

July 30, 2019

Chief, Environmental Enforcement Section Environment and Natural Resources Division U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611 Re: DOJ No. 90-5-1-1-09841

Karl Fingerhood Environmental Enforcement Section U.S. Department of Justice Box 7611 Ben Franklin Station Washington, D.C. 20044-7611 Brad Ammons
Environmental Engineer
Clean Water Enforcement Branch
Municipal and Industrial Enforcement
U.S. EPA Region 4
61 Forsyth Street, SW
Atlanta, GA 30303

Diane Schober
Office of Pollution Control
Environmental Compliance & Enforcement Div.
P.O. Box 2261
Jackson, MS 39225-2261

Re: City of Jackson, Mississippi - EPA Consent Decree Quarterly Report No. 25

Dear Lady and Sirs:

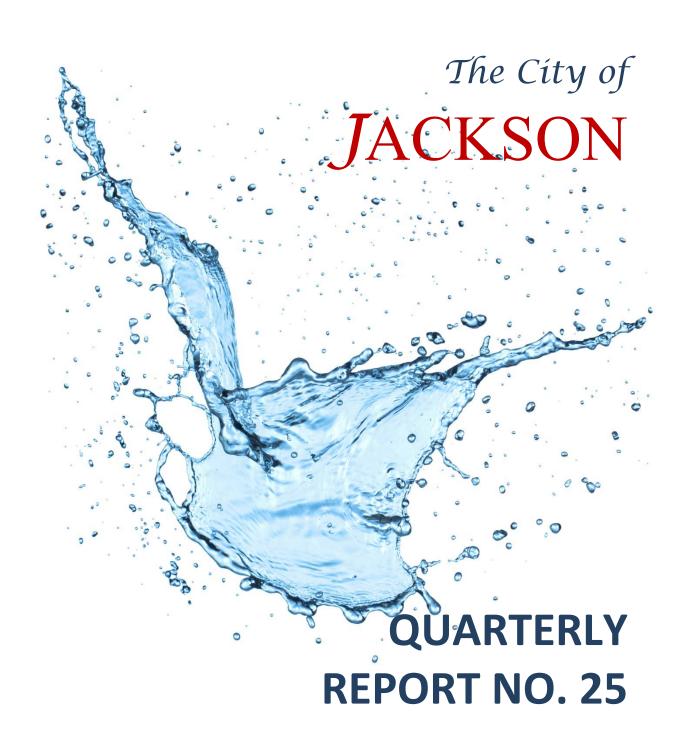
On behalf of the City of Jackson, please find enclosed the Jackson Consent Decree Quarterly Report No. 25. Should you have any questions, please contact me.

Sincerely,

David Hauser, P.E. Program Manager

Enclosure

Cc: Honorable Chokwe Antar Lumumba, Mayor, City of Jackson Timothy C. Howard, City Attorney, City of Jackson Robert Miller, Director of Public Works, City of Jackson Terry Williamson, Legal Counsel, City of Jackson Public Depository, Eudora Welty Public Library



APRIL 2019 THROUGH JUNE 2019

Department of Public Works Consent Decree Program

City of Jackson Wastewater Infrastructure Redevelopment Program

Quarterly Report No. 25 April 2019 through June 2019

July 30, 2019

Prepared for:

City of Jackson Department of Public Works P.O. Box 17 Jackson, MS 39205-0017

Prepared by:

Burns & McDonnell 9400 Ward Parkway Kansas City, MO 64114

City of Jackson, Mississippi Quarterly Report No. 25 April 2019 through June 2019

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.

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	SISSI	and the

Chokwe Antar Lumumba Mayor

Date

Robert K. Miller, Director Department of Public Works

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Quarterly Report No. 25 April 2019 through June 2019

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1.0 Introduction

1.1 Consent Decree Overview

On March 1, 2013, the U.S. District Court for the Southern District of Mississippi entered a Consent Decree (CD) agreed to by the City of Jackson, Mississippi (City), U.S. Environmental Protection Agency (EPA), and the Mississippi Department of Environmental Quality (MDEQ,) regarding the City's wastewater collection and treatment system.

