

April 30, 2021

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

Michelle Clark, P.E., BCEE 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 #32

Dear Lady and Gentlemen:

Please find enclosed the Jackson Consent Decree Quarterly Report #32.

Should you have any questions, or need additional information, please contact me at your earliest convenience.

Sincerely,

Jennifer Jorge, Ph.D. Program Manager

Jennifer Jorge

Enclosure

cc: Honorable Chokwe Antar Lumumba, Mayor

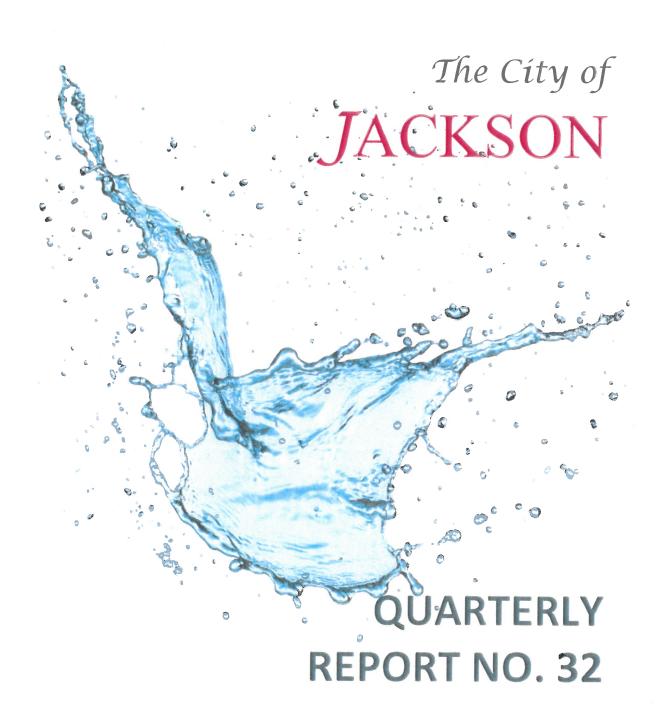
Monica D. Allen, City Attorney

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

Marlin King, Chief Administrative Officer Mary Carter, Deputy Director of Public Works Terry Williamson, Legal Counsel, Public Works

Bailey Long, MDEQ

Public Depository, Eudora Welty Public Library



JANUARY 2021 THROUGH MARCH 2021

Department of Public Works Consent Decree Program

City of Jackson Wastewater Infrastructure Redevelopment Program

Quarterly Report No. 32 January 2021 through March 2021

April 30, 2021

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. 32 January 2021 through March 2021

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.



Chipo	hald
Chokwe Antar Lumumba	
Mayor	
4/28/2021	,

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

Jos. W. Ol

4/27/21

Date

Date

Quarterly Report No. 32 January 2021 through March 2021

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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 in October 2020 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 January 2021 – March 2021 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 January through March 2021. 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) 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 six (6) events which occurred in previous reporting periods included in this report. The durations, volumes and causes of these events are included in the statistics.

Two (2) events that occurred on private property are reported in this period. The cause of these events was determined to be a problem on the private lateral and the crews notified residents.

Twenty-two (22) events occurred at cleanouts on private property in this period. Twenty (20) events were caused by problems in the City's sewer system. There was one (1) building backup reported in this period. It was reported to be caused by grease and solids in the City's main.

There were fourteen (14) 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 three (3) reports for which the volume was not reported.

There were three (3) events that the causes were reported as "Other" in the graph on Figure 1. There was one (1) event that was caused by the property owner damaging a manhole. There were two (2) events on the public sewer for which the cause was undetermined. Proper reporting will continue to be stressed in future training sessions as well as sewer maintenance staff meetings.

Table 1
City of Jackson, Mississippi
Quarterly Report No. 32 – January 2021 through March 2021
Collection System SSOs

