Mayor
JIMMIE SMITH
(P) 601.485.1927
(F) 601.485.1911

Councilmembers
GEORGE M. THOMAS
Ward 1

DWAYNE DAVIS
Ward 2

JOSEPH NORWOOD
Ward 3

ROMANDE GAIL WALKER
Ward 4

TYEASHA "TY" BELL LINDSEY
Ward 5

COUNCIL CLERK:
(P) 601.485.1959
(F) 601.485.1913

CITY DEPARTMENTS:

Chief Administrative Officer:
(P) 601.485.1929
(F) 601.485.1911

Community Development:
(P) 601.485.1910
(F) 601.485.1913

Finance and Records:
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Fire:
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Homeland Security:
(P) 601.484.6890
(F) 601.484.6895

Parks and Recreation:
(P) 601.485.1802
(F) 601.485.1851

Police:
(P) 601.485.1841
(F) 601.484.6832

Public Works:
(P) 601.485.1920
(F) 601.485.1864

601 23rd Avenue
Post Office Box 1430
Meridian, MS 39302-1430
www.meridianms.org

January 31, 2024

Case No. 3:19-cv-00427-DPJ-FKB

EES Case Management Unit
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, DC 20044-7611
Re: DOJ No. 90-5-1-1-11167

Chief, NPDES Permitting and Enforcement Branch
Water Protection Division
U.S. Environmental Protection Agency, Region 4
ATTN: Mr. John C. Goodwin
61 Forsyth Street, S.W.
Atlanta, GA 30303

Chief, Environmental Compliance and Enforcement Division
Office of Pollution Control
Mississippi Department of Environmental Quality
P.O. Box 2261
Jackson, MS 39225-2261

Re: City of Meridian, Mississippi – EPA Consent Decree
Semi Annual Report No. 9

Dear Ladies and Gentlemen:

Please find enclosed the City of Meridian Semi-Annual Report No. 9, as required in Section IX of the Consent Decree. Should you have any questions, please contact me.

Sincerely,

David M. Hodge, P.E., Director
Department of Public Works

Enclosure
Cc: Honorable Jimmie Smith, Mayor
Ronald Thompson, P.E., Waggoner Engineering, Inc.
David Ruhl, P.E., RPG, Waggoner Engineering, Inc.

Wastewater System Consent Decree
Meridian, Mississippi

Semi Annual Report No. 9

January 31, 2024

PUBLIC WORKS DEPARTMENT
311 27th Avenue, Meridian, MS 39302
P: 601.485.1990 | F: 601.485.1864

City of Meridian
Wastewater Consent Decree Program

Semi-Annual Report No. 9
July 2023 through December 2023

January 31, 2024

Prepared for:

City of Meridian
Department of Public Works
311 27th Ave.
Meridian, MS 39302

Prepared by:

Waggoner Engineering, Inc.
2211 5th Street, Suite 107
Meridian, MS 39301

City of Meridian, Mississippi
Semi-Annual Report No. 9
July 2023 through December 2023

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.

Jimmie Smith, Mayor
City of Meridian

1/29/24
Date

Semi-Annual Report No. 9

July 2023 through December 2023

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1.0 Introduction

1.1 Overview

On August 6th, 2019, the City of Meridian, Mississippi (City) entered into a Consent Decree (CD) with the United States Environmental Protection Agency (EPA), the State of Mississippi Department of Environmental Quality (MDEQ) and the United States Department of Justice (USDOJ) to address deficiencies within the City's wastewater collection and transmission system (WCTS), with the goal of eliminating sanitary sewer overflows (SSOs) and achieving continued compliance, in full, with the Clean Water Act (CWA), the Mississippi Air and Water Pollution Control Law (MAWPCL) and the National Pollutant Discharge Elimination System (NPDES) Permit.

One of the ongoing requirements of the EPA Consent Decree is to submit periodic reports to demonstrate continuing compliance. The specific reporting requirements of the CD are described below.

1.2 Authority to Promulgate

The City retained Waggoner Engineering, Inc., Neel-Schaffer, Inc., and Kimley-Horn and Associates, Inc. to assist the City in addressing the requirements of the Consent Decree. Accordingly, Waggoner Engineering, Inc. prepared this Semi-Annual Report with input from the City and its various contractors to fulfill the requirements of Section IX ¶ 26 (a) set forth in the CD.

1.3 Consent Decree Requirements for Semi-Annual Report

As stated in the Consent Decree Section IX ¶ 26 (a), the Semi-Annual Report shall be submitted beginning one (1) Month after the first two (2) Calendar Quarters following the Effective Date of this Consent Decree, and one (1) Month after each subsequent two (2) Calendar Quarters until termination of the Consent Decree, the City shall submit to EPA for review and approval a Semi-Annual Report. Each Semi-Annual Report shall include, at a minimum:

1) *The date, time, location (including whether in Group 1, 2, or 3), source, estimated duration, estimated volume, receiving water (if any), and cause of all SSOs occurring in the applicable six (6)-Month period in a tabulated electronic format. When available pursuant to Paragraph 20.b(8) of this consent decree (Remote Monitoring), each Semi-Annual Report shall also include information on all events when the Threshold specified by the City are attained and/or exceeded as identified by the remote monitoring devices required pursuant to Paragraph 20.b(8) of*

this Consent Decree;

2) *The date, time, estimated duration, estimated volume, and cause of all effluent violations occurring in the applicable six (6)-Month period in a tabulated electronic format.*

3) *A description of projects and activities completed, and milestones achieved during the previous applicable six (6)-Month period pursuant to the requirements of this Consent Decree, in Gantt chart or similar format, including a description of the status of compliance or non-compliance with the requirements of this Consent Decree and, if applicable, the reasons for non-compliance. If any non-compliance cannot be fully explained at the time the report is due, the City shall include a statement to that effect in the report. The City shall investigate to determine the cause of the non-compliance and then shall submit an amendment to the report, including a full explanation of the cause of the non-compliance, within thirty (30) Days after submission of the Semi-Annual Report.*

4) *A summary of significant projects and activities anticipated to be performed, and milestones anticipated to be achieved, in the successive applicable six (6) -month period to comply with the requirements of this Consent Decree, in Gantt chart or similar format.*

5) *Any additional information the City determines is appropriate to demonstrate that the City is implementing the remedial actions required under this Consent Decree in an adequate and timely manner.*

2.0 Summary of Sanitary Sewer Overflows and Effluent Violations

The following sections provide the Sanitary Sewer Overflows from the wastewater collection and transmission system, NPDES discharge permit exceedances and Prohibited Bypasses from the wastewater treatment facilities during this reporting period (July 1, 2023 – December 31, 2023).

2.1 Sanitary Sewer Overflows

As defined in the CD, the definition of a "Sanitary Sewer Overflow", or "SSO", shall mean any discharge of wastewater to waters of the United States or the State from the City's Sewer System through a point source not specified in any NPDES permit, as well as any overflow, spill, or release of wastewater to public or private property from the Sewer System that may not have reached waters of the United States or the State, including all Building Backups.

Table 1 lists Sanitary Sewer Overflows reported in the City's system from July 2023 through December 2023. If an overflow took place in an area not considered a Chronic SSO and is not being monitored, then an address is provided in the Chronic SSO # column.

Table 2 lists sanitary sewer overflow level alarms from July 2023 through December 2023.

Table 3 lists sanitary sewer high-high level alarms from July 2023 through December 2023.

Table 4 lists sanitary sewer high level alarms from July 2023 through December 2023.

Table 5 lists sanitary sewer full pipe level alarms from July 2023 through December 2023.

Alarms shown in Tables 2 through Table 5 are triggered at SSO locations remotely monitored throughout the City. Each table indicates manhole levels at full pipe, high level, high-high level and overflow.

During a portion of this reporting period, two sanitary sewer remote monitors were not reporting data. SSO-3, located near 22nd Avenue and North Frontage Road, was not reporting data from June 29, 2023, to August 23, 2023. During that period there was 2.33" of rain reported by the National Weather Service. Prior to this, SSO-3 had no reports of an overflow since the monitor was installed.

SSO-11, located on Parkway Boulevard at 32nd Street, went down August 17, 2023, and returned to service on August 24, 2023. During this period, the National Weather Service reported 0" of rain.

Table 1
Sanitary Sewer Overflows
City of Meridian, Mississippi
Semi Annual Report No. 9 – July 2023 through December 2023

COUNT	CHRONIC SSO #	SOURCE	START	END	DURATION (Minutes)	GALLONS	WATERS IMPACTED	CAUSE	RAINFALL	REPORT
1	8	Manhole	07/13/23 12:40 PM	07/13/23 12:55 PM	15	1,500	Robbins Branch, Sowashee Creek	Excessive Rain	1.65"	Yes
2	7	Manhole	07/13/23 12:55 PM	07/13/23 7:45 PM	410	82,000	Okatibbee Creek	Excessive Rain	1.65"	Yes
3	7	Manhole	07/14/23 5:55 PM	07/15/23 12:15 AM	380	76,000	Okatibbee Creek	Rain		Yes*
4	7	Manhole	07/15/23 5:10 PM	07/15/23 7:10 PM	120	24,120	Okatibbee Creek	Rain		Yes*
5	Lift Station 1 (NAS Meridian Main Gate)	Lift Station	07/31/23 7:00 AM	07/31/23 7:48 AM	48	7,200	Rabbit Creek	Rain, Power Outage, LