURE: 

TITLE: CONSENT DECREE MANAGER

ADDRESS: 340 MAIN STREET

GREENVILLE, MISSISSIPPI 38701

DATE: OCTOBER 18, 2017

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

- I. PERMITTEE NAME: CITY OF GREENVILLE, MISSISSIPPI
- II. PERMIT NUMBER: MS0020184
- III. BYPASS SOURCE (I.E. MANHOLE, PUMP STATION, ETC.): MANHOLE
- IV. SOURCE LOCATION (I.E. STREET, ETC.): GEORGE ABRAHAM BOULEVARD AT SOUTH
COLORADO
- V. DATE/TIME BYPASS BEGAN: DECEMBER 21, 2017, 8:00 AM
- VI. DATE/TIME BYPASS ENDED: DECEMBER 21, 2017, 5:45 PM
- VII. VOLUME OF WASTEWATER BYPASSED (ESTIMATE IF NECESSARY) 8,000 GALLONS
- VIII. STATE WATERS EFFECTED (I.E. RIVER, STREAM, LAKE, ETC. NONE
- IX. CAUSE OF BYPASS: RAINFALL
- X. TEMPORARY CORRECTIVE ACTIONS TAKEN: LIME AROUND MANHOLE
- XI. PERMANENT CORRECTIVE ACTIONS:
- XII. NUMBER OF BYPASSES AT THIS LOCATION IN THE PAST 12 MONTHS: 0
- XIII. WHAT ACTIONS WERE TAKEN TO PREVENT OR MINIMIZE ADVERSE ENVIRONMENTAL
IMPACT?
- XIV. IF BYPASS CAUSED DUE TO INFLOW OF RAINFALL, HOW MANY INCHES OF RAIN FELL IN THE
AREA? 3.5"

SIGNATURE: _____

TITLE: CONSENT DECREE MANAGER

ADDRESS: 340 MAIN STREET

GREENVILLE, MISSISSIPPI 38701

DATE: DECEMBER 21, 2017

WASTEWATER BYPASS REPORT

TO THE MISSISSIPPI OFFICE OF POLLUTION CONTROL

- I. PERMITTEE NAME: CITY OF GREENVILLE, MISSISSIPPI
- II. PERMIT NUMBER: MS0020184
- III. BYPASS SOURCE (I.E. MANHOLE, PUMP STATION, ETC.): MANHOLE
- IV. SOURCE LOCATION (I.E. STREET, ETC.): 262 WILDWOOD DRIVE
- V. DATE/TIME BYPASS BEGAN: DECEMBER 21, 2017, 9:00 AM
- VI. DATE/TIME BYPASS ENDED: DECEMBER 21, 2017, 1:45 PM
- VII. VOLUME OF WASTEWATER BYPASSED (ESTIMATE IF NECESSARY) 800 GALLONS
- VIII. STATE WATERS EFFECTED (I.E. RIVER, STREAM, LAKE, ETC. NONE
- IX. CAUSE OF BYPASS: RAINFALL
- X. TEMPORARY CORRECTIVE ACTIONS TAKEN: LIME AROUND MANHOLE
- XI. PERMANENT CORRECTIVE ACTIONS:
- XII. NUMBER OF BYPASSES AT THIS LOCATION IN THE PAST 12 MONTHS: 4
- XIII. WHAT ACTIONS WERE TAKEN TO PREVENT OR MINIMIZE ADVERSE ENVIRONMENTAL
IMPACT?
- XIV. IF BYPASS CAUSED DUE TO INFLOW OF RAINFALL, HOW MANY INCHES OF RAIN FELL IN THE
AREA? 3.5"

SIGNATURE:  _____

TITLE: CONSENT DECREE MANAGER

ADDRESS: 340 MAIN STREET

GREENVILLE, MISSISSIPPI 38701

DATE: DECEMBER 21, 2017

APPENDIX B

Information Management System (IMS) Entries (7th Quarter)

**CITY OF GREENVILLE
GREENVILLE, MISSISSIPPI**

**PERIOD
OCTOBER 1, 2017 TO DECEMBER 31, 2017**

SUBMITTED TO:
U.S. Environmental Protection Agency, Region 4
Clean Water Enforcement Branch
61 Forsythe Street, S.W.
Atlanta, Georgia 30303-8960



Prepared by:
Brad Jones, Consent Decree Manager
Clearwater Solutions
340 Main Street
Greenville, Mississippi 38701

May 28, 2018

SEVENTH QUARTERLY REPORT
REVISED MAY 2018
PARTIAL CONSENT DECREE
U.S. DISTRICT COURT CIVIL ACTION 4:16-cv-00018

Address	Department	ReceivedBy	AssignedTo	DateEntered	Closed	customerdesc	workdescr	ssd	duration (hours) if sso	volume (gallons) if sso	waters	ca
INGHA 1353 East Reed Road	670 Sewer	Bridgett Winters	Jeff Appleton	10/16/2017	TRUE	RAW SEWAGE COMING OUT OF MAN HOLE IN OR SEWER LINE IN PARKING LOT	UNSTOPPED CLEAN OUT MS GG	yes	1	5 none	grease	
1536 Brazil Street	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/18/2017	TRUE	Sewage coming up in kitchen sink per our conversation Jeff Fw	MAIN SEWER WAS STOPPED UP BC GG	yes	4	5 none	mainline block	
466 north Cornell Street apt 37B	670 Sewer	Gigi Lewis	Jeff Appleton	10/23/2017	TRUE	sewer is backing up, she has been calling apt owner all weekend and he wont answer he has hit a sewer line and sewer is going out on the ground,	Pump station charged up-bwinters-msuber	yes	24	5 none	lift station	
1398 North Beauchamp Road	670 Sewer	Gigi Lewis	Jeff Appleton	11/22/2017	TRUE		repaired line ms gg	yes	1	250 none	pipe failure	
is Apts 462-466 north Cornel	670 Sewer	Gigi Lewis	Jeff Appleton	11/27/2017	TRUE	sewer backing up in apts	LIFT STATION CHARGED UP MS GG	yes	3	5 none	lift station	
431 McAllister Street	670 Sewer	Bridgett Winters	Jeff Appleton	11/27/2017	TRUE	clean out in street- sewage backign un into Sunnyland apartments- plumber has been out already	unstopped cleanout - m suber-bwinters	yes	2	5 none	grease	
525 North Delta Street	670 Sewer	Gigi Lewis	Jeff Appleton	11/29/2017	TRUE	said water/ sewer is coming out of her c/o	UNSTOPPED C/O MS GG	yes	2	5 none	lateral blockag	
851 Hart Drive	670 Sewer	Gigi Lewis	Jeff Appleton	11/29/2017	TRUE	sewer is backing up everywhere, said he called answering service last night at 10:00	UNSTOPPED C/O MS GG	yes	8	10 none	lateral blockag	
431 McAllister	670 Sewer	Bridgett Winters	Jeff Appleton	12/5/2017	TRUE	sewage is running everywhere	unstopped c/o ms gg	yes	2	25 none	grease	
2411 North Sanulio Circle	670 Sewer	Gigi Lewis	Jeff Appleton	12/5/2017	TRUE	SEWER IS BACKING UP INTHE HOUSE	unstopped c/o ms gg	yes	2	5 none	lateral blockag	
611 East Mccorkle Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/5/2017	TRUE	sewer is backing up in her house again	unstopped c/o improper c/o ms gg	yes	2	5 none	lateral blockag	
1725 Alabama Drive	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/6/2017	TRUE	Sewer problem plumber say its on the city side sewage backing up in the tubs and cannot use toilets	improper c/o ms gg	yes	3	8 none	lateral blockag	
569 Sweet Gum Cove	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE	URGENT!!!!!!!!!!!!!!!!!!!!!! 3:26 P.M. FELICIA	pump station charged- msuber-bwinters	yes	4	150 none	rainfall	
2281 White Oak Drive	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE	Sewer Manhole lid is up Per conversatio with John	pump station charged -bwinters-msuber	yes	4	250 none	rainfall	
1401 Roosevelt Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/22/2017	TRUE	Water coming up from drain (sewer) water or sewage water is filling up in the drainage ditch- her toilets have been gurgling every since it rained and its difficult to flush them- the ditches on Theobald, Booker and Dalriva are feeling up and shes expecting company	unstopped - bwinters - msuber	yes	12	2000 none	rainfall	
431 McAllister Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE	sewage backing up into apt- calling for a month regarding the same issue	Unstopped for now- it will be dug out and repaired-bwinters - m suber	yes	4	5 none	pipe failure	
2621 Highway 82 West	670 Sewer	Bridgett Winters	Jeff Appleton	12/29/2017	TRUE	sewage is coming up through the floor in the street- I explained, you all will get to her	PUMP STATION UP BC MS GG	yes	72	5 none	lift station	
1186 HIGHLAND PLANTATION ROAD	670 Sewer	Brad Jones	Brad Jones	10/5/2017	TRUE	ASAP. Called back 1/8/18		yes	1	10000 NONE	PIPE FAILURE	
806 WEST UNION STREET	670 Sewer	Brad Jones	Brad Jones	10/17/2017	TRUE	FORCEMAIN		yes	0.2	100 NONE	STATION SWI	
1236 SOUTH THEOBALD	670 Sewer	Brad Jones	Brad Jones	10/17/2017	TRUE	WETWELL		yes	0.5	1000 NONE	PIPE FAILURE	
262 WILWOOD DRIVE	670 Sewer	Brad Jones	Brad Jones	12/21/2017	TRUE	MANHOLE		yes	4.75	800 NONE	RAINFALL	
GEORGE ABRAHAM BLVD AT SOUTH COLORADO	670 Sewer	Brad Jones	Brad Jones	12/21/2017	TRUE	MANHOLE		yes	9.75	8000 NONE	RAINFALL	
Broadway Johnson/ Harvey	670 Sewer	Bridgett Winters	Jeff Appleton	10/5/2017	TRUE	sewage backing up in the apartment	pump station charged ms gg	unknown				
509 E Alexander	670 Sewer	Gigi Lewis	Freddie Johnson	10/5/2017	TRUE	Fire Hydrant leak.		no				
1605 Pete St	670 Sewer	Gigi Lewis	Jeff Appleton	10/5/2017	TRUE	Sewer blockage, c/o front.	City side is down, problem is on P/O side of c/o, closer to house. Notified	no				
419 South Broadway Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/2/2017	TRUE	Sewer blockage	Problem on P/O no City issue.	no				
2838 Vintage Cove	670 Sewer	Gigi Lewis	Jeff Appleton	10/2/2017	TRUE	said she was told by land lord it is on city side	unstopped manhole-MARQUES SUBER-BWINTERS	no				
618 East Ohea Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/2/2017	TRUE	said water coming up again and has foul odor stop at his address to see exactly what he is talking about	UNSTOPPED MANHOLE-BWINTERS-MSUBER	no				
S. Shelby & Short Clay Sts.	670 Sewer	Milton Kearney	Jeff Appleton	10/2/2017	TRUE	camera service line, possible sewer failure causing sidewalk to buckle	NO SEWER ISSUES MS GG	no				
						Pump station charged up-MSUBER-	BWINTERS	no				