Reported Cause	Grease / Solids	Grease / Solids	Collapsed Pipe / Grease / Solids	Grease		ease / Solids	Grease / Solids Grease / Solids	Grease / Solids Grease / Solids Grease / Solids	ease / Solids ease / Solids ease / Solids Grease	Grease / Solids Srease / Solids Grease / Solids Grease Undetermined	ease / Solids ease / Solids ease / Solids Grease ndetermined ease / Solids	Grease / Solids Grease / Solids Grease Undetermined Grease / Solids	ease / Solids ease / Solids ease / Solids Grease Grease / Solids Grease	ease / Solids ease / Solids ease / Solids Grease ndetermined ease / Solids Grease Grease Grease	Grease / Solids Grease / Solids Grease / Solids Grease Undetermined Grease Grease Grease Grease Grease	Grease / Solids Grease / Solids Grease / Solids Grease Grease Grease Grease Grease Grease Grease Grease Grease	Grease / Solids Grease / Solids Grease / Solids Grease Undetermined Grease	Grease / Solids Grease / Solids Grease / Solids Grease / Solids Grease Grease Grease Grease Grease Grease / Solids Grease / Solids Grease / Solids	Grease / Solids
	Ö	<u>δ</u>	S		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	; -	j ō	5 6	5 5 5	;	;		; \$\dot{\dot{\dot{\dot{\dot{\dot{\dot{	;		\$ \bar{\bar{\bar{\bar{\bar{\bar{\bar{		\$ \bar{\bar{\bar{\bar{\bar{\bar{\bar{	
Rainfall, Inches	0.00	0.02	0.00	0.00	0 78	2.5	0.00	0.00	00.0	00.0	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.	0.00 0.	0.00 0.	0.00 0.	0.00 0.	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0
Receiving Water	Lynch	¥	Hanging Moss	Lynch	F	u wo	Cany	Cany NA	Cany NA NA	Cany NA NA Town	Cany NA NA Tow n Belhaven	Cany NA NA Tow n Belhaven Hanging Moss	Cany NA NA Tow n Belhaven Hanging Moss	Cany NA NA Tow n Belhaven Hanging Moss	Cany NA NA Tow n Belhaven Hanging Moss NA Cany	Cany NA NA Town Belhaven Hanging Moss NA Cany Cany Cany	Cany NA Town Belhaven Hanging Moss NA Cany Cany Trahon	Cany NA Town Belhaven Hanging Moss NA Cany Cany Cany Trahon Trahon	Cany NA NA Tow n Belhaven Hanging Moss Cany Cany Cany Trahon Trahon Tow n
Reached Waters of the State	Yes	2	Yes	Yes	Yes)	Yes	X es	S	S S S S S S S S S S S S S S S S S S S	Y es Y es Y	Y es	Solves Yes No No Yes No	Y es Y es Y es Y es X es X es X es X es	Y es Y es Y es Y es Y es X es X	Y es	Y es Y es Y es Y es X	Y es	Y es Y es Y es Y es Y es X es X es X es
Estimated Volume, Gallons	136,200	Building Backup - No volume reported	31,500	160	150		5,800	5,800	3,600	30 30 3,600 9,600	5,800 30 3,600 9,600	5,800 3,600 9,600 1,800	5,800 3,600 9,600 500 1,800	5,800 3,600 9,600 1,800 3	5,800 3,600 9,600 1,800 45,000	5,800 3,600 9,600 1,800 1,000 1,000	5,800 3,600 9,600 500 1,800 1,000 1,000 30,000	5,800 3,600 9,600 1,800 1,000 1,000 30,000	5,800 3,600 9,600 1,800 1,000 1,000 30,000 2,400
Estimated Duration, Hours	Ongoing Unresolved	2.68	1,037.20	0:30	1.67		665.33	665.33	665.33 22.93 553.33	665.33 22.93 553.33 Ongoing Unresolved	665.33 22.93 553.33 Ongoing Unresolved 1.75	665.33 22.93 553.33 Ongoing Unresolved 1.75	665.33 22.93 553.33 Ongoing Unresolved 1.75 271.58	665.33 22.93 553.33 Ongoing Unresolved 1.75 271.58 4.40	665.33 22.93 553.33 Ongoing Unresolved 1.75 271.58 4.40 54.38	665.33 22.93 553.33 Ongoing Unresolved 1.75 271.58 4.40 54.38 0.77	665.33 22.93 553.33 Ongoing Unresolved 1.75 271.58 4.40 54.38 0.77 4.77 Ongoing Private	665.33 22.93 553.33 Ongoing Unresolved 1.75 271.58 4.40 54.38 0.77 4.77 Ongoing Private	665.33 22.93 553.33 Ongoing Unresolved 1.75 271.58 4.40 54.38 0.77 4.77 Ongoing Private 54.82 Ongoing Unresolved