One of the ongoing requirements of the EPA Consent Decree is to submit periodic reports to demonstrate continuing compliance. The specific reporting requirements can be found in Section IX ¶ 57 of the Consent Decree. A copy of the Consent Decree, as well as previous reports, can be found on the City of Jackson website, http://www.jacksonms.gov/, under the "Wastewater Consent Decree Public Documents" link in the Document Library.

1.2 Authority to Promulgate

Burns & McDonnell Engineering Company, Inc. was retained to assist the City in addressing the requirements of the Consent Decree under a Program Management contract. Accordingly, the Program Management team compiled this Quarterly Report from information provided by the City and its contractors to fulfill the requirements of Section IX ¶ 57 (a) set forth in the CD.

The listing and graphical summaries of the SSOs and prohibited by passes for April 2019 – June 2019 are presented in Section 2 of this report.

2.0 Summary of SSOs and Prohibited Bypasses

SSOs are divided into three elements of the wastewater system: the collection system, pump stations, and West Bank Interceptor. Prohibited bypasses at the Savanna Street Wastewater Treatment Facility (SSWWTF), in periods when they occur, are listed in Section 2.4 of this report.

2.1 Collection System SSOs

Table 1 lists SSOs in the collection system for April through June 2019. Each day of a multiple day event is considered as a separate SSO, in accordance with the Consent Decree.

Figure 1 shows SSO events by month as a result of the following reported causes:

Grease Roots Solids Collapsed Pipe PS Failure Excessive flow Other

Some SSO events had multiple causes. In these instances, each cause was assigned a fractional value, adding up to one (1) cause for each event.

Figure 2 shows percentages of collection system SSOs for the quarter by cause.

Figure 3 shows total volume of SSOs for each month.

Figure 4 shows total duration of SSOs for each month.

Nineteen (19) events occurred at seventeen (17) locations on private property reported this period. The cause of these events was determined to be problems on the private laterals and the crews notified owners. These events have been reported to MDEQ.

Fifteen (15) events occurred at cleanouts on private property this period. All events were caused by problems in the City's sewer system and are included in this report.

There were twenty-one (21) events for which the duration was not determined because the cause, such as collapsed pipe, has not been resolved or no SSO was ongoing but there was evidence of a previous overflow. "Previous SSO Follow up" is an SSO for which the cause, i.e. collapsed pipe, excessive flow, etc., was not resolved at the time of the first report and a crew was following up to see if an SSO was occurring until a repair could be made. Once the cause has been resolved, the total durations can be determined and reported. Volumes reported for these events are determined from periodic follow up inspections until the cause has been resolved.

There were fourteen (14) events for which a collapsed pipe was a contributing factor to the event and of these, fourteen (14) remain unresolved. There was two (2) SSOs for which the cause has remained undetermined and will be further investigated.

There is one (1) report on March 10, 2019 that was received after Quarterly Report 24 was submitted and is included in this report.

Table 1
City of Jackson, Mississippi
Quarterly Report No. 25 – April 2019 through June 2019
Collection System SSOs

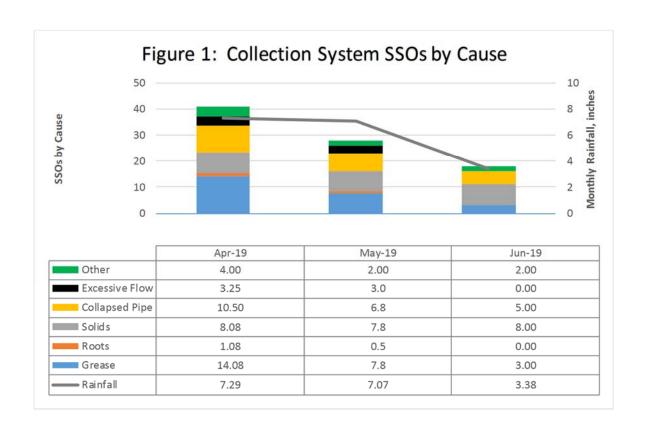
Date Began	Time Began	Location	Source	Estimated Duration, Hours	Estimated Volume, Gallons	Reached Waters of the State	Receiving Water	Rainfall, Inches	Reported Cause
3/10/2019	2:35 PM	1701 Casteel Dr	Manhole	1.30	50.00	Yes	Lynch	0.19	Grease
4/1/2019	2:15 PM	3955 Eastline Dr	Cleanout	1.08	25.00	No	NA	0.00	Collapsed Pipe
4/2/2019	9:30 AM	Mule Jail Road	Ground Surface (defective pipe underground)	Ongoing Unresolved	10,150.00	Yes	Purple	0.00	Collapsed Pipe
4/3/2019	6:55 PM	5542 Queen ⊟izabeth Lane	Cleanout	Ongoing		NA	0.00	Grease / Solids / Collapsed Pipe	
4/3/2019	7:15 PM	5055 Old Canton Rd	Manhole	0.50	70.00	No	NA	0.00	Gerase / Solids
4/3/2019	3:10 PM	4043 Pine Hill Drive	Cleanout	Ongoing Unresolved	1,800.00	No	NA	2.19	Solids / Collapsed Pipe
4/5/2019	11:55 AM	5006 Cabaniss Cir	Manhole	Previous SSO	25.00	Yes	Lynch	0.00	Excessive Flow
4/6/2019	8:40 PM	1701 Casteel Dr	Manhole	Ongoing Unresolved	3750.00	No	NA	0.47	Grease / Solids / Collapsed Pipe
4/7/2019	11:45 AM	4053 Pine Hill Dr	Cleanout	94.08	300.00	Yes	Eubanks	0.56	Collapsed Pipe
4/9/2019	8:40 AM	2103 Pow ers Ave	Manhole	Ongoing Unresolved	11,000.00	No	NA	0.00	Grease / Roots / Solids / Excessive Flow
4/9/2019	10:25 AM	342 Manship St	Manhole	Ongoing Unresolved	160,160.00	Yes	Tow n	0.11	Undetermined
4/9/2019	10:48 AM	569 N Park Lane	Manhole	4.15	560.00	No	NA	0.00	Grease
4/9/2019	4:20 PM	1915 Corley Ave	Cleanout	1.33	100.00	No	NA	0.00	Grease / Solids
4/11/2019	8:03 AM	38 Waterview Drive	Manhole	2.65	100.00	No	NA	0.00	Grease
4/11/2019	12:15 PM	1910 First Ave	Ground Surface (defective pipe underground)	Ongoing Unresolved	2,400.00	Yes	Lynch	0.00	Collapsed Pipe
4/13/2019	2:45 AM	4791 McWillie Dr	Manhole	7.88	980.00	Yes	Hanging Moss	2.82	Grease
4/15/2019	11:35 AM	4207 Oakmont Dr	Manhole	3.92	300.00	No	NA	0.00	Grease / Solids / Collapsed Pipe

