

October 30, 2020

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

Brad Ammons
Environmental Engineer
Clean Water Enforcement Branch
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U.S. EPA Region 4
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Atlanta, GA 30303

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infer goy

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. 30

Dear Lady and Sirs:

On behalf of the City of Jackson, please find enclosed the Jackson Consent Decree Quarterly Report 30. Should you have any questions, please contact me.

Sincerely.

Jennifer Jorge, Ph.D. Program Manager

Enclosure

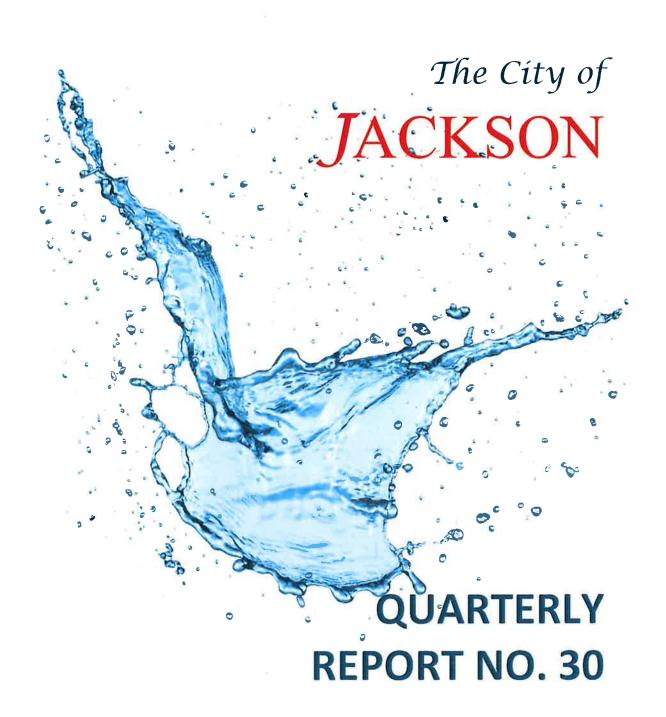
cc: Honorable Chokwe Antar Lumumba, Mayor

Timothy C. Howard, City Attorney

Charles Williams, P.E., Ph.D., Director, Public Works Department

Terry Williamson, Legal Counsel

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JULY 2020 THROUGH SEPTEMBER 2020

Department of Public Works Consent Decree Program

City of Jackson Wastewater Infrastructure Redevelopment Program

Quarterly Report No. 30 July 2020 through September 2020

October 30, 2020

Prepared for:

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

Prepared by:

WEI/AJA, LLC 143-A LeFleurs Square Jackson, MS 39211

City of Jackson, Mississippi Quarterly Report No. 30 July 2020 through September 2020

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.



Chokwe Antar Lumumba
Mayor

10/30/2020

Date

Charles E. Williams, Jr., PhD, P. ., Director/City Engineer Department of Public Works

10/29/2020

Date

Quarterly Report No. 30 July 2020 through September 2020

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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 Public Works Department "Waste Water Consent Decree" link in the Document Library. The website can also be accessed directly at http://www.cojcd.org/.

1.2 Authority to Promulgate

WEI/AJA, LLC 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 bypasses for July 2020 – September 2020 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 July through September 2020. 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.

There are twelve (12) events which occurred in previous reporting periods included in this report. The durations, volumes and causes of these events are included in the July statistics.

Seven (7) events occurred at seven (7) locations on private property reported this period. The cause of these events was determined to be a problem on the private lateral and the crews notified resident.

Eighteen (18) events occurred at cleanouts on private property this period. All events were caused by problems in the City's sewer system. There were six (6) building backups reported this period. Five (5) of these were caused by asphalt blocking the sewer in a manhole. The remaining building backup was reported as being caused by a bypass pump failure.

There were sixteen (16) events for which the duration was not determined because the cause, such as collapsed pipe, has not been resolved or no SSO was occurring but there was evidence of a previous overflow. 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 six (6) reports for which the volume was not reported.

There were eight (8) events that the causes were reported as "Other" in the graph on Figure 1. Three (3) events were caused by problems at a bypass pump, one (1) event was caused by vandalism of a bypass pump, one (1) event was partially caused by a piece of 4" PVC pipe in the

main and one (1) event was caused by a fallen tree on a service lateral. There were two (2) events the cause was unknown (service lateral) or undetermined (public sewer).

Proper reporting will be covered in future training sessions as restrictions due to COVID 19 are relaxed.

Table 1
City of Jackson, Mississippi
Quarterly Report No. 30 – July 2020 through September 2020
Collection System SSOs

12.5			Estimated	Reached			
	Source	Estimated Duration, Hours	Volume, Gallons	Waters of the State	Receiving Water	Rainfall, Inches	Reported Cause
ifton Dr	Manhole	Ongoing	77,400	Yes	Cany		Grease / Solids
Ash St	Manhole	60.37	Not Reported	2	¥	0.03	Grease / Solids
ay St / N Grouts	Ground Surface (defective pipe underground)	918.05	7,800	Yes	Том п	0.00	Collapsed Pipe
749 Nakoma Dr (Cleanout	Ongoing	000'6	<u>8</u>	Ą	0.05	Roots
Raymond Rd / N	Manhole	809.33	17,500	Yes	Hardy	0.00	Collapsed Pipe
130 Taylor St C	Cleanout	747.07	12,800	Yes	Town	00.0	Grease / Solids
Will O Wisp Way / Mockingbird Ln	Manhole	314.73	2,000	Yes	Three Mile	0.00	Grease / Solids / Undersized Line
611 Chelsea Dr Priva	Private Laterat	Not Reported	1,260	_S	AN.	0.00	Collapsed Pipe / Roots
4256 Richmond Cir Ma	Manhole	582.43	12,500	Yes	Town	0.85	Collapsed Pipe
5255 Forest Hill Road Ma	Manhole	Ongoing	Ongoing	Yes	Trahon	0.08	Grease / Solids
533 Glendale St	Lateral	Ongoing	Not Reported	Yes	Tow n	1.11	Collapsed Pipe
181 Treehaven Dr Cle	Cleanout	317.18	7,000	Yes	Hardy	00.00	Grease / Roots / Solids
Ground rcliff Cir (defec	Ground Surface (defective pipe underground)	Not Reported	92,000	Yes	Cany	0.00	Grease / Roots / Solids
is Ave Buildir	Building Backup	6.77	10	No.	NA A	0.14	Grease / Asphalt in Manhole
nson Road Buildir	Building Backup	0.92	9	9	V.	0.14	Grease / Asphalt in Manhole
nson Road Buildi	Building Backup	6.57	Not Reported	9∕	NA	0.14	Grease / Asphalt in Manhole
nson Road Buildi	Building Backup	6.57	Not Reported	<u>8</u>	NA AN	0.14	Grease / Asphalt in Manhole

Table 1 cont.

City of Jackson, Mississippi

Quarterly Report No. 30 – July 2020 through September 2020
Collection System SSOs