Source	Manhole	Building Backup	Manhole	Manhole	Manhole		Manhole	Manhole Cleanout	Manhole Cleanout Other	Manhole Cleanout Other Manhole	Manhole Cleanout Other Manhole	Manhole Cleanout Other Manhole Manhole Cleanout	Manhole Cleanout Other Manhole Cleanout Cleanout	Manhole Cleanout Other Manhole Cleanout Cleanout Manhole	Manhole Cleanout Other Manhole Cleanout Cleanout Manhole Manhole	Manhole Cleanout Other Manhole Cleanout Cleanout Manhole Manhole Manhole Manhole	Manhole Cleanout Other Manhole Cleanout Cleanout Manhole Manhole Manhole Manhole	Manhole Cleanout Other Manhole Cleanout Cleanout Manhole Manhole Manhole Manhole Manhole Manhole	Manhole Cleanout Other Manhole Cleanout Cleanout Manhole Manhole Manhole Manhole Manhole Manhole Manhole
Location	315 Magnolia Rd	4314 Woodland Dr	1027 Woody Dr	1700 University Blvd	170 Cloverleaf Cir	The second secon	102 McDow ell Park Cir	102 McDow ell Park Cir 242 Sundow n Trl	102 McDow ell Park Cir 242 Sundow n Trl 1210 Melw ood Pl	102 McDow ell Park Cir 242 Sundow n Trl 1210 Melw ood Pl 218 Yerger St	102 McDow ell Park Cir 242 Sundow n Trl 1210 Melw ood Pl 218 Yerger St 1042 Madison St	102 McDow ell Park Cir 242 Sundow n Trl 1210 Melw ood Pl 218 Yerger St 1042 Madison St Ln Ln	102 McDow ell Park Cir 242 Sundow n Trl 1210 Melw ood Pl 218 Yerger St 1042 Madison St 4341 N Honeysuckle Ln 301 Culbertson Ave	102 McDow ell Park Cir 242 Sundow n Trl 1210 Melw ood Pl 218 Yerger St 1042 Madison St 1042 Madison St A341 N Honeysuckle Ln 301 Culbertson Ave	102 McDowell Park Cir 242 Sundow n Trl 1210 Melw ood Pl 218 Yerger St 1042 Madison St 1042 Madison St Ln 301 Culbertson Ave 1636 Raymond Rd 1734 Hospital Dr	102 McDow ell Park Cir 242 Sundow n Trl 1210 Melw ood Pl 218 Yerger St 1042 Madis on St 4341 N Honey suckle 1301 Culberts on Ave 1636 Raymond Rd 1734 Hospital Dr 909 Quin St	102 McDowell Park Cir 242 Sundown Trl 1210 Melw ood Pl 218 Yerger St 1042 Madison St 4341 N Honeysuckle Ln 301 Culbertson Ave 1636 Raymond Rd 1734 Hospital Dr 909 Quin St 1200 Prisock Rd	102 McDowell Park Cir 242 Sundown Trl 1210 Melw ood Pl 218 Yerger St 1042 Madison St 4341 N Honeysuckle Ln 301 Culbertson Ave 1636 Raymond Rd 1734 Hospital Dr 909 Quin St 1200 Prisock Rd Ave	102 McDowell Park Cir 242 Sundown Trl 1210 Melw ood Pl 218 Yerger St 1042 Madison St 4341 N Honeysuckle Ln 301 Culbertson Ave 1636 Raymond Rd 1734 Hospital Dr 909 Quin St 1200 Prisock Rd Downing St / Mitchell Ave 1735 Riverw ood Dr
Time Began	2:45 PM	1:57 PM	9:08 AM	4:03 PM	11:23 AM		6:29 PM	6:29 PM 1:11 PM	6:29 PM 1:11 PM 2:15 PM	6:29 PM 1:11 PM 2:15 PM 12:09 PM	6:29 PM 1:11 PM 2:15 PM 12:09 PM 10:00 AM	6:29 PM 1:11 PM 2:15 PM 12:09 PM 10:00 AM 8:10 AM	6:29 PM 1:11 PM 2:15 PM 12:09 PM 10:00 AM 8:10 AM	6:29 PM 1:11 PM 2:15 PM 12:09 PM 10:00 AM 8:10 AM 11:07 AM	6:29 PM 1:11 PM 2:15 PM 12:09 PM 10:00 AM 8:10 AM 11:07 AM 2:23 PM 3:00 PM	6:29 PM 1:11 PM 2:15 PM 12:09 PM 10:00 AM 8:10 AM 11:07 AM 2:23 PM 3:00 PM 9:29 AM	6:29 PM 1:11 PM 2:15 PM 12:09 PM 10:00 AM 8:10 AM 11:07 AM 2:23 PM 3:00 PM 9:29 AM 6:22 AM	6:29 PM 1:11 PM 2:15 PM 12:09 PM 10:00 AM 8:10 AM 11:07 AM 2:23 PM 3:00 PM 9:29 AM 6:22 AM	6:29 PM 1:11 PM 2:15 PM 12:09 PM 10:00 AM 8:10 AM 11:07 AM 2:23 PM 3:00 PM 9:29 AM 6:22 AM 9:11 AM
Date Began	5/19/2020	12/14/2020	12/18/2020	1/15/2021	1/7/2021		12/31/2020	12/31/2020	12/31/2020 1/4/2021 1/5/2021	12/31/2020 1/4/2021 1/5/2021 1/8/2021	12/31/2020 1/4/2021 1/5/2021 1/8/2021	12/31/2020 1/4/2021 1/5/2021 1/8/2021 1/21/2021	12/31/2020 1/4/2021 1/5/2021 1/8/2021 1/21/2021 1/14/2021	12/31/2020 1/4/2021 1/5/2021 1/8/2021 1/21/2021 1/14/2021 1/17/2021	12/31/2020 1/4/2021 1/5/2021 1/8/2021 1/21/2021 1/14/2021 1/17/2021 1/17/2021	12/31/2020 1/4/2021 1/5/2021 1/21/2021 1/14/2021 1/17/2021 1/17/2021 1/19/2021	12/31/2020 1/4/2021 1/5/2021 1/21/2021 1/14/2021 1/17/2021 1/19/2021 1/25/2021	12/31/2020 1/4/2021 1/5/2021 1/21/2021 1/17/2021 1/17/2021 1/17/2021 1/19/2021 1/25/2021 1/25/2021	12/31/2020 1/4/2021 1/5/2021 1/21/2021 1/17/2021 1/17/2021 1/17/2021 1/17/2021 1/15/2021 1/25/2021 1/26/2021