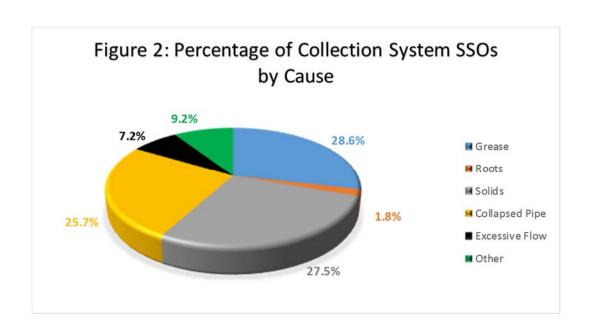
Date Began	Time Began	Location	Source	Estimated Duration, Hours	Estimated Volume, Gallons	Reached Waters of the State	Receiving Water	Rainfall, Inches	Reported Cause
4/15/2019	9:50 AM	2251 Forest Glen Dr	Cleanout	26.23	1,120.00	No	NA	0.00	Grease
4/16/2019	11:28 AM	30 Robinw ood Pl	Manhole	1.45	480.00	Yes	Purple	0.00	Grease
4/18/2019	10:55 AM	First Ave / Valley St	Ground Surface (defective pipe underground)	Ongoing Unresolved	260.00	No	NA	1.61	Solids / Collapsed Pipe
4/18/2019	8:47 AM	1125 Palmyra St	Manhole 5.77 540.00 Yes Town		Tow n	0.00	Undetermined		
4/19/2019	8:30 AM	2259 N Mill St	Manhole	13.85	2,380.00	Yes	Tow n	0.02	Not Reported
4/20/2019	7:25 PM	1915 Catalina Dr	Cleanout	1.17	100.00	No	NA	0.00	Grease / Solids
4/22/2019	11:54 AM	181 Treehaven Dr	Ground Surface (defective pipe underground)	23.97	3,720.00	No	NA	0.00	Collapsed Pipe
4/22/2019	1:45 PM	914 Carlisle St	Manhole	Ongoing Unresolved	1,350.00	No	NA	0.00	Collapsed Pipe
4/22/2019	9:05 AM	5955 Westmore Dr	Manhole	2.00	100.00	No	NA	0.00	Solids
4/24/2019	8:45 AM	5955 Westmore Dr	Manhole	9.08	Not Reported	No	NA	0.00	Roots / Solids
4/24/2019	9:00 AM	359 W Woodrow Wilson Ave	Manhole	5.67	2,040.00	Yes	Tow n	0.00	Solids
4/24/2019	6:20 PM	Forest Ave / Watkins Dr	Manhole	51.00	150.00	No	NA	0.00	Grease / Solids
4/24/2019	4:21 PM	Raymond Road / Scanlon Dr	Manhole	0.92	60.00	Yes	Hardy	0.00	Excessive Flow
4/24/2019	9:00 AM	556 ELLIS AVE	Ground Surface (defective pipe underground)	3.50	250.00	Yes	Lynch	0.00	Contractor Damage
4/26/2019	6:00 PM	131 Glenstone Cir	Manhole	0.42	Not Reported	No	NA	0.00	Grease / Solids
4/26/2019	9:41 AM	140 Maple St	Manhole	0.70	130.00	Yes	Tow n	0.00	Grease
4/26/2019	12:30 PM	1331 Rockdale Dr	Ground Surface (defective pipe underground)	Ongoing Unresolved	750.00	Yes	Eubanks	0.00	Collapsed Pipe

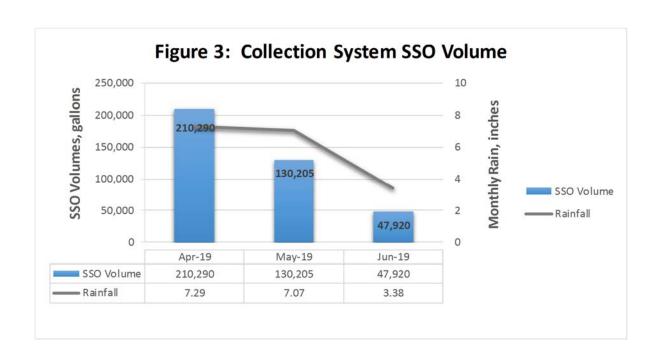
Date Began	Time Began	Location	Source	Estimated Duration, Hours	Estimated Volume, Gallons	Reached Waters of the State	Receiving Water	Rainfall, Inches	Reported Cause
4/26/2019	1:21 PM	5006 Cabaniss Cir	Manhole	1.28	670.00	Yes	Lynch	0.00	Grease
4/26/2019	10:55 PM	Keele St / Leron Ave	Manhole	0.42	100.00	No	NA	0.00	Grease / Roots / Solids
4/27/2019	10:35 AM	2981 Mcdow ell Road	Manhole	3.60	440.00	Yes	Cany	0.00	Grease
4/28/2019	10:55 AM	149 Lea Cir	Other	1.08	720.00	No	NA	0.00	Grease
4/29/2019	4:05 PM	3365 Forest Hill Dr	Cleanout	1.92	35.00	No	NA	0.00	Solids / Collapsed Pipe
4/29/2019	9:00 AM	3284 Woodview Dr	Cleanout	Previous SSO	300.00	Yes	Cany	0.00	Excessive Flow
4/30/2019	12:05 PM	1516 St Charles Street	Ground Surface (defective pipe underground)	Ongoing Unresolved	25.00	No	NA	0.00	Collapsed Pipe
5/1/2019	8:05 PM	4320 WILL O RUN DR	Cleanout	0.92	100	No	NA	0.00	Grease / Solids
5/1/2019	9:03 AM	311 KNOB HILL DR	Manhole	4.22	1,480	Yes	Lynch	0.00	Grease
5/3/2019	10:46 AM	1702 WILSON ST	Manhole	1.65	280	Yes	Tow n	0.00	Solids
5/4/2019	3:30 PM	1519 E NORTHSIDE DR	Manhole	0.08	50	No	NA	0.85	Grease / Excessive Flow
5/6/2019	2:30 PM	1701 CASTEEL DR	Manhole	1.92	15	No	NA	0.00	Collapsed Pipe / Solids
5/6/2019	1:00 PM	1815 HOSPITAL DR	Manhole	0.50	150	No	NA	0.00	Grease / Solids
5/7/2019	9:27 PM	5606 ANGLEST	Manhole	Ongoing Unresolved	32,100	Yes	Hanging Moss	0.00	Undetermined
5/8/2019	12:09 PM	5869 KINDER DR	Cleanout	1.52	145	No	NA	0.74	Undetermined
5/8/2019	10:36 PM	125 MADDOX ROAD	Cleanout	12.15 25,200 Yes Big Cre		Big Creek	1.05	Grease / Excessive Flow	
5/9/2019	9:20 AM	1701 CASTEEL DR	Manhole	e Ongoing 55,200 Unresolved		Yes	Lynch	2.25	Collapsed Pipe
5/10/2019	2:48 PM	1519 E NORTHSIDE DR	Manhole	0.87	60	Yes	Eastover	0.49	Excessive Flow

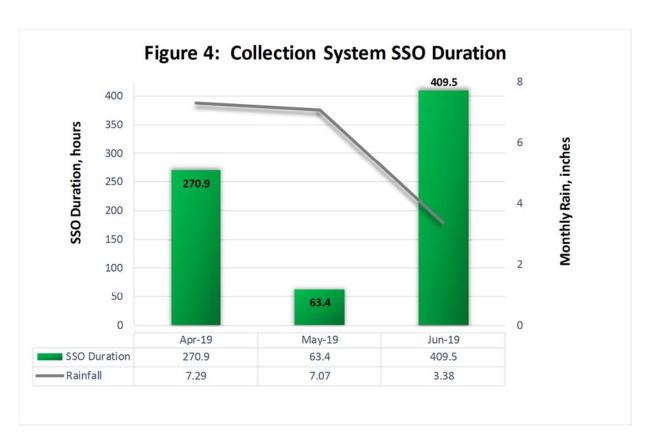
Date Began	Time Began	Location	Source	Estimated Duration, Hours	Estimated Volume, Gallons	Reached Waters of the State	Receiving Water	Rainfall, Inches	Reported Cause
5/10/2019	5:30 PM	3040 LIVINGSTON ROAD	Cleanout	Ongoing Unresolved	2,200	No	NA	0.34	Collapsed Pipe / Grease / Solids /
5/10/2019	9:00 PM	131 GLENSTONE CIR	Manhole	1.33	100	No	NA	0.43	Grease / Roots
5/11/2019	5:20 PM	1519 E NORTHSIDE DR	Manhole	0.25	25	No	NA	0.44	Grease / Solids
5/11/2019	11:53 AM	5968 HANGING MOSS ROAD	Cleanout	0.90	20	No	NA	0.37	Solids
5/13/2019	10:50 AM	611 HOUSTON AVE	Manhole	Ongoing Unresolved	7,600	No	NA	0.00	Collapsed Pipe
5/13/2019	8:03 PM	1162 ALTA VISTA BLVD	Manhole	0.83	50	Yes	Lynch	0.00	Excessive Flow
5/14/2019	9:00 PM	1172 ALTA VISTA BLVD	Manhole	1.25	100	No	NA	0.00	Grease / Solids
5/16/2019	11:24 AM	236 BRECKENRIDGE RD	Manhole	0.48	10	Yes	Hardy	0.00	Grease
5/16/2019	4:40 PM	2118 EAST DR	Ground Surface (defective pipe underground)	Ongoing Unresolved	1,600	No	NA	0.00	Collapsed Pipe
5/20/2019	9:20 AM	RAYMOND ROAD / SCANLON DR	Manhole	0.67	200	No	NA	0.00	Grease / Solids
5/21/2019	1:45 PM	6704 HANGING MOSS ROAD	Manhole	0.67	470	Yes	Hanging Moss	0.00	Collapsed Pipe
5/22/2019	9:35 AM	5606 ANGLE DR	Manhole	5.50	500	Yes	Hanging Moss	0.00	Collapsed Pipe
5/22/2019	9:09 AM	141 QUEEN ANNE LANE	Manhole	24.18	640	No	NA	0.00	Solids
5/23/2019	8:15 PM	245 MANSHIP ST	Manhole	0.58	100	No	NA	0.00	Grease / Solids
5/28/2019	10:00 PM	131 GLENSTONE CIR	Manhole	0.67	100	No	NA	0.00	Grease / Solids
5/31/2019	8:08 AM	4608 BELMEDE PL	Ground Surface (defective pipe underground)	e 1.48 1,560 Yes Eubanks		0.00	Collapsed Pipe		
5/31/2019	11:50 AM	435 MERIGOLD DR	Manhole	0.75	150	No	NA	0.00	Grease / Solids
6/1/2019	10:47 AM	1701 Casteel Dr	Ground Surface (defective pipe underground)	242.48	6,600	Yes	Lynch	0.00	Collapsed Pipe

Date Began	Time Began	Location	Source	Estimated Duration, Hours	Estimated Volume, Gallons	Reached Waters of the State	Receiving Water	Rainfall, Inches	Reported Cause
6/4/2019	1:35 PM	323 Valley St	Other	Ongoing Unresolved	200	Yes	Lynch	0.00	Collapsed Pipe
6/5/2019	1:35 PM	323 Valley St	Ground Surface (defective pipe underground)	92.42	800	Yes	Lynch	0.00	Collapsed Pipe
6/4/2019	3:11 PM	1500 Linde Road	Bypass Pump	20.37	200	Yes	Lynch	0.00	Bypass pump malfunction
6/4/2019	7:35 PM	1500 Linde Road	Bypass Pump	0.17	100	No	NA	0.00	Bypass pump malfunction
6/4/2019	6:25 PM	2259 N Mill St	Manhole	1.00	100	No	NA	No Data	Grease / Solids
6/4/2019	10:56 AM	246 Manship St	Manhole	1.82	1,180	Yes	Tow n	No data	Solids
6/4/2019	2:35 PM	313 Queen Catherine Ln	Manhole	Ongoing Unresolved	10,800	Yes	Lynch	0.00	Grease / Solids
6/6/2019	12:45 PM	1052 Cooper Road	Manhole	0.83	280	Yes	Cany	0.20	Collapsed Pipe
6/12/2019	9:16 AM	455 Hanging Moss Cir	Ground Surface (defective pipe underground)	4.65	1,200	No	NA	0.00	Solids
6/12/2019	12:08 AM	Forest Ave / Watkins Dr	Manhole	13.20	8,670	No	NA	0.00	Grease / Solids
6/11/2019	3:39 PM	2026 Alta Woods Blvd	Storm Drain	27.53	15,240	Yes	Three Mile	0.00	Grease
6/13/2019	10:44 AM	319 Queen Julianna Lane	Manhole	3.10	840	Yes	Lynch	0.00	Collapsed Pipe
6/17/2019	9:45 AM	1915 Corley Ave	Cleanout	Ongoing Unresolved	560	No	NA	0.26	Solids
6/17/2019	2:25 PM	2138 East Dr	Ground Surface (defective pipe underground)	Ongoing Unresolved	35	No	NA	0.20	Solids
6/18/2019	12:50 PM	2138 East Dr	Ground Surface (defective pipe underground)	Ongoing Unresolved	975	No	NA	0.05	Solids
6/18/2019	3:50 PM	Raymond Rd / Scanlon Dr	Manhole	1.42	40	No	NA	0.05	Solids
6/20/2019	9:10 PM	2026 Alta Woods Blvd	Manhole	0.50	100	No	NA	0.08	Grease / Solids









2.2 Pump Station SSOs

Table 2 lists pump station SSOs for April through June 2019.