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ES	615 DEATON	670 Sewer	Gigi Lewis	Jeff Appleton	10/2/2017	TRUE	SEWER PROBLEMS IN FRONT BUILDINGS	Pump station had to be pumped down- bwinfers/Msuber	no		
	2426 Blanton Loop	670 Sewer	Gigi Lewis	Jeff Appleton	10/3/2017	TRUE	PLEASE CHECK PUMP STATION, HIS SEWER IS BACKING UP	unstopped c/o ms gg	no		
	2470 Stonebridge Road	670 Sewer	Gigi Lewis	Jeff Appleton	10/4/2017	TRUE	they paid for sewer locate on the 11- 09-16 and they say it still has not been marked. **10/9/17 checking on status of this sewer issue on city side- plumber Lewis Thomas called 347-0074- cleanup at street- clear the line	line will be re-located- bwinfers- #22 & 59 clean out down, repair on property owner ms gg	no		
	2467 Whippoonwill	670 Sewer	Bridgett Winters	Jeff Appleton	10/4/2017	TRUE	DOESNT THINK SHE HAS A C/O. COULD POSSIBLY BE TIED IN WITH NEIGHBOR SINCE GRAND PARENTS OWNED BOTH HOUSES AT ONE TIME	no clean out, no action taken - M suber - bwinfers	no		
	1010 Kate Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/4/2017	TRUE	sewage issue, sewer line is on the side of the home	improper c/o ms gg	no		
	708 South Shelby Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/4/2017	TRUE	sewage stopped up - plumber said its on city side	improper c/o ms gg	no		
	658 East McCorkle Circle	670 Sewer	Bridgett Winters	Jeff Appleton	10/4/2017	TRUE	she said her clean out is under the pine tree?	unstopped c/o ms gg	no		
	922 North Dyer Circle	670 Sewer	Gigi Lewis	Jeff Appleton	10/4/2017	TRUE	Louis Thomas called he has installed a proper c/o	unstopped sewer main line ms gg	no		
	327 North Broadway Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/4/2017	TRUE	called back again about his sewer issue- please leave a door knocker on his door Thanks	improper c/o ms gg	no		
	708 South Shelby Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/4/2017	TRUE	NOT SURE IF HE IS TALKING ABOUT STORM DRAINS OR C/O FOR SEWER, PLEASE CHECK AND LET ME KNOW. THANKS	unstopped clean out ms gg	no		
	610 Short North Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/5/2017	TRUE	c/o????? Has no idea what that is	line greased up, improper clean out ms gg	no		
	1305 East Alexander Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/5/2017	TRUE	There is a sewer main in the rear of the property that has no top and is filled with debris, please clean it out and install a top. The property has been vacant about 12 years, hes called twice, I told him we will get it done as soon as we can.	unstopped clean out ms gg	no		
	610 Short North Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/6/2017	TRUE	The homeowner living at 2351 Whip Poor Will Drive (Irma McKenny) 662-822-0300; has contacted the Mayor's Office regarding the poor sewer and road conditions and standing water at her residence. She stated that she has also contacted Clearwater apparently and has not received any satisfaction	no sewer issue ms gg	no		
	2351 Whip Poor Will Drive	670 Sewer	Bridgett Winters	Jeff Appleton	10/6/2017	TRUE	clean out in back yard outside the fence, hes already ran a line through it	improper clean out repair on property owner ms gg	no		
	508 Harvey	670 Sewer	Bridgett Winters	Jeff Appleton	10/6/2017	TRUE	The purpose of this message is to share information of a complaint issued by John Richards, 510 Wildwood. He said he works at Goodyear, and his property was ruined by city workers and has yet to be fully repaired. Follow up is needed. Your cooperation is appreciated. 662-332-1561 or 616-8217. Chinn		no		
	510 Wildwood.	670 Sewer	Bridgett Winters	Brad Jones	10/9/2017	TRUE	sewage backing up into her home- someone will be home-cleanout in front yard	LIFT STATION WAS CHARGED UP MS GG	no		
	1172 Garden Drive	670 Sewer	Bridgett Winters	Jeff Appleton	10/9/2017	TRUE	clean out in back yard by the fence- plumber has been there	UNSTOPPED CLEAN OUT MS GG	no		
	998 Thornton Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/9/2017	TRUE	ongoing sewer issue	IMPROPER C/O	no		
	319 Cannon Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/9/2017	TRUE	clean out in front yard- flush main line in the middle of the street	improper c/o ms gg OWNER NEEDS TO INSTALL PROPER C/O	no		
	212 South 6th Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/9/2017	TRUE			no		

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898 Jefferson Drive	670 Sewer	Gigi Lewis	Jeff Appleton	10/9/2017	TRUE	no idea about c/o	UNSTOPPED THROUGH MH	MS	no
1330 Highway 82 West	670 Sewer	Gigi Lewis	Jeff Appleton	10/9/2017	TRUE	please check	SHE WAS TOLD TO CALL Building and Grounds	MS	no
239 SOUTH BROADWAY	670 Sewer	Gigi Lewis	Jeff Appleton	10/9/2017	TRUE	CHECK	MH WAS UP MS GG	MS	no
1427 South Theobald Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/9/2017	TRUE	LAST RECORD DESCRIPTION SAYS IMPROPER C/O	unstopped man hole - Msuser-bwinters-10/9/17	MS	no
993 Thornton Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/10/2017	TRUE	in July we show Improper c/o, says she cant fix because its holding water, I told her a licensed plumber would know what to do, finally got Jeff to call her	unstopped clean out- Msuser- Bwinters	MS	no
1202 highway 82 east	670 Sewer	Gigi Lewis	Jeff Appleton	10/11/2017	TRUE	honestly couldn't understand him when I asked about clean out	Improper Cleanout-Msuser-bwinters	MS	no
1669 south pear lane	670 Sewer	Gigi Lewis	Jeff Appleton	10/12/2017	TRUE	said c/o is beside the meter	unstopped manhole - M suber-bwinters	MS	no
						I told him you all found grease I the line the last time and his clean out is improper, he doesnt believe me, he said the city approved it. He's stopped up again- there are two clean outs - there is a grease trap & a sewer line, please come back	unstopped cleanout ms gg	MS	no
1305 East Alexander Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/12/2017	TRUE	customer says she has a c/o on city ROW	repair on p/o improper c/o ms gg	MS	no
419 South 9th Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/13/2017	TRUE	sewer stopped up, ays she does have a c/o	IMPROPER CLEANOUT REPAIR ON PROPERTY - MSUSER-BWINTERS	MS	no
1212 Ridge Avenue	670 Sewer	Gigi Lewis	Jeff Appleton	10/13/2017	TRUE	c/o on city ROW	UNSTOPPED CLEANOUT-MSUSER-BWINTERS	MS	no
777 Kerry Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/13/2017	TRUE	c/o at ROW	UNSTOPPED CLEANOUT-BWINTERS-MSUSER	MS	no
508 North Harvey Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/13/2017	TRUE	MAN HOLE BACKED UP FILLED WITH WATER -APT MAINTENANCE MANGER	UNSTOPPED CLEANOUT-BWINTERS-MSUSER	MS	no
1975 H.T.BAILEY	670 Sewer	Bridgett Winters	Jeff Appleton	10/13/2017	TRUE	please unstop	Repair on property owner - apartment has own pump station -bwinters	MS	no
1428 Genie Fairway	670 Sewer	Gigi Lewis	Jeff Appleton	10/13/2017	TRUE	rodded to the street- sewage- Unsure of address- may be on 7th or 9th -	no c/o repair on p/o ms gg	MS	no
960 7th treet	670 Sewer	Bridgett Winters	Jeff Appleton	10/16/2017	TRUE	CONFUSED	IMPROPER CLEAN OUT MS GG	MS	no
332 Ohio Street	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/16/2017	TRUE	Sewer back up in house and in the yard per our conversation Jeff. FW	IMPROPER CLEANOUT-BWINTERS-MSUSER	MS	no
1765 Pinewood Drive	670 Sewer	Gigi Lewis	Jeff Appleton	10/16/2017	TRUE	SAYS HE HAS A C/O ON CITY ROW	REPAIR ON P/O CLEAN OUT DOWN MS GG	MS	no
904 East Lynne Circle	670 Sewer	Gigi Lewis	Jeff Appleton	10/16/2017	TRUE	SAYS SHE HAS A C/O ON ROW	UNSTOPPED CLEAN OUT MS GG	MS	no
212 South 6th Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/16/2017	TRUE	SAYS SHE HAS A C/O NOW	CLEAN OUT DOWN MS GG	MS	no
1144 Margaret Blvd	670 Sewer	Bridgett Winters	Jeff Appleton	10/16/2017	TRUE	sewage issue- clean out in rear- ongoing issue	UNSTOPPED CLEAN OUT MS GG	MS	no
719 Ashburn Road	670 Sewer	Gigi Lewis	Jeff Appleton	10/17/2017	TRUE	no idea about c/o	IMPROPER CLEANOUT ON HOMEOWNER-BWINTERS-MSUSER	MS	no
787 Shannon Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/17/2017	TRUE	says there is a c/o on row	UNSTOPPED CLEANOUT-MSUSER-BWINTERS	MS	no
1669 Pear Lane	670 Sewer	Gigi Lewis	Jeff Appleton	10/17/2017	TRUE	SAYS HE HAS A C/O ON CITY ROW	UNSTOPPED CLEANOUT-BWINTERS-MSUSER	MS	no
1975 H. T. BAILEY	670 Sewer	Gigi Lewis	Jeff Appleton	10/17/2017	TRUE	CHECK MAN HOLES ON ABIDE ROAD NEAR NORTH GATE	Repair on property owner/private pump station- MSUSER-BWINTERS	MS	no
714 South Colorado Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/17/2017	TRUE	plumber says its on the city, but he has no idea about c/o	IMPROPER CLEANOUT - NO ACTION TAKNE-BWINTERS-MSUSER	MS	no
1662 Debra Drive	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/18/2017	TRUE	Water is bad please check on this Jeff.	NO SEWER ISSUE MS GG	MS	no
1504 Hospital Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/18/2017	TRUE	Sewer issue- clean out in front yard at Dr. Karen Office- plumber called	UNSTOPPED C/O MS GG	MS	no
industrial Fill Road in line with lift station	670 Sewer	Gigi Lewis	Jeff Appleton	10/19/2017	TRUE	Very small leak. Within ten feet and inline with an air relief valve on industrial fill lift station forcemain	REPLACED VALVE	MS	no
212South Sixth	670 Sewer	Bridgett Winters	Jeff Appleton	10/19/2017	TRUE	sewer issue- clean out in front yard- flush line	CLEANOUT DOWN REPAIR ON PROP OWNER MS GG	MS	no
244 North Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/19/2017	TRUE	at the rear of the building	UNSTOPPED C/O MS GG	MS	no
212 S. Sixth Street	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/20/2017	TRUE	Sewage Backup	unstopped through c/o ms gg	MS	no

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S	1975 H.T. Bailey	670 Sewer	Bridgett Winters	Jeff Appleton	10/20/2017	TRUE	stopped up again 2 6" cleanout full of water	JEFF SAID THIS COMPLEX HAS A PRIVATE LIFT STATION WE HAVE NOTHING TO DO WITH THIS ISSUE- WE DON'T FIX LEAKS OR SEWER ISSUES. *****REPAIR ON P/O APARTMENTS HAVE THEIR OWN PUMP STATION MS GG	no				
	1546 Marilyn Avenue	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/20/2017	TRUE	Leaves backing up in her sink	NO C/O MS GG	no				
	631 S. California	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/20/2017	TRUE	Sewage backup	IMPROPER C/O MS BW	no				
	993 Thornton Street	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/20/2017	TRUE	Sewage backup	IMPROPER C/O MS GG	no				
	1337 East John Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/23/2017	TRUE	SAYS SHE HAS C/O ON ROW	clean out down- b-winters-msubers	no				
	2507 Naples Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/23/2017	TRUE	C/O IS ON PROPERTY LINE IN BACK SAID WE HAVE BEEN TO HIS HOUSE BEFORE DIGGING IN FRONT YARD, HES NOW STARTED HAVING PROBLEMS AGAIN	Unstopped clean out-bwinters-msuber	no				
	1544 Woodcrest Cove	670 Sewer	Gigi Lewis	Jeff Appleton	10/23/2017	TRUE		unstopped clean out - b-winters-msuber	no				
IS	2409 EAST ALEXANDER	670 Sewer	Bridgett Winters	Jeff Appleton	10/23/2017	TRUE	NAME: LEWIS THOMAS PLUMBING - NUMBER: 662-347-0074 - ADDRESS: 2409 3EAS ALEXANDER - COMPLAINT: PLUMBING IS STOPPED UP AND RUNNING INTO THE CITY LINE -	unstopped cleanout -bwinters-msuber	no				
	631 South California Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/24/2017	TRUE	has no idea about clean out,	Improper cleanout also down repair on property owner-10/24/2017- Msuber- Bwinters	no				
	408 Pollock Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/24/2017	TRUE	c/o is by the house, was told about policy, still insist we come out	Unstopped clean out -bwinters-msuber	no				
	2268 Timber Cove	670 Sewer	Gigi Lewis	Jeff Appleton	10/24/2017	TRUE	sewer issues says she has c/o on row plumber just left issue on sewer side- cleanout near the street stopped up. The other one is closer to the home. Toilets are bubbling up and wont flush	unstopped clean out -Msuber- Bwinters	no				
	1538 North David Circle	670 Sewer	Bridgett Winters	Jeff Appleton	10/24/2017	TRUE		clean out down, improper clean out- needs to dose to the street- Msuber-Bwinters	no				
	1544 Woodcrest Cove	670 Sewer	Gigi Lewis	Jeff Appleton	10/24/2017	TRUE	something going on we were just there yesterday	CLEAN OUT IS DOWN, *****NEEDS A PLUMBER	no				
	732 Dublin Street	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/25/2017	TRUE	Sewage back up	CLEAN OUT IS DOWN-BWINTERS-MSUBER 10/24/2017	no				
	332 Ohio Street	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/25/2017	TRUE	Backed up sewer	UNSTOPPED C/O MS GG	no				
	1437 Causey Drive	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/25/2017	TRUE	Sewer backup	Improper c/o P/O RESPONSIBLE FOR REPAIR MS GG	no				
	1351 South Theobald Street	670 Sewer	Felicia Wilkerson	Jeff Appleton	10/25/2017	TRUE	City just repair some work today and put the dirt in the ditch, customer said if they don't remove the dirt it would flood his office out when it rain this weekend. Please come back and get the dirt out of the ditch.	DIRT CLEANED UP BC GG	no				
	1427 EAST Causey Drive rear	670 Sewer	Gigi Lewis	Jeff Appleton	10/26/2017	TRUE	Be aware of snakes.	REPLACED BC GG	no				
	857 North Theobald Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/27/2017	TRUE	has been reporting a water leak, now says sewer is aching up	water leak c/o down ms gg	no				
	2227 Short Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/27/2017	TRUE	SEWER BACKING UP IN HOUSE, SAYS SHE HAS A CLEAN OUT	c/o down ms gg	no				
	929 South Hinds Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/30/2017	TRUE	sewer in back, limbs blocking alley	UNSTOPPED CLEANOUT MS	no				
	624 Hernando Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/30/2017	TRUE	Amy Covington Sewer line is stopped- he tried to rod it out- east side of building	unstopped c/o ms gg	no				
	434 North Colorado Street	670 Sewer	Gigi Lewis	Jeff Appleton	10/30/2017	TRUE	said c/o is at ROW	c/o down and flowing ms gg	no				
	929 Hinds	670 Sewer	Bridgett Winters	Jeff Appleton	10/31/2017	TRUE	sewage issue- stopped up in the alley	UNSTOPPED C/O MS GG	no				
	801 South Hinds Street	670 Sewer	Bridgett Winters	Jeff Appleton	10/31/2017	TRUE	clean out in front yard- sewage stopped up	IMPROPER CLEAN OUT MS GG	no				
	2011 Audubon Place	670 Sewer	Gigi Lewis	Jeff Appleton	11/2/2017	TRUE	Please check M/H, that seems to be the problem each time	break down in the main line -bwinters-msuber- we must dig this out its incomplete	no				
	318 South Harvey Street	670 Sewer	Bridgett Winters	Jeff Appleton	11/2/2017	TRUE	sewage stopped up - clean out on the side of the house	Improper clean out - no action taken- 11/2/17- msuber-bwinters	no				

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DS RO/1880 Fairgrounds Road	670 Sewer	Gigi Lewis	Jeff Appleton	11/14/2017	TRUE	MAINTENANCE MAN NOT THERE TODAY, THEY HAVE NO HELP TO GET RELIEF	clean out down repair on p/o	ms	gg	no				
101 S 9th St	670 Sewer	Milton Kearney	Jeff Appleton	11/15/2017	TRUE	Sewer blockage, c/o near house, manhole front.	Improper clean out repair on property owner m-submer-bwinters			no				
1451 Marilyn Avenue	670 Sewer	Gigi Lewis	Jeff Appleton	11/15/2017	TRUE	SEWER IS BACKING UP IN HER HOUSE, SHE IS NOT SURE ABOUT THE C/O	service line collapsed - dig out needed- 11/15-17- bwinters-marques submer- incomplete I guess. *****PROBLEM ON THE PROPERTY OWNER***	BC	GG	no				
505 Cornell	670 Sewer	Bridgett Winters	Jeff Appleton	11/15/2017	TRUE	drain hole 10 feet deep with nothing covering it- possibly a man hole cover missing, hes not sure, major safety issue	REPLACED COVER	MS	GG	no				
203 North 6th Street	670 Sewer	Bridgett Winters	Jeff Appleton	11/15/2017	TRUE	citys main line is stopped up at the street- sewage issue	unstopped clean out -msuber-bwinters			no				
Wright 638 Nelson Street	670 Sewer	Bridgett Winters	Jeff Appleton	11/15/2017	TRUE	unstop grease trap	unstopped manhole- bwinters-msuber			no				
1309 North Saint Joseph's Circle	670 Sewer	Gigi Lewis	Jeff Appleton	11/16/2017	TRUE	SAID THERE IS A M/H BEHIND HER HOUSE THAT IS FULL AND HER SEWER IS BACKING UP	unstopped manhole-m-suber- bwinters			no				
1316 Goodrich Street	670 Sewer	Gigi Lewis	Jeff Appleton	11/16/2017	TRUE	sewer is backing up, line needs to be cameraed	service line needs replacing - dig out needed- incomplete- m suber- bwinters			no				
1451 Marilyn Avenue	670 Sewer	Bridgett Winters	Jeff Appleton	11/16/2017	TRUE	sewage issue in front her home	**REPLACED LINE	BC	MS	GG	no			
102 9th	670 Sewer	Bridgett Winters	Jeff Appleton	11/16/2017	TRUE	plumber called says man hole in front of it is up. Run the line to clear it	service line collapsed- dig out - incomplete msuber- bwinters 11/16/17			no				
516 Locust Alley	670 Sewer	Bridgett Winters	Jeff Appleton	11/16/2017	TRUE	Everything is stopping up in the area- please check city line- clean out in front of home- near the rock pile	*****PROBLEM ON THE PROPERTY OWNER***	BC	GG	no				
808 Hampgreen Street	670 Sewer	Gigi Lewis	Jeff Appleton	11/16/2017	TRUE	have no idea about c/o was taken downstairs	unstopped manhole - msuber-bwinters			no				
1607 South Lynne Circle	670 Sewer	Bridgett Winters	Jeff Appleton	11/17/2017	TRUE	CLEANOUT NEAR MAILBOX- SEWAGE STOPPED UP FOR ABOUT A WEEK	correct address is 516 Locust alley- unstopped manhole- m-suber- bwinters			no				
365 Shackelford Street	670 Sewer	Gigi Lewis	Jeff Appleton	11/20/2017	TRUE	lady has been having sewer issues all weekend, doesnt know about c/o, please CALL ME BACK, HUSBAND HAS DEMENTIA. So i can tell her if she needs to call a plumber	UNSTOPPED C/O	MS	GG	no				
513 Cherry Street	670 Sewer	Gigi Lewis	Jeff Appleton	11/20/2017	TRUE	SAID THE SIDEWALK HAS COLLAPSED ON TOP OF THE SEWER LINE	UNSTOPPED C/O	MS	GG	no				
1703 Causey Drive	670 Sewer	Gigi Lewis	Jeff Appleton	11/20/2017	TRUE	SEWER IS BACKING UP IN HER HOME, SHE HAS A NEW BORN AND CANT LEAVE TO GO ANYWHERE TO USE THE BATHROOM. THINKS C/O IS ON ROW	REPAIR ON PROPERTY OWNER	MS	GG	no				
242 Saint Anthony Street	670 Sewer	Gigi Lewis	Jeff Appleton	11/20/2017	TRUE	sewer with leaves etc coming back into toilet	UNSTOPPED IMPROPER C/O, NEEDS TO INSTALL PROPER C/O	MS	GG	no				
1227 Fairview Avenue	670 Sewer	Gigi Lewis	Jeff Appleton	11/20/2017	TRUE	in front of her home	no water leak found ck. By f.johns			no				
913 Campbell Street	670 Sewer	Gigi Lewis	Jeff Appleton	11/21/2017	TRUE	SAID C/O IS NEAR SIDEWALK???	Sewer Leak unstopped c/o	ms	gg	no				
408 Pollock Street	670 Sewer	Gigi Lewis	Jeff Appleton	11/21/2017	TRUE	said her toilet is backing up again, can we run the camera through the line to see what is going on?	unstopped c/o	ms	gg	no				
942 Cannon Street	670 Sewer	Gigi Lewis	Jeff Appleton	11/22/2017	TRUE	no dogs in yard, sewer goes out the back	unstopped clean out	ms	gg	no				
804 Arnold Avenue	670 Sewer	Gigi Lewis	Jeff Appleton	11/22/2017	TRUE	SAID HIS PLUMBER (I COULD NOT UNDERSTAND NAME) SAID HE RODDED IT OUT AND THE BLOCKAGE WAS ON THE CITY. C/O IS SUPPOSED TO BE ON ROW.	unstopped c/o	ms	gg	no				

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439 South 8th	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	sewer line stopped up on city side- when he washes it backs up into the house	UNSTOPPED C/O	MS	GG	no		
1225 Kirk Circle	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	sewer problem-backing up	UNSTOPPED C/O	MS	GG	no		
1225 Kirk Circle	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	sewerage issue-	UNSTOPPED C/O	MS	GG	no		
2501 South Sanullo Circle	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	sewer problem	pump station charged	ms	gg	no		
						plumber has been back, sewage backing up- he's here in my office. Please blow drain line- problem is in first duplex	UNSTOPPED C/O	MS	GG	no		
417 Valliant Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	sewage backing up - ongoing	improper cleanout as per Marques- 12/4/2017 bwiners- we did clean out as a courtesy today	ms	gg	no		
412 Pollock Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	sewage issues, two clean outs in front yard	UNSTOPPED C/O	MS	GG	no		
1282 Fairview	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	sewer issue, they have rodded line already lines have been marked when will you start digging	UNSTOPPED C/O	MS	GG	no		
1256 Greenway Avenue	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	clean out is new in the front yard- we have blown the line 5 or 6 times already	FIXED SERVICE LINE	MS	GG	no		
1253 Belfast Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	sewer problem per our conversation...tw	unstopped clean out	ms	gg	no		
619 Cross Street	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/4/2017	TRUE	cleanout available- sewer issue	cleanout down. Repair on p/o	ms	gg	no		
303 N. Orange Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	last house, she said never had sewer issue until work began on her street.	unstopped c/o	ms	gg	no		
615 Valliant Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/4/2017	TRUE	alien plumbing is at her house, says he cant get her unstopped.	improper c/o repair on p/o	ms	gg	no		
863 North Theobald Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/5/2017	TRUE	SEWER IS BACKING UP C/O IS BY THE DRIVE	no clean out repair on p/o	ms	gg	no		
122 Rose Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/5/2017	TRUE	SEWER IS BACKING UP AGAIN, SEWER GOES OUT THE REAR	c/o down repair on p/o	ms	gg	no		
177 Fava Drive	670 Sewer	Gigi Lewis	Jeff Appleton	12/5/2017	TRUE	OWNED BY JOE ROBERT CAMPBELL	unstopped c/o	ms	gg	no		
942 Cannon Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/5/2017	TRUE	NO IDEA ABOUT C/O OWNED BY JOE ROBERT CAMPBELL	unstopped c/o	ms	gg	no		
1423 OLD LELAND ROAD	670 Sewer	Gigi Lewis	Jeff Appleton	12/5/2017	TRUE	NO IDEA ABOUT C/O. OWNED BY JOE ROBERT CAMPBELL	unstopped c/o	ms	gg	no		
1433 OLD LELAND ROAD	670 Sewer	Gigi Lewis	Jeff Appleton	12/5/2017	TRUE	sewer is backing up again, PLEASE CHECK AND SEE WHAT IS WRONG	unstopped c/o	ms	gg	no		
14737 OLD LELAND ROAD	670 Sewer	Gigi Lewis	Jeff Appleton	12/5/2017	TRUE	SHE LEFT HOME AND WHEN SHE RETURNED WATER HAD FILLED HER TUB UP. Last time thi happened the city was working in the area?	unstopped c/o	ms	gg	no		
1428 South Theobald Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/6/2017	TRUE	she is having sewer issues and said she has installed a c/o and is waiting on the city to come back. I do not have a work order for this address so i have no idea what she is talking about	no cleanout	ms	gg	no		
816 South Shelby Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/6/2017	TRUE	told join she has 2 c/o's	unstopped c/o	ms	gg	no		
						doesn't know about c/o, said she had a plumber there a month ago and he told her she had problems on the city side. We have no record of going out to (404 south cornell) in the system in the last 2 months. Let me know if she needs a c/o	unstopped c/o	ms	gg	no		
1567 Marilyn Avenue	670 Sewer	Gigi Lewis	Jeff Appleton	12/6/2017	TRUE	sewage issue- tissue coming out of pipe	UNSTOPPED C/O	MS	GG	no		
535 Holt Collier Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/7/2017	TRUE	We worked in neighbors yard on a sewer line last month and tore his yard up and didn't repair it. They parked a dozer in his yard. He wants yard planted or sodded please check this, he is an elderly man, couldn't hear me very well on the phone	NO SEWER ISSUES	MS	GG	no		
						sewage blocked at the street, now coming into his home- clean out in front of his home- look to the right of the front door	PUMP STATION CHARGED UP	MS	GG	no		
404 South Cornell Avenue	670 Sewer	Gigi Lewis	Jeff Appleton	12/7/2017	TRUE	sewage issue- clean out near the tree in front yard	UNSTOPPED C/O IMPROPER	MS	GG	no		
229 North Hymian Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/7/2017	TRUE		UNSTOPPED C/O	GG		no		
RR#246 BERMUDA	670 Sewer	Bridgett Winters	Jeff Appleton	12/7/2017	TRUE							
2440 South Sanullo Circle	670 Sewer	Gigi Lewis	Jeff Appleton	12/7/2017	TRUE							
1806 Lance Drive	670 Sewer	Bridgett Winters	Jeff Appleton	12/7/2017	TRUE							
1270 Wortham	670 Sewer	Bridgett Winters	Jeff Appleton	12/8/2017	TRUE							

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ITCHE 2854 CHAMPION DRIVE	670 Sewer	Bridgett Winters	Jeff Appleton	12/15/2017	TRUE	BEATRICE MITCHELL, 2854 CHAMPION DRIVE - 662-822-5514, SEWAGE IS BACKING UP IN FRONT YARD. there for 2 weeks- in front of her home	unstopped clean out, Improper clean out- bwinlers-msuber	no				
1811 Smith Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/15/2017	TRUE	the last call we had from them slated repairs needed to be made by the property owner	REMOVED	no				
1625 Highway 1 South	670 Sewer	Gigi Lewis	Jeff Appleton	12/15/2017	TRUE	C/O is at the curb	private property repair on owner-bwinlers-msuber	no				
311 South 8th Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/15/2017	TRUE	there is a sink hole that has appeared in his yard, the sewer main is in this area	unstopped clean out -msuber-bwinlers	no				
531 Wilkwood Road	670 Sewer	Gigi Lewis	Jeff Appleton	12/15/2017	TRUE	SEWER BACKING UP IN HER HOUSE. SAID C/O IS BY STREET	repaired- suber- bwinlers break down on yard repair is on property owner-msuber-bwinlers	no				
824 Walhall Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/15/2017	TRUE	city sewer line is stopped up	repair on property owner- msuber-bwinlers	no				
1277 Luster Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/15/2017	TRUE	LAST RECORD ON 11/9/17 SAYS C/O WAS DOWN. HE SAYS HE IS STILL HAVING PROBLEMS AND ITS AT THE C/O ON CITY ROW	clean out down-repair on property owner - msuber-bwinlers	no				
2804 East Alexander Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/15/2017	TRUE	C/O?	unstopped clean out -msuber-bwinlers	no				
2409 East Alexander Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/15/2017	TRUE	he has two cleanout one is near the street- stopped up- sewer issue	unstopped clean out - msuber-bwinlers	no				
989 Patton Drive	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	sewer issue - clean out near street please blow the line	unstopped clean out - msuber-bwinlers	no				
812 Ashburn Road	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	Improper clean out- experiencing sewer issues	unstopped clean out- bwinlers-msuber	no				
1159 Wanda Drive	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	clean out is located near the street- having sewer issue	Improper Clean out - msuber-bwinlers	no				
1567 Maelyn Avenue	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	clean out is near their street- sewage issue please blow out the line	unstopped cleanout- msuber-bwinlers PUMP STATION CHARGED UP MS GG	no				
385 North Beauchamp Avenue	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	sewer issue- connection problem at the street	clean out - down m suber-bwinlers	no				
1824 Lance Drive	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	sewer backing up - has a cleanout	unstopped clean out- msuber-bwinlers	no				
2268 Timber Cove	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	sewer issue	unstopped cleanout- bwinlers-msuber	no				
1057 Baskin Drive	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	sewer issue for three weeks	fixed breakdown- brian cook- bwinlers	no				
1725 Alabama Drive	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	sewer issue	Pump Station charged up - msuber-bwinlers	no				
810 South Beauchamp Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/18/2017	TRUE	clean out is near the street, it has water in it, we've been out already but couldn't locate the cleanout now the plumber has found it- sewage issue	UNSTOPPED C/O MS GG	no				
824 Walhall Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/19/2017	TRUE	sewage issue- 3rd time we've been out- clean out in front near the street	CLEAN OUT WAS GREASED UP BC GG	no				
429 South 8th Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/19/2017	TRUE	sewer issue- problem at street in cleanout	duplicate	no				
1704 North Robertshaw	670 Sewer	Bridgett Winters	Jeff Appleton	12/19/2017	TRUE	Ongoing problem- they normally work on haycraft	UNSTOPPED C/O MS GG	no				
1903 East College Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/19/2017	TRUE	sewage backing up in the house- sewer issue- clean out on premises	UNSTOPPED C/O MS GG	no				
385 North Beauchamp Avenue	670 Sewer	Bridgett Winters	Jeff Appleton	12/19/2017	TRUE	ongoing sewer issue	UNSTOPPED C/O MS GG	no				
2411 North Sanullo Circle	670 Sewer	Bridgett Winters	Jeff Appleton	12/19/2017	TRUE	sewage backing up int the house - 3rd call today	UNSTOPPED THROUGH C/O, C/O IS IMPROPER BUT P/O IS SIGHT IMPAIRED BC MS GG	no				
825 Hart Drive	670 Sewer	Bridgett Winters	Jeff Appleton	12/19/2017	TRUE	SEWAGE ISSUE- CLEAN OUT IN FRONT YARD	improper clean out 12/19/17- msuber-bwinlers	no				
927 East Lynne Circle	670 Sewer	Bridgett Winters	Jeff Appleton	12/20/2017	TRUE	SEWER ISSUES	unstopped cleanout -bwinlers-msuber	no				
1704 North Robertshaw	670 Sewer	Bridgett Winters	Jeff Appleton	12/20/2017	TRUE	Sewer stopped up again, city has been out there several times	unstopped -bwinlers-msuber	no				
508 Jo Ann Circle	670 Sewer	Bridgett Winters	Jeff Appleton	12/20/2017	TRUE	Sewer problem	pump station charged - bwinlers-msuber SEE #44368	no				
429 S. 8th Street	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE		unstopped clean out-bwinlers-msuber	no				
1057 Baskin Drive	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE		pump station charged 12/20/17-msuber-bwinlers	no				
2501 N. Sanulla	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE			no				
1462 Hwy 1 South	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE			no				
1065 Baskin Drive	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE			no				

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1719 George Abraham Drive	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE	Sewer backing up in manhole	REPAIRED 1 1/4" LINE GG	no		
2285 White Oak Drive	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE	Sewer back up per our conversation	pump statio charged 12/20/17 msu	no		
872 Ashburn Road	670 Sewer	Felicia Wilkerson	Jeff Appleton	12/20/2017	TRUE	Sewer problem	UNSTOPPED BC MS GG	no		
							unstopped c/o ms gg	no		
3335 Nancy Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/21/2017	TRUE	sewer is trying to back up, no idea about c/o	no sewer problem per ms gg	no		
							storm drain issue-msu	no		
							12/22/2017	no		
467 North Delesseps Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/21/2017	TRUE	john took call they have no idea about c/o. 12/22/17 called back c/o is beside his house	Pump Station charged- msu	no		
2440 South Sanullo Circle	670 Sewer	Gigi Lewis	Jeff Appleton	12/21/2017	TRUE	12/27/2017 called again, still having problems	recall- bwiners 1/3/2018	no		
							not sure he has c/o on ROW, he has one by his house	no		
2501 North Sanullo Circle	670 Sewer	Gigi Lewis	Jeff Appleton	12/21/2017	TRUE	88 YR OLD CANT USE BATHROOMS, SEWER BACKING UP	pump station charged- msu	no		
							SEWER BACKING UP. SHE JUST MOVED IN HOUSE AND WANTS TO SETTLE THIS ISSUE BEFORE SHE MOVES IN	no		
508 Jo Ann Circle	670 Sewer	Gigi Lewis	Jeff Appleton	12/21/2017	TRUE	SEWER ISSUE SENT WHILE I WAS OUT SICK	Improper clean out- msu	no		
1703 Leslane Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/21/2017	TRUE	pump station backing up	Improper clean out- msu	no		
theobald and broadway	670 Sewer	Gigi Lewis	Jeff Appleton	12/21/2017	TRUE	sewer issues , was turned in under storm sewer cause thats what she said was wrong	working per jeff gg	no		
2824 East Alexander Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/21/2017	TRUE	SEWER IS IN THE REAR. MH DIRECTLY BEHIND HER HOUSE. PLEASE GET HER SOME SORT OF RELIEF	fixed- 12/21/17- msu	no		
2522 Turin Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/22/2017	TRUE	sewage issue - clean out in front yard near the street	clean out down repair on property owner- msu	no		
2502 North Sanullo Circle	670 Sewer	Bridgett Winters	Jeff Appleton	12/22/2017	TRUE	HAS C/O AT STREET	system was charged- sub	no		
569 Jo Ann Circle	670 Sewer	Gigi Lewis	Jeff Appleton	12/22/2017	TRUE	SEWER HAS A C/O? JOHN TOOK CALL	unstopped - msu	no		
535 Holt Collier Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/22/2017	TRUE	everytime he wash clothes and it backs up into his carpet- was suppose to run a camera Monday but they never came. This only happens when he washes. Hes waiting on you all to come back and fix it correctly. He replaced all of his pipes. We dug it up 3 years ago and it worked for a month. no said she turned it in early this week, no record was found. c/o is near her house.	unstopped clean out- bwiners - msu	no		
1824 Lance Drive	670 Sewer	Bridgett Winters	Jeff Appleton	12/22/2017	TRUE	SEWER ISSUES	unstopped cleanout- bwiners- msu	no		
1257 Goodrich Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/22/2017	TRUE	said her tenants have been having problems for a few days, i told her about pumps, she wants it on record she filed a complaint about sewer. I was out first part of the week	CITY SIDE IS CLEAR, BLOCKAGE ON P/O MS GG	no		
2412 North Sanullo Circle	670 Sewer	Bridgett Winters	Jeff Appleton	12/22/2017	TRUE	CITIZEN SAID MPH COVER IS MISSING IN FRONT OF THIS ADDRESS	unstopped bc gg	no		
336-338 South Beauchamp Avenue	670 Sewer	Gigi Lewis	Jeff Appleton	12/22/2017	TRUE	sewage issue- camera the line- hose burst the last time they were out there	CLOSED GG	no		
764 Carver Circle	670 Sewer	Gigi Lewis	Jeff Appleton	12/22/2017	TRUE	sewer stopped up, not sure about c/o	unstopped clean out	no		
535 Holt Collier Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE	sewer is backing up into house, no idea about c/o. john took call	replaced - bwiners- msu	no		
1347 East John Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/27/2017	TRUE	BOTH WATER AND SEWER ARE ON THEIR SIDE OF THE ROAD IN THE FRONT	unstopped clean out- repeat- bwiners- msu	no		
275 Stockton Drive	670 Sewer	Gigi Lewis	Jeff Appleton	12/27/2017	TRUE		unstopped clean out	no		
1037 Cedar Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/27/2017	TRUE		unstopped clean out- bwiners- msu	no		

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702 South Broadway Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE	Plumber has dug up line - please point city's main line so they can tie into it- knock on the door	clean out - unstopped - b-winters- msuiber	no				
1202 Highway 82 East	670 Sewer	Gigi Lewis	Jeff Appleton	12/27/2017	TRUE	SAID HES BEEN CALLING FOR A FEW DAYS. HAS BIG ISSUES, TOILETS ALL BACKING UP AND WONT FLUSH. BRIAN IS CHECKING AND WILL LET ME KNOW sewer blockage do ? p/o says toilet slow to flush neighbors report same problem	manhole was charged - unstopped clean out down -b-winters-msuiber	no				
1131 Boyd St.	670 Sewer	Russell Reynolds	Jeff Appleton	12/27/2017	TRUE	SEWAGE BACKING INTO TUB AND TOILET- TWO DIFFERENT PLUMBERS HAS BEEN OUT- THEY KEEP HITTING SOMETHING- THEY THINK CITY LINE HAS BEEN DETACHED- BREAK IS NEAR CURB	e/m #59 & #3 1100hrs no clean out- b-winters- m suiber	no				
1578 East David Circle	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE		LINE REPLACED BY P/O BC MS GG	no				
817 Johnson Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE	sewage issue- he had a note left on his door- "problem unsolved" improper clean out- when it rains he has problems - he wants to know why this happens everytimes to rains- he's ok right now but he wants his problem resolved, he worked really hard to clean the line during the Christmas Holiday	NOT A CITY ISSUE MS GG	no				
842 Cannon Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE	sewage issue still going on- he is still waiting- his clean out is in the right place, it's the city's line	clean out - unstopped	no				
1202 Highway 82 east	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE	HE TRIED TO ROD THE LINE BUT THE ROD WILL NOT GO IN THE LINE- PLUMBER LEWIS THOMAS SAID HE IS OUT THERE NOW	manhole was charged - unstopped clean out down -b-winters-msuiber	no				
510 COLORADO	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE	he tried to rod the line but they cant get it go through- sewer issue	UNSTOPPED MS GG	no				
1449 Roosevelt	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE	she called this morning, she wants you all there today its an urgent sewer issue- please hurry	UNSTOPPED C/O MS BC GG	no				
467 North Delesseps Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/27/2017	TRUE	and again on 1/3/18	UNSTOPPED THROUGH C/O MS GG	no				
549 S. Percy	670 Sewer	Russell Reynolds	Jeff Appleton	12/28/2017	TRUE	resident says Allen plumbing says neighbor directly to the right of them has tied into their sewer line. 335-3709 contact also. This is causing repeated backups. Possible common line in back?	called #3 and #22 1309hrs common sewer line - msuiber-b-winters	no				
1805 McClain Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/28/2017	TRUE	we are digging sewage in front of him, now the neighbor has having a sewage issue- please check- just starting having the problem	UNSTOPPED C/O MS GG	no				
633 Hernando Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/28/2017	TRUE	please check, he spoke to jeff, and seems to think there is a break down in the sewer service line. CALL HIM AND HE WILL SHOW YOU WHERE THE WATER IS COMING UP AT	NO BREAKDOWN, UNSTOPPED MS GG	no				
2621 Highway 82 E	670 Sewer	Bridgett Winters	Jeff Appleton	12/28/2017	TRUE	sewage stopping up normally the stoppage is on Naples Street behind MS tile loan stilling waiting on sewer crew	STATION CHARGED UP BC GG	no				
1805 McClain	670 Sewer	Bridgett Winters	Jeff Appleton	12/28/2017	TRUE		duplicate GG	no				
535 Holt Collier Street	670 Sewer	Bridgett Winters	Jeff Appleton	12/28/2017	TRUE	still waiting on line to be camered said sewer water is coming up on the lot next door to him. The map shows there is a state owned lot in the middle of two lots that he owns i am enclosing a arogis map of the address	UNSTOPPED THROUGH C/O BC	no				
1516 South Delesseps Street	670 Sewer	Gigi Lewis	Jeff Appleton	12/28/2017	TRUE	toilets very slow to flush and takes a while for water to come back in toilet. There is a m/h in his front yard	capped off- m. suiber- b-winters	no				
1833 Kimrick Cove	670 Sewer	Gigi Lewis	Jeff Appleton	12/29/2017	TRUE		M/H NEEDS FLUSHING MS BC GG	no				

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APPENDIX C

Summary of SSOs to Date

City of Greenville, MS, Sanitary Sewer Overflows to Date							
Number	Date	Group number	Mini-System	Time (hours)	Volume (Gallons)	Location/Address	Notes
1	4/15/2016	2	1	2.00	200	1009 Duncan Dr.	Main Line Blocked, Overflow
2	4/15/2016	1	21A	0.50	25	1065 Baskin Dr.	Main Line Blocked, Overflow
3	4/15/2016	2	7	1.00	100	1141 Goodrich St.	Main Line was up, Overflow
4	4/15/2016	1	3D	0.25	10	125 Arnold Ave. Apt. 4	
5	4/15/2016	3	12B	2.00	250	Pizza Hut Hwy 1 South	On Pizza Hut property, (1)
6	4/19/2016	2	7	0.25	25	1100 Highland Plantation	Ditch is full of water, Overflow
7	4/19/2016	3	12B	2.00	200	Pizza Hut Hwy 1 South	Overflow on Pizza Hut property, (2)
8	4/28/2016	3	22B	0.10	10	1237 Park Ln.	
9	4/28/2016	3	22B	0.50	25	1476 Ed Grey Dr.	Main Line was up
10	4/28/2016	3	12B	1.00	50	S. MLK by C Spire	Lift Station up
11	4/29/2016	2	21B	0.25	10	1704 N. Robertshaw	Main Line up
12	4/29/2016	1	12A	2.00	5000	247 Dallis Dr.	Lift Station Overflow
13	5/2/2016	1	12A	0.50	25	173 Dallis Dr.	Main Line up
14	5/9/2016	3	28B	1.00	50	38 Bonda Dr.	System was up
15	5/9/2016	3	22B	0.25	15	1269 Garden Dr.	Lift Station up, (1)
16	5/12/2016	1	21A	1.00	250	1604 MLK Dr.	Lift Station @ Walmart
17	5/17/2017	3	22B	0.25	25	1269 Garden Dr.	Pump Station Surcharged, (2)
18	5/23/2017	1	27	0.25	250	127 Wildwood Dr.	Overflow, Sewer coming up in the middle of street
19	6/1/2016	3	28B	0.50	100	2816 Champion Dr.	Manhole Overflow
20	6/1/2016	1	2	1.00	100	851 N. Theobald	Overflow from Lift Station, (1)
21	6/3/2017	1	2	0.50	100	851 N. Theobald	System Surcharged, Overflow (2)
22	7/5/2016	1	8	0.50	3000	1417 S. Theobald St.	Lift Station Overflow, (1), Entergy Power failure
23	7/5/2016	1	2	1.75	500	851 North Theobald St.	Clean Out, (3), Entergy Power failure
24	7/5/2017	1	2	1.75	500	630 Longwood Dr.	Cleanout overflow, power failure
25	7/20/2016	1	8	0.25	500	1417 S. Theobald St.	Lift Station overflow, (2), Power Outage
26	7/24/2016	1	8	0.50	15000	1417 S. Theobald St.	Lift Station Overflow, (3), Power outage/surge
27	8/16/2016	1	2	12.50	50	851 N. Theobald	Clean out overflow, (4), Rainfall of 1.15"
28	8/31/2016	3	26	0.28	150	Producer's Rice Lift Station	Manhole Overflow, (1), Pump Tripped and overheated
29	10/4/2016	2	9D	1.25	300	1622 Anne Stokes Road	Manhole Overflow
30	11/18/2016	2	26	5.50	2000	Sewer Force Main in field off of Highland Plantation Rd	Sewer force main Leak (1)
31	11/28/2016	1	27	1.00	500	Gregory/Wildwood	Manhole Overflow due to rainfall, (2)
32	11/28/2016	1	2	1.00	50	851 North Theobald St.	Cleanout overflow due to rain, (5)
33	11/29/2016	1	2	1.00	50	851 North Theobald St.	Cleanout overflow due to rain, (6)
34	11/29/2016	1	2	1.50	100	Sampson Road/Horseshoe Bayou Crossing	Manhole Overflow due to rain
35	11/29/2016	1	27	1.00	100	262 Wildwood St.	Manhole Overflow due to rain, (3)
36	11/29/2016	1	27	1.00	100	Gregory/Wildwood	Manhole Overflow due to rain, (3)
37	1/2/2017	2	26	17.50	100	140 Bayou Road	Cleanout Overflow, (1), Level transducer issue at influent lift station at WPPT
38	1/2/2017	2	26	17.50	200	145 Bayou Road	Cleanout Overflow, Level transducer issue at influent lift station at WTPP
39	1/2/2017	2	26	17.50	1000	151 Bayou Road	Manhole Overflow, (1), Level transducer issue at influent lift station at WTPP
40	1/2/2017	1	27	4.00	500	162 Wildwood Dr.	Manhole Overflow due to rainfall, (4)
41	1/2/2017	1	2	6.00	200	630 Longwood/851 North Theobald St	Lift Station Cleanout (7), Power failure
42	1/2/2017	2	23	1.15	200	803 East Reed Road	Lift Station Effluent Manhole due to power failure
43	1/2/2017	1	2	6.00	1000	836 North Theobald St.	Lift Station Manhole, Power Failure
44	1/2/2017	1	2	6.00	200	851 North Theobald St.	Lift Station Cleanout (8), Power Failure
45	1/2/2017	1	8	1.00	200	1417 S. Theobald St.	Lift Station Overflow, (4), Power Failure
46	1/17/2017	1	8	2.00	20000	1417 S. Theobald St.	Lift Station/Manhole Overflow, (5), Pump Failure Electrical
47	1/19/2017	2	23	1.80	25000	743 East Reed Road	Effluent Manhole Overflow due to rainfall, (2)
48	1/19/2017	1	27	1.87	3000	WildWood/Gregory	Manhole Overflow due to rainfall, (5)
49	1/19/2017	1	2	1.55	200	630 Longwood St.	Manhole Overflow due to rainfall, (1)
50	1/19/2017	1	27	2.30	500	1976 McClain Dr.	Manhole Overflow due to rainfall, (1)
51	1/19/2017	1	2	2.35	300	851 N Theobald St.	Manhole Overflow due to rainfall, (9)
52	1/19/2017	1	2	2.08	300	Sampson Road at Townsend St.	Manhole Overflow due to rainfall
53	1/19/2017	1	27	2.86	5000	262 Wildwood St.	Effluent Manhole Overflow due to rainfall, (6)
54	2/27/2017	1	8	0.27	100	1417 S. Theobald St.	Manhole Overflow due to rainfall, (6)
55	2/28/2017	1	8	0.58	1000	1417 S. Theobald St.	Manhole Overflow due to mechanical problem at lift station, (7)
56	4/12/2017	2	26	0.87	1000	Producer's Rice Lift Station	Manhole Overflow due to Mortor starter malfunction, (2)
57	4/12/2017	2	14	1.87	400	1029 South Theobald St.	Pitting of metal of force main
58	5/16/2017	2	26	0.87	1000	151 Bayou Road	Manhole Overflow, (2) Lift Station at WTPP was De-Energized during renovations.
59	6/22/2017	1	8	0.70	7000	1417 S. Theobald St.	Manhole Overflow, (8) Lift Station lost power momentarily
60	6/23/2017	2	23	0.70	3000	743 East Reed Road	Cleanout Overflow, Excessive rainfall coupled with malfunction at receiving lift station (1)
61	6/23/2017	1	27	2.70	2000	262 Wildwood St.	Cleanout Overflow due to excessive rainfall, (7)
62	6/23/2017	1	2	6.70	100	630 Longwood Dr.	Cleanout Overflow due to excessive rainfall, (2)
63	6/23/2017	1	2	5.70	2000	851 N Theobald St.	Cleanout Overflow due to excessive rainfall, (10)
64	7/6/2017	1	32A	4.70	1000	1165 Belfast St.	Lateral Overflow
65	7/6/2017	2	24	1.70	500	1548 Alden Ln	Manhole Overflow
66	7/8/2017	1	27	2.72	2000	262 Wildwood St.	Manhole Overflow, (8)
67	7/8/2017	1	27	1.62	4000	WildWood/Gregory	Manhole Overflow, (9)
68	7/8/2017	2	23	1.40	1000	803 East Reed Road	Cleanout Overflow (2)
69	7/8/2017	1	27	1.40	1000	262 Wildwood St.	Manhole Overflow, (10)
70	7/10/2017	1	2	0.70	17000	703 North Theobald St.	Force Main Leak
71	7/27/2017	2	26	248.50	10000	1143C Highland Plantation Rd.	Force Main Leak, (2)
72	8/14/2017	1	27	2.50	300	1976 McClain St.	Manhole Overflow, (2)
73	8/14/2017	1	27	2.50	1000	262 Wildwood St.	Manhole Overflow, (11)
74	8/14/2017	1	2	3.65	1000	851 N Theobald St.	Cleanout Overflow, (11)
75	8/14/2017	1	31B	2.72	2000	1398 North Beauchamp Ext.	Manhole Overflow
76	8/14/2017	1	3A	1.72	3000	806 West Union St.	Lift Station Overflow
77	8/14/2017	2	26	0.50	1000	112 Producers Drive	Lift Station Manhole Overflow (3)
78	8/31/2017	1	2	2.60	750	851 North Theobald St.	Cleanout Overflow, (12)
79	8/31/2017	1	2	2.40	250	630 Longwood Dr.	Cleanout Overflow, (3)
80	8/31/2017	1	2	2.40	10000	848 North Theobald St.	Manhole Overflow
81	8/31/2017	1	27	1.96	800	262 Wildwood St.	Manhole Overflow, (12)
82	8/31/2017	1	27	2.33	100	1976 McClain St.	Manhole Overflow, (3)
83	10/5/2017	2	26	0.40	10000	Highland Plantation Force Main	Force Main Leak
84	10/17/2017	1	17	0.47	1000	1236 South Theobald St.	Force Main Leak
85	10/17/2017	1	3A	0.17	100	806 West Union St.	Lift Station Overflow (2)
86	12/21/2017	2	28A	9.75	8000	George Abraham Blvd. at South Colorado	Manhole Overflow
87	12/21/2017	1	27	4.75	800	262 Wildwood St.	Manhole Overflow (13)