Table 1 cont.
City of Jackson, Mississippi
Quarterly Report No. 32 – January 2021 through March 2021
Collection System SSOs

Reported Cause	Grease / Roots / Solids	Grease / Solids	Grease	Collapsed Pipe	Grease / Solids	Grease	Grease / Solids	Grease	Grease	Grease	Grease	Undertermined	Grease / Solids	Grease / Solids	Grease / Solids	Solids	Grease	Grease / Solids	Grease
Rainfall, Inches	0.01	00.0	0.95	00:00	0.00	00.00	0.02	0.41	0.51	0.49	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.01
Receiving	Bogue Chitto	Lynch	Bogue Chitto	Eubanks	Eubanks	Three Mile	Town	ž	₹	\$	₹	₹	Purple	Lynch	Eubanks	₹	Cany	Town	Trahon
Reached Waters of the State	Yes	Yes	Yes	Yes	Yes	Yes	Yes	2	2	2	2	2	Yes	Yes	Yes	2	Yes	Yes	Yes
Estimated Volume, Gallons	Resolved by Contractor-	20,600	6,800	Not Reported	28,000	25,800	Not Reported	5,000	150	5,000	5,000	5,000	3,500	2,400	250	300	1,000	009	5,000
Estimated Duration, Hours	Resolved by Contractor- No Time reported	811.75	1,605.13	1,103.93	640.30	1,013.88	877.50	5.00	13.72	1.50	12.68	1.08	97.58	55.97	2.68	23.32	1.70	27.13	98.63
Source	Manhole	Manhole	Cleanout	Cleanout	Manhole	Cleanout	Cleanout	Cleanout	Ground Surface (defective pipe underground)	Ground Surface (defective pipe underground)	Manhole	Manhole	Manhole	Manhole	Manhole	Cleanout	Ground Surface (defective pipe underground)	Manhole	Manhole
Location	170 Emw ood Pl	315 Magnolia Rd	6325 Abraham Lincoln Dr	705 Gardner St	Forest Ave / Watkins Dr	275 Marla Ave	308 Livingston St	206 Taylor St	506 Marlendo Dr	1175 Eminence Row	4824 Chastain Dr	1036 Buckley Dr	6295 Old Canton Rd	4672 Dixie Dr	Northside Dr / Manhatten Rd	1200 Lakeland Dr	110 Briarcliff Cir	220 S West St	3420 Forest Hill Dr
Time Began	Resolved by Contractor- No Time	2:45 PM	3:25 PM	4:08 PM	4:42 PM	9:52 AM	N.	11:00 AM	12:27 AM	8:25 AM	12:04 AM	2:25 PM	8:40 AM	8:17 AM	12:45 PM	1:11 PM	11:45 AM	10:07 AM	1:22 PM
Date Began	Resolved by Contractor- No Time reported	1/1/2021	12/3/2020	1/9/2021	1/14/2021	1/19/2021	1/20/2021	1/22/2021	2/9/2021	1/22/2021	1/23/2021	1/23/2021	2/1/2021	2/3/2021	2/4/2021	2/8/2021	2/9/2021	2/24/2021	2/25/2021

Table 1 cont.

City of Jackson, Mississippi

Quarterly Report No. 32 – January 2021 through March 2021

Collection System SSOs

Reported Cause	Grease	Grease	Grease	Grease / Roots	Grease	Grease	Grease / Roots	Grease	Grease / Solids	Grease / Solids	Grease	Grease	Home ow ner damaged manhole	Grease / Solids	Solids	Grease	Collapsed Pipe	Grease	Grease
Rainfall, Inches	1.21	00.00	0.00	0.00	0.00	0.77	00.00	0.00	0.00	0.00	0.00	0.00	00.00	0.00	0.00	00.00	00.00	2.65	00.00
Receiving Water	Purple	AN AN	Cany	Lynch	Lynch	ž	ž	¥	Trahon	₹	2	2	¥	ž	ž	ž	₹	₹	¥
Reached Waters of the State	Yes	2	Yes	Yes	Yes	2	2	2	Yes	2	2	2	2	2	2	2	2	2	2
Estimated Volume, Gallons	10,850	3,950	6,500	3,400	8,000	2,400	009	135,000	1,000	150	40	100	1,575	120	2,000	1,000	150	Not Reported	70,000
Estimated Duration, Hours	5,193.20	Ongoing Unresolved	602.35	382.45	455.50	162.87	118.75	Ongoing Unresolved	6.20	1.02	23.92	7.33	Ongoing Unresolved	0.17	0.42	0.75	2.02	163.32	Ongoing Unresolved
Source	Cleanout	Cleanout	Cleanout	Cleanout	Cleanout	Cleanout	Cleanout	Cleanout	Manhole	Manhole	Cleanout	Cleanout	Manhole	Manhole	Manhole	Manhole	Cleanout	Manhole	Manhole
Location	5866 Kinder Dr	2002 Robinson Rd	1069 Autumn St	4213 Oakmont Dr	Wood Rose Ter	812 Garvin St	736 Lindsey Dr	705 Gardner St	3418 Forest Rd	3457 Forest Rd	1119 Ellis Ave	179 James St	3920 Illano Dr	3900 Eastover Dr	32 Baine St	290 Marla Ave	5520 Dolphin Dr	3982 Nassau St	105 Ecrest St
Time Began	6:33 AM	4:18 PM	1:24 PM	5:18 PM	2:20 PM	4:53 PM	2:04 PM	9:15 AM	6:18 PM	10:03 AM	2:06 PM	6:39 AM	11:20 AM	10:10 AM	12:35 PM	9:00 AM	10:25 AM	3:25 PM	10:00 AM
Date Began	8/27/2020	1/12/2021	2/18/2021	2/21/2021	2/27/2021	3/1/2021	3/4/2021	3/5/2021	3/7/2021	3/8/2021	3/9/2021	3/11/2021	3/11/2021	3/11/2021	3/13/2021	3/13/2021	3/17/2021	3/17/2021	3/18/2021

Table 1 cont.

City of Jackson, Mississippi

Quarterly Report No. 32 – January 2021 through March 2021

Collection System SSOs

		_		т			_					_
Reported Cause	Grease	Grease / Solids	Grease	Grease	Grease	Grease	Grease / Solids	Grease	Grease	Grease	Grease	Solids
Rainfall, Inches	00:00	0.58	. 20.0	0.33	0.00	00.00	0.00	00.00	0.56	96.0	96.0	0.52
Receiving Water	¥	Ž	ž	Lynch	¥	Ą	₹	Ą	¥	¥	¥	¥
Reached Waters of the State	2	2	2	Yes	2	2	2	2	2	2	2	2
Estimated Volume, Gallons	1,400	150	200	3,500	1,500	100	300	15,000	4,000	2,000	2,000	2,000
Estimated Duration, Hours	Ongoing Unresolved	6.33	21.95	Ongoing Unresolved	Ongoing Unresolved	09:0	0.57	Ongoing Unresolved	Ongoing Unresolved	Ongoing Unresolved	Ongoing Unresolved	1.13
Source	Cleanout	Manhole	Manhole	Manhole	Manhole	Manhole	Cleanout	Manhole	Manhole	Manhole	Manhole	Manhole
Location	747 Forest Ave	327 S Gallatin St	3515 W Northside Dr	1219 Corinth St	Forest Ave / Watkins Dr	524 N Canton Club Cir	179 James St	787 E Northside Dr	Linden Pl	3368 Bailey Ave	3354 Bainbridge Dr	2230 Scanlon Dr
Time Began	2:59 PM	9:32 AM	12:40 PM	12:39 PM	2:50 PM	10:54 AM	10:41 AM	8:00 AM	2:30 PM	1:00 PM	1:30 PM	10:20 AM
Date Began	3/18/2021	3/23/2021	3/24/2021	3/25/2021	3/26/2021	3/27/2021	3/28/2021	3/29/2021	3/30/2021	3/31/2021	3/31/2021	3/31/2021

Figure 1: Collection System SSOs by Cause 30 SSOs by Cause 20 10 0 Jan-21 Feb-21 Mar-21 Other 1.00 1.00 1.00 Collapsed Pipe 0.67 1.00 1.00 Solids 6.33 4.50 4.50 Roots 0.67 0.50 1.00 Grease 11.33 11.00 23.50 Rainfall 3.36 2.23 6.11

Figure 2: Percentage of Collection System SSOs by Cause

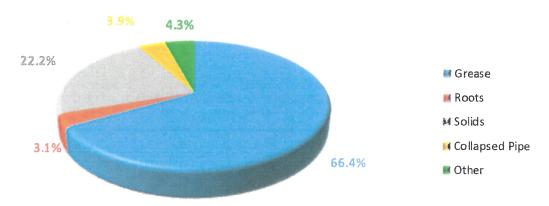
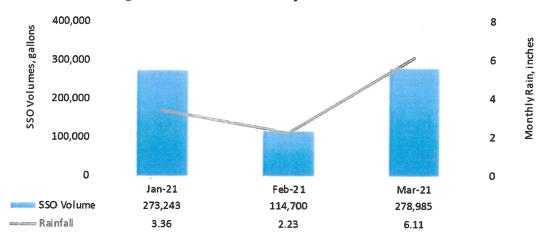
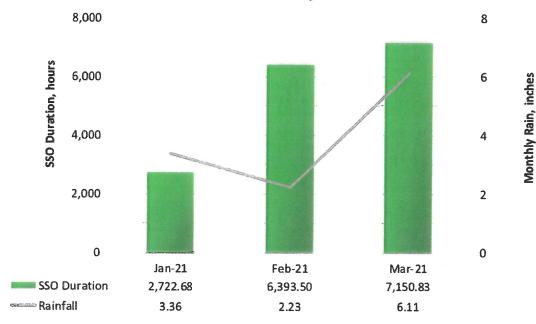


Figure 3: Collection System SSO Volume



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

Figure 4: Collection System SSO Duration



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

2.2 Pump Station SSOs

 Table 2 lists pump station SSOs for January through March 2021.

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. 32 – January 2021 through March 2021
Pump Station SSOs

Date Began	Time Began	Location	Source	Estimated Duration,	Estimated	Reached	Receiving	Rainfall,	Reported Cause
				nours	voiume, Gallons	Waterway	Water	Inches	
			NO PUMP	NO PUMP STATION SSOs REPORTED - January 2021	PORTED - Janu	ary 2021			
			NO PUMP	NO PUMP STATION SSOs REPORTED - February 2021	PORTED - Febru	lary 2021			
			NO PUMP	NO PUMP STATION SSOs REPORTED - March 2021	EPORTED - Mar	ch 2021			

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 January through March 2021.

Figures 8 through 12 are not used in this report because $\underline{\mathbf{no}}$ SSOs were reported on the West Bank Interceptor this quarter.

Table 3
City of Jackson, Mississippi
Quarterly Report No. 32 – January 2021 through March 2021
West Bank Interceptor SSOs

			Ī
Reported Cause			
Rainfall, Inches			
Receiving Water	ary 2021	ary 2021	ch 2021
Reached Waterway	ED - Janua	D - Febru	red - Mar
Estimated Volume, Gallons	WEST BANK INTERCEPTOR SSOs REPORTED - January 2021	WEST BANK INTERCEPTOR SSOs REPORTED - February 2021	WEST BANK INTERCEPTOR SSOs REPORTED - March 2021
Estimated Duration, Hours	RCEPTOR SS	REPTOR SS	RCEPTOR S
Source	BANK INTE	SANK INTER	BANK INTE
Location	NO WEST	NO WEST E	NO WEST
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 were eight (8) bypass events this reporting period. All events were caused by excessive flow and high Storm Cell levels due to rainfall and West Rankin flow diversion. The Jackson area (National Weather Service-Jackson) received 11.70" of rainfall, or 20.17% below normal for the calendar year. It should be noted that 6.11", or 52.22%, of the rainfall occurred in March.

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

- RAW pump #4 pump motor
- Aeration Blower #3
- New Effluent Screw pump #2
- Raw Sewage 54-inch valve stem broken
- West Rankin Diversion valve
- West Rankin Force Main piping

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

Table 4
City of Jackson, Mississippi
Quarterly Report No. 32 – January 2021 through March 2021
Prohibited Bypasses

Date Began	Time Began	Location	Source	Estimated Duration, Days	Estimated Volume, Million Gallons	Reached Waterway	Receiving Water	Rainfall, Inches	Reported Cause
01/01/21	11:38 AM	3810155 S	WWTP	4	101.32	Yes	Pearl	0.86	Excessive flow
01/11/21	7:30 AM	38101558	WWTP	5	159.00	Yes	Pearl	.63 rain / 1.2 snow	Excessive flow
01/22/21	1:00 PM	3810 I 55 S	WWTP	7	182.37	Yes	Pearl	1.90	Excessive flow
02/07/21	6:49 PM	3810155 S	WWTP	9	84.51	Yes	Pearl	0.55	Excessive flow
02/18/21	8:03 AM	38101558	WWTP	6	283.31	Yes	Pearl	1.05	Excessive flow
03/01/21	9:40 PM	3810155 S	WWTP	9	190.93	Yes	Pearl	1.02	Excessive flow
03/16/21	3:45 PM	3810155 S	WWTP	9	188.38	Yes	Pearl	2.58	Excessive flow
03/25/21	2:20 PM	3810 55 S	WWTP	5	133.79	Yes	Pearl	1.73	Excessive flow
03/31/21	10:05 PM	3810 55 S	WWTP	Ongo	Ongoing***	Yes	Pearl		Excessive flow

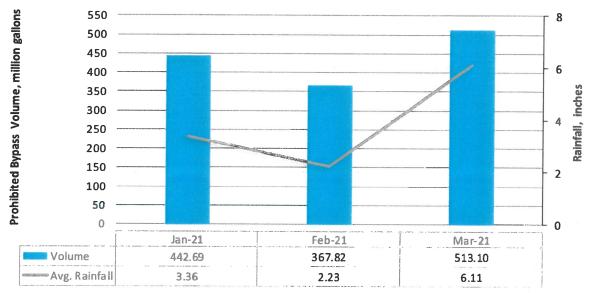
1. The total duration and volume bypassed for each event is shown in the table above.

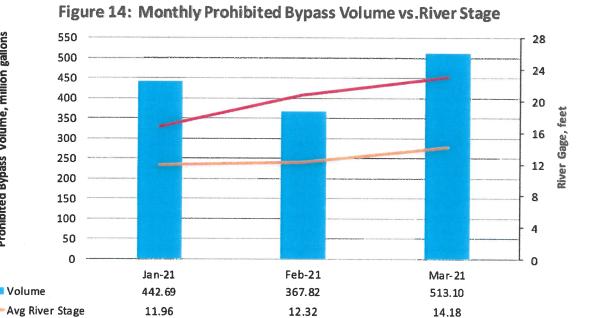
2. Total rainfall is shown for the duration of each event.

3. Volumes reported are measured at bypass flume prior to combining with plant flow.

4. An additional bypass began on March 31st at 10:05 p.m. and was ongoing at the end of the reporting period. Consistent with previous reports, details of this bypass will be included in the month the bypass ends.







20.87

23.03

Prohibited Bypass Volume, million gallons

Max Stage

16.78