Figures 5 through 7 are not used in this report because no SSOs were reported at pump stations this quarter

Table 2 City of Jackson, Mississippi Quarterly Report No. 25 – April 2019 through June 2019 Pump Station SSOs

Date Began	Time Began	Location	Source	Estimated Duration, Hours	Estimated Volume, Gallons	Reached Waterway	Receiving Water	Rainfall, Inches	Reported Cause	
	NO PUMP STATION SSOS REPORTED - April 2019									
	NO PUMP STATION SSOS REPORTED - May 2019									
	NO PUMP STATION SSOS REPORTED - June 2019									

2.3 West Bank Interceptor SSOs

West Bank Interceptor SSOs at the Jefferson Street location are generally caused when flow to the Savanna WWTP exceeds the facility's pumping capacity. This creates the need to restrict influent flow to the facility in order to protect the facility from flooding and catastrophic damage. Insufficient pumping capacity can be caused by equipment failures at the facility, excessive flow caused by rain events, high river levels or a combination of all the above.

Table 3 lists West Bank Interceptor SSOs for April through June 2019.

Figure 9 shows West Bank Interceptor SSO events by month by reported cause, as listed in Table 3, as well as monthly rainfall.

Figure 10 shows percentage of West Bank Interceptor SSOs by cause for the quarter.

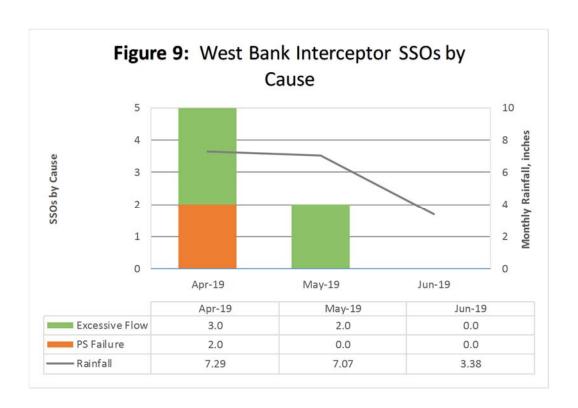
Figure 11 shows total volume of West Bank Interceptor SSOs for each month, as well as monthly rainfall.

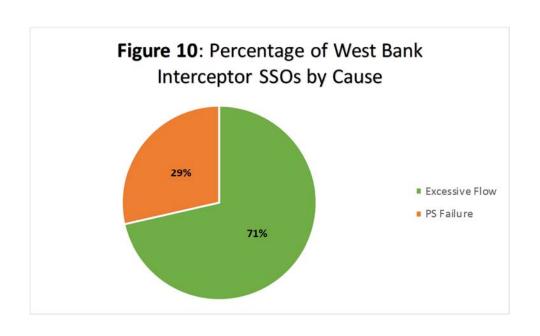
Figure 12 shows total duration of West Bank Interceptor SSOs for each month, as well as rainfall.

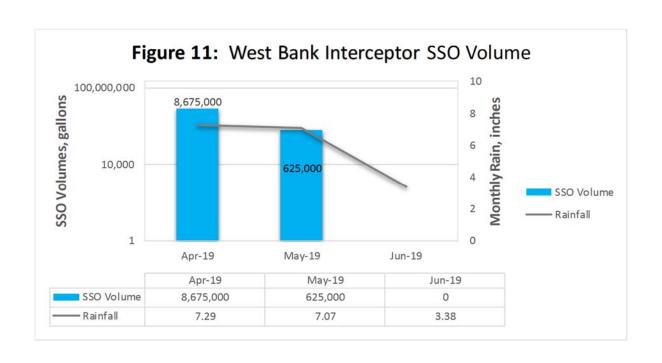
There were seven (7) SSO events on the West Bank Interceptor in this reporting period. All events were caused by equipment failure of one or more of the Influent Pumps, power failure and excessive flow due to rainfall and high river levels.

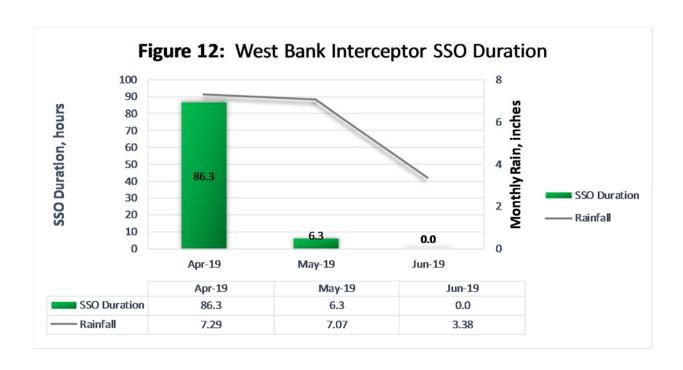
Table 3
City of Jackson, Mississippi
Quarterly Report No. 25 – April 2019 through June 2019
West Bank Interceptor SSOs

Date Began	Time Began	Location	Source	Estimated Duration, Hours	Estimated Volume, Gallons	Reached Waterway	Receiving Water	Rainfall, Inches	Reported Cause
4/13/2019	9:00 PM	408 S Jefferson St	Manhole	5.50	550,000	Yes	Pearl	2.83	Excessive flow and Inability to operate #4 Raw Sew age pump at full capacity
4/15/2019	5:00 PM	408 S Jefferson St	Manhole	21.25	2,125,000	Yes	Pearl	1.80	Excessive flow and Inability to operate #3 & #4 Raw Sew age pumps at full capacity
4/17/2019	3:30 PM	345 ST. ANDREWS DR	Manhole		Not Reported	Yes	Purple	0.00	Excessive Flow
4/18/2019	10:48 AM	408 S Jefferson St	Manhole	57.12	5,700,000	Yes	Pearl	1.62	Pow er Outage at the Raw Sew age Building; Excessive flow and Inability to operate #3 & #4 Raw Sew age pumps at full capacity
4/26/2019	6:01 AM	408 S Jefferson St	Manhole	2.38	300,000	Yes	Pearl	0.00	Power outage throughout the entire plant site due to ground fault on #1 Effluent Screw Pump
5/9/2019	10:55 AM	408 S Jefferson St	Manhole	6.27	625,000	Yes	Pearl	3.43	Excessive Flow
5/10/2019	12:30 PM	345 ST. ANDREWS DR	Manhole		Not Reported	Yes	Purple	0.39	Excessive Flow









2.4 Prohibited Bypasses

This quarterly report does not include a graphical representation of the number of bypasses for each cause, since most bypasses at the Savanna Street WWTP are caused by excessive flow or specific causes explained below.

Table 4 lists prohibited bypasses at the wastewater treatment plant for the quarter. Unlike SSOs, each event is considered as one bypass from the day it begins to the day it ends. The event is reported in the month the bypass ends. The event reported began on December 9, 2018 and ended on May 22, 2019.

Figure 13 shows total volume of prohibited bypasses for each month plotted logarithmically, along with monthly rainfall.

Figure 14 shows volume and river stages.

Figures 15 and 16 plot total duration for the month, first compared to rainfall and then compared to river stages. River stages are shown as monthly average daily maximum river stage and as the monthly maximum day river stage. These appear to indicate the inflow into the system and subsequent excessive flows to the treatment facility is influenced by the river stage more than the local rainfall events. Note that duration of prohibited bypasses is plotted in days.

December 9, 2018 Event - The level in Storm Diversion Cell #3 was below 4.0 feet before December 8th rain event in which we received 2.32 inches of rain and the river stage went from 9.0 ft. to 18.7 ft. on December 09, 2018. The operators started the 13 temporary rental pumps to begin diverting the flow to the Storm Diversion Cells on December 8th and the bypass subsequently began at 10:26 a.m. on December 09, 2018.

There was a total of 39.56 inches of rain during the bypass period which is 15.34% above normal and Pearl River was at or above Action Stage (24 feet) for 53 days of the 165 day event. The total flow at the Savanna WWTP was 12,299.3 million gallons which is 25.40% higher than the same period last year. The total volume bypassed for this event was 4,059.47 million gallons. Bypassing from the Storm Diversion Cells ended on May 22, 2019.

All bypassed volume is chlorinated, de-chlorinated and required samples taken prior to blending with the mechanical plant effluent and subsequently discharged to the Pearl River.

Table 4
City of Jackson, Mississippi
Quarterly Report No. 25 – April 2019 through June 2019
Prohibited Bypasses

Date Began	Time Began	Location	Source	Estimated Duration, Days	Estimated Volume, Million Gallons	Reached Waterway	Receiving Water	Rainfall, Inches	Reported Cause
12/09/18	10:26 AM	3810 I 55 S	WWTP	165	4,059.47	YES	Pearl	39.56	Excessive flow