Time Began Location Source Duration, Hours Volume, Gallons Waters of Gallons 8:46 AM 2566 Robins on Road Building Backup 6.57 Not Reported No 10:53 AM 4612 Belmede PI Ground Surface 24.12 200 Yes 9:00 AM 202 E Ridgew ay St Wanhole Ongoing 240,000 No 4:53 PM 5745 Gladew ood Dr Ground Surface Ongoing 240,000 No 4:18 PM Ferncliff Dr Manhole 1.02 200 Yes Not Feported Cleanout 0.78 300 Yes 10:47 AM 5745 Gladew ood Dr Cleanout 2.33 100 Yes 10:47 AM Warwick Dr Manhole 2.523 300 Yes 10:45 PM 133 Pentiss St Pivate Lateral Ongoing 2.550 Yes 1:01 PM Warwick Dr Manhole 1.50 100 Yes 1:01 PM Warwick Dr Manhole 2.523 300 Yes					Frimatod	Estimated	Reached	Dominion	Bainfall	
8:46 AM 2566 Robinson Road Building Backup 6.57 Not Reported No 10:53 AM 4612 Behrede PI Ground Surface underground) 24.12 200 Yes 9:00 AM 202 E Ridgew ay St underground) Manhole Ongoing 240,000 Yes 10:30 AM Raymond Rd / Scanlon Dr underground) Ground Surface (Ongoing Scanlon Dr underground) 0.78 300 Yes 4:53 PM 5745 Gladew ood Dr Cleanout Cleanout 1.02 200 Yes Reported Ferrcliff Dr Reported Manhole 1.02 200 Yes 10:47 AM 5725 Warwick Dr / Building Backup Not Reported Not Reported No 10:47 AM 5735 Gladew ood Dr Cleanout 2.33 100 Yes 10:47 AM 5735 Gladew ood Dr Cleanout 2.33 100 Yes 10:47 AM 5735 Gladew ood Dr Cleanout 2.523 300 Yes 1:04 AM 11:35 AM 110 S Green Avenue Cleanout 72.75 800 Yes 1:04 AM Warwick Dr / Warwick Dr / Warwick Dr	Date Began	Time Began	Location	Source	Duration, Hours	Volume, Gallons	Waters of the State	Water	Inches	Reported Cause
10:53 AM 4612 Belmede PI (defective pipe nuderground) 24.12 cond Model 24.12 cond Model 200	7/4/2020	8:46 AM	2566 Robinson Road	Building Backup		Not Reported	2	Ź	0.14	Grease / Asphalt in Manhole
9::00 AM 202 E Ridgew ay St Manhole Ongoing Yes 10::30 AM Raymond Rd / Scanlon Dr Scanlon Dr Scanlon Dr Underground) Ground Surface (defective pipe Scanlon Dr Scanlon Dr Underground) 0.78 300 Yes 4:18 PM Warwick Dr / Fenrollif Dr Program (Mark Backup) Manhole 1.02 200 Yes 9:45 AM 5725 Warw ick Dr Reported Not Reported Not Reported Not Reported Not Reported 10:47 AM 5735 Gladew ood Dr Cleanout Cleanout 2.33 100 Yes 11:35 AM 110 A S Green Avenue Cleanout 72.53 800 Yes 11:35 AM 110 B Green Avenue Cleanout 72.75 800 Yes 11:35 AM 110 B Green Avenue Cleanout 72.75 800 Yes 11:35 AM 11:01 PM Fenrollif Dr Manhole 26.65 200 Yes 10:28 AM 4457 Wedgew ood St Manhole 26.65 200 Yes 11:00 AM 448 Queen Theresa St Manhole 75.00 Yes 11	7/7/2020	10:53 AM	4612 Belmede Pl	Ground Surface (defective pipe underground)	24.12	200	Yes	Eubanks	0.03	Collapsed Pipe
10:30 AM Raymond Rd / Scanlon Dr Scanlon Dr Scanlon Dr Scanlon Dr Underground) Ground Surface pipe (defective pipe underground) Ongoing (a fective pipe underground) Ongoing (defective pipe underground) No Yes 4:53 PM 5745 Gladew ood Dr Scanout Cleanout 1.02 200 Yes Not Reported Reported Reported Reported Reported Reported S725 Warwick Dr Building Backup Not Reported Not Reported Report	7/8/2020	9:00 AM	202 E Ridgew ay St	Manhole	Ongoing	Ongoing	Yes	Town	0.52	Collapsed Pipe
4:53 PM 5745 Gladew ood Dr Cleanout 0.78 300 Yes 4:18 PM Warw ick Dr / Ferncliff Dr S725 Warw ick Dr S735 Gladew ood Dr Cleanout Not Reported S735 Gladew ood Dr Cleanout A:35 175 Yes 10:47 AM 5735 Gladew ood Dr Cleanout Cleanout 25.23 300 Yes 11:46 PM 330 N Mart Pz Manhole 25.23 300 Yes 11:35 AM 110 S Green Avenue Cleanout 72.75 800 Yes 11:01 PM Ferncliff Dr Brivate Lateral Ongoing 600 No 11:00 AM 448 Queen Theresa Cleanout Ongoing 600 No 8:58 AM 350 W Northside Dr Private Lateral Private Lateral Not Reported 1,200 No	7/8/2020	10:30 AM	Raymond Rd / Scanlon Dr	Ground Surface (defective pipe underground)	Ongoing	240,000	<u>8</u>	NA A	0.75	Collapsed Pipe
4:18 PM Warwick Dr / Ferncliff Dr Fencliff Dr Fenc	7/9/2020	4:53 PM	5745 Gladew ood Dr	Cleanout	0.78	300	Yes	White Oak	00.0	Bypass Pump Failure
Not Reported Responder Cleanout Cleanout A.35 Not Reported Not Not Reported Not Reported Not Reported Not	7/9/2020	4:18 PM	Warw ick Dr / Ferncliff Dr	Manhole	1.02	200	Yes	White Oak	0.00	Bypass Pump Failure
9:45 AM 681 Heather Lane Cleanout 2:33 100 Yes 10:47 AM 5735 Gladewood Dr Cleanout 4.35 175 Yes 12:46 PM 330 N Mart Pz Manhole 25.23 300 Yes 2:59 PM 1133 Prentiss St Private Lateral Ongoing 2,550 Yes 11:35 AM 110 S Green Avenue Cleanout 72.75 800 Yes 1:01 PM Warwick Dr / Ferncliff Dr Manhole 26.65 200 Yes 8:01 AM 10:28 AM 4457 Wedgew ood St Manhole 458.03 1,600 Yes 11:00 AM 448 Queen Theresa Cleanout Ongoing 600 No 8:58 AM 350 W Northside Dr Private Lateral Private 1,200 No	7/9/2020	Not Reported	5725 Warw ick Dr	Building Backup	Not Reported	Not Reported	No	NA	0.00	Bypass Pump Failure
10:47 AM 5735 Gladew ood Dr Cleanout 4.35 175 Yes 12:46 PM 330 N Mart Pz Manhole 25.23 300 Yes 2:59 PM 133 Prentiss St Private Lateral Ongoing 2,550 Yes 11:35 AM 110 S Green Avenue Cleanout 72.75 800 Yes 1:01 PM Warwick Dr / Fenroliff Dr Fenroliff Dr H1:00 AM Manhole 26.65 200 Yes 10:28 AM 448 Queen Theresa Ln Cleanout Ongoing 600 No 8:58 AM 350 W Northside Dr Ln Private Lateral Not Reported- Private 1,200 No	/14/2020	9:45 AM	681 Heather Lane	Cleanout	2.33	100	Yes	Eubanks	0.00	Grease / Roots / Solids
12:46 PM 330 N Mart Plz Manhole 25.23 300 Yes 2:59 PM 133 Prentiss St Private Lateral Ongoing 2,550 Yes 11:35 AM 110 S Green Avenue Cleanout 72.75 800 Yes 1:01 PM Warwick Dr / Perncliff Dr Fenciliff Dr Bring Manhole 26.65 200 Yes 10:28 AM 4457 Wedgew ood St Ats Queen Theresa La Cleanout Cleanout Ongoing 600 No 8:58 AM 350 W Northside Dr Private Lateral Private Lateral Private Private 1,200 No	7/15/2020	10:47 AM	5735 Gladew ood Dr	Cleanout	4.35	175	Yes	White Oak	0.00	Grease
2:59 PM 133 Prentiss St Private Lateral Ongoing 2,550 Yes 11:35 AM 110 S Green Avenue Cleanout 72.75 800 Yes 1:01 PM Warwick Dr / Perncifff Dr Fencifff Dr Fenciff Dr Fenci	/15/2020	12:46 PM	330 N Mart Ptz	Manhole	25.23	300	Yes	Eubanks	0.00	Collapsed Pipe
110 S Green Avenue Cleanout 72.75 800 Yes Warw ick Dr / Ferncliff Dr Fencliff Dr 108 Bcrest St 108	7/15/2020	2:59 PM	133 Prentiss St	Private Lateral	Ongoing	2,550	Yes	Town	0.00	Collapsed Pipe / Grease /Solids
1:01 PM Warwick Dr / Fencilif Dr Fenci	/15/2020	11:35 AM	110 S Green Avenue	Cleanout	72.75	800	Yes	Town	0.00	Grease / Solids
8:01 AM 108 Elcrest St Manhole 26.65 200 Yes 10:28 AM 4457 Wedgew ood St Manhole 458.03 1,600 Yes 11:00 AM 448 Queen Theresa Ln Cleanout Ongoing 600 No 8:58 AM 350 W Northside Dr Private Lateral Private Private Private 1,200 No	/15/2020	1:01 PM	Warw ick Dr / Ferncliff Dr	Manhole	1.50	100	S S	₹	00.00	Grease
10:28 AM 4457 Wedgew ood St Manhole 458.03 1,600 Yes 11:00 AM 448 Queen Theresa Ln Cleanout Ongoing 600 No 8:58 AM 350 W Northside Dr Private Lateral Private Private Lateral Private Private Lateral Private No	/17/2020	8:01 AM	108 Ecrest St	Manhole	26.65	200	Yes	Lynch	0.48	Collapsed Pipe
11:00 AM 448 Queen Theresa Ln Cleanout Cleanout Ongoing 600 8:58 AM 350 W Northside Dr Private Lateral Private Private Lateral Private 1,200	/17/2020	10:28 AM	4457 Wedgewood St	Manhole	458.03	1,600	Yes	Hanging Moss	0.37	Collapsed Pipe
8:58 AM 350 W Northside Dr Private Lateral Private 1,200	/20/2020	11:00 AM	448 Queen Theresa Ln	Cleanout	Ongoing	009	N	N AN	0.00	Collapsed Pipe / Grease /Solids
	/20/2020	8:58 AM	350 W Northside Dr	Private Lateral	Not Reported- Private	1,200	No	N	0.00	Grease / Solids

Table 1 cont.

City of Jackson, Mississippi

Quarterly Report No. 30 – July 2020 through September 2020
Collection System SSOs

					> .		Г	.⊑	Г	Г	Г				Γ		
Reported Cause	Unknow n	Grease / Solids	Solids	Unknow n	Vandalism. Battery stolen from pump	Fallen Tree	Grease / Solids	Grease / PVC pipe in main	Grease / Solids	Grease / Solids	Grease	Grease / Solids	Collapsed Pipe	Grease	Grease / Solids	Roots	Grease
Rainfall, Inches	0.00	00.00	00.00	0.00	0.00	0.00	0.08	00:00	00.0	00.00	00.00	0.63	0.37	0.61	0.61	0.24	00.00
Receiving Water	₹	₹	Town	¥.	Town	Ą	Trahon	Lynch	Belhaven	Three Mile	Town	Lynch	Hanging Moss	₹	Town	Ą	¥
Reached Waters of	No	2	Yes	<u>8</u>	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	2	Yes	No	N _o
Estimated Volume,	550	1,100	250,000	350	200	92	21,500	1,000	100	009'6	2,200	23,000	5,600	80	150	30,000	125
Estimated Duration, Hours	Ongoing	Ongoing	371.00	Ongoing	2.27	0.00	1,011.93	17.63	2.00	Ongoing	Ongoing	1,087.60	49.67	0.38	1.02	28.95	0.40
Source	Private Lateral	Manhole	Manhole	Ground Surface (defective pipe underground)	Manhole	Private Lateral	Manhole	Manhole	Manhole	Manhole	Manhole	Abandoned Lateral	Manhole	Manhole	Manhole	Manhole	Manhole
Location	2068 Monaco St	391 Spanish Ct	202 E Ridgew ay St	111 Joanna Ln	N Mill St / Whitfield St	314 Queen Margaret Lane	Not Reported 5255 Forest Hill Road	534 Elis Ave	1204 N Jefferson St	Gunda St	629 Fondren Pl	4816 Sunnybrook Dr	4457 Wedgew ood St	629 Fondren Pl	607 Fondren Pi	4369 Welota Dr	North St / Poplar Blvd
Time Began	11:15 AM	5:00 PM	4:04 PM	1:57 PM	4:20 PM	3:21 PM	Not Reported	5:02 PM	1:45 PM	11:15 AM	2:34 PM	7:34 AM	12:20 PM	4:12 PM	3:55 PM	12:33 PM	1:53 PM
Date Began	7/21/2020	7/21/2020	7/23/2020	7/24/2020	7/28/2020	7/29/2020	8/4/2020	8/6/2020	8/7/2020	8/8/2020	8/10/2020	8/16/2020	8/17/2020	8/21/2020	8/21/2020	8/26/2020	9/1/2020

Table 1 cont.

City of Jackson, Mississippi

Quarterly Report No. 30 – July 2020 through September 2020
Collection System SSOs

	_		_	,		_	_	_					_		_	_	
Reported Cause	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Grease	Collapsed Pipe	Grease	Grease	Grease
Rainfall, Inches	0.00	00'0	00'0	00'0	00.0	0.33	0.33	00.0	0.00	0.00	0.00	0.00	00.0	0.00	00.00	00:0	00.0
Receiving Water	- N	Ą	₹	¥	₹	Ą	Ą	¥	Lynch	Hardy	¥	NA	₹	¥	₹	₹	NA
Reached Waters of the State	oN N	욋	온	운	2	2	_Q V	욋	Yes	Yes	8	No	2	2	2	2	ON.
Estimated Volume, Gallons	20	30	30	20	20	20	20	20	300	300	20	20	09	1,200	09	20	10,000
Estimated Duration, Hours	1.53	0.70	0.70	1.00	0.77	1.33	1.10	1.03	1.38	Ongoing	1.60	1.42	1.45	Ongoing	1.55	1.38	0.68
Source	Cleanout	Cleanout	Cleanout	Cleanout	Cleanout	Cleanout	Manhole	Private Lateral	Ground Surface (defective pipe underground)	Manhole	Constructed Bypass	Constructed Bypass	Cleanout	Manhole	Private Lateral	Cleanout	Cleanout
Location	441 Fielding Ave	2909 Greenview Dr	2913 Greenview Dr	179 James St	175 Riverpark Dr	1309 Canterbury Ln	3542 Valley Dr	1310 Rockdale Dr	1710 Casteel St	Raymond Rd / Scanlon Dr	313 Catherine Ln	1519 Westhaven Blvd	179 James St	414-419 Marcus L Butler Dr	1504 St Charles St	220 Gaylyn Dr	1034 Meadow Heights Dr
Time Began	1:08 PM	2:48 PM	2:48 PM	9:33 AM	11:03 AM	10:05 AM	11:37 AM	12:08 PM	10:32 AM	12:04 PM	9:26 AM	12:15 PM	2:58 PM	11:08 AM	1:12 PM	1:56 PM	3:39 PM
Date Began	9/8/2020	9/8/2020	9/8/2020	9/9/2020	9/9/2020	9/11/2020	9/11/2020	9/13/2020	9/16/2020	9/16/2020	9/17/2020	9/17/2020	9/21/2020	9/21/2020	9/21/2020	9/22/2020	9/22/2020

Table 1 cont.

City of Jackson, Mississippi

Quarterly Report No. 30 – July 2020 through September 2020

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
9/22/2020	10:53 AM 423-502	423-502 Willaman St	Manhole	Ongoing	730	2	₹	0.00	Collapsed Pipe / Grease
9/23/2020	10:42 AM	1915 Catalina Dr	Ground Surface (defective pipe underground)	1.07	20	8	¥	1.66	Collapsed Pipe / Grease
9/23/2020	2:25 PM	844 Combs St	Manhole	0.83	200	2	¥	1.66	Grease
9/27/2020	2:12 PM	155 Parkhurst Dr	Cleanout	0.43	20	^Q	¥	0.01	Grease
9/28/2020	6:48 PM	N State St / E Ridgew ay St	Manhole	15.03	160	Yes	Eubanks	0.02	Solids
9/28/2020	12:06 PM	West St / Wesley Ave	Ground Surface (defective pipe underground)	2.90	150	Yes	Town	0.02	Grease / Solids

Nonthly Rainfall, inches 30 SSOs by Cause 20 10 0 Jul-20 Aug-20 Sep-20 Other 7.0 0.5 0.0 0 Excessive Flow 0.3 0 Collapsed Pipe 11.2 1 1.5 Solids 9.0 2.5 1.5 2.5 0 Roots 1 5 21 Grease 10.0

Figure 1: Collection System SSOs by Cause

4.94

Rainfall

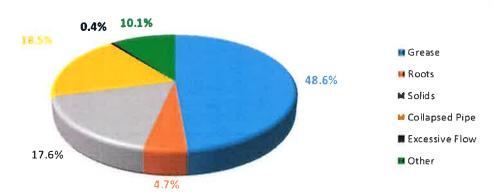


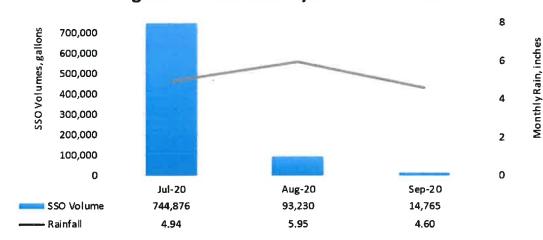
Figure 2: Percentage of Collection System SSOs by Cause

5.95

4.60

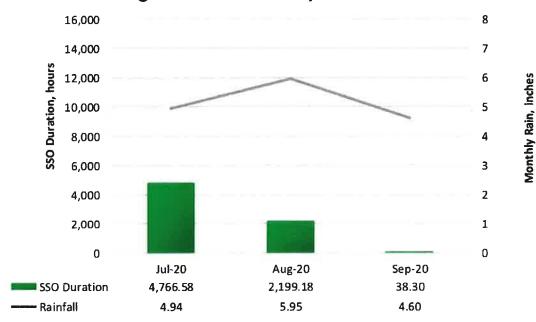
^{*} July includes 12 reports from prior periods.

Figure 3: Collection System SSO Volume



^{*} Volume is high due to 12 SSO reports from prior report period submitted in current period.

Figure 4: Collection System SSO Duration



^{*} Duration is high due to 12 SSO reports from prior report period submitted in current period.

2.2 Pump Station SSOs

Table 2 lists pump station SSOs for July through September 2020.

Figures 5 through 7 are not used in this report because $\underline{\mathbf{no}}$ SSOs were reported at pump stations this quarter.

Table 2
City of Jackson, Mississippi
Quarterly Report No. 30 – July 2020 through September 2020
Pump Station SSOs

Rainfall, Reported Cause Inches			
Receiving Water			
Reached Waterway	020	2020	er 2020
Estimated Duration, Fstimated Volume, Hours Gallons	PORTED - July 2	ORTED - August	रTED - Septemb
Estimated Buration, Hours	NO PUMP STATION SSOS REPORTED - July 2020	NO PUMP STATION SSOs REPORTED - August 2020	ION SSOS REPOF
Source	NO PUMP S	NO PUMP ST	NO PUMP STATION SSOs REPORTED - September 2020
Location			
Time Began			
Date Began			

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 July through September 2020.

Figures 8 through 12 are not used in this report because <u>no</u> SSOs were reported on the West Bank Interceptor this quarter.

Table 3
City of Jackson, Mississippi
Quarterly Report No. 30 – July 2020 through September 2020
West Bank Interceptor SSOs

Reported Cause			
Rainfall, Inches			
Receiving Water	y 2020	ust 2020	mber 2020
Reached Waterway	RTED - Jul	TED - Aug	:D - Septe
Estimated Volume, Gallons	SSOs REPO	SOs REPOR	S REPORTE
Estimated Duration, Hours	TERCEPTOR	RCEPTOR S	CEPTOR SSC
Source	WEST BANK INTERCEPTOR SSOS REPORTED - July 2020	WEST BANK INTERCEPTOR SSOs REPORTED - August 2020	EST BANK INTERCEPTOR SSOs REPORTED - September 2020
Location	NO WES	NO WEST	NO WEST B
Time Began			
Date Began			

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.

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. Note that duration of prohibited bypasses is plotted in days.

There was one (1) bypass event this reporting period. The event was caused by excessive flow and high Storm Cell levels due to rainfall. Following this event, Veolia, the City's contract WWTP operator, was able to reduce Storm Cell levels to a point that excessive flows caused by higher than normal rainfall events in August and September could be could be temporarily stored and then returned to the plant for treatment. The Jackson area (National Weather Service-Jackson) received 16.89" of rainfall, or 39.82% above normal during the reporting period with August and September being 87% and 33% above normal, respectively. For the calendar year, Jackson area has received 60.57" of rainfall, or 50.26% above normal.

The following major equipment was unavailable for service during the reporting period;

- Aeration Blower #3
- Clarifier #2
- Effluent Screw Pump #2
- Return Activated Sludge Pump #2 (September only)
- Return Activated Sludge Pump #6
- Raw Sewage Pump #4 Motor
- 54" Raw Sewage Isolation Valve
- West Rankin Force Main and Diversion valve

The current construction project and ongoing maintenance will address these issues.

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. 30 – July 2020 through September 2020
Prohibited Bypasses

Reported Cause	Excessive flow / High River level
Rainfall, Inches	1.96 E
Receiving	Реап
Reached Waterway	Yes
Estimated Volume, Million Gallens	121.76
Estimated Duration, Days	5
Source	WWTP
Location	3810155 S
Date Began Time Began	12:30 AM
Date Began	02/60/20

The total duration and volume bypassed for each event is shown in the table above. The July 9, 2020 event ended on July 13, 2020. *Total rainfall is shown for the duration of each event.



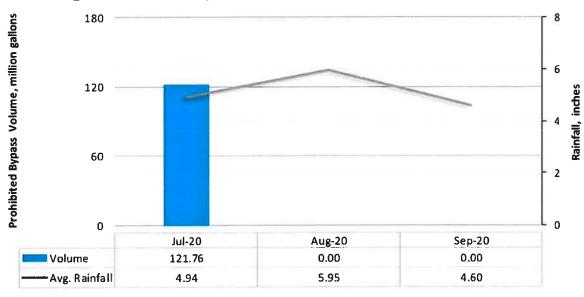


Figure 14: Monthly Prohibited Bypass Volume vs. River Stage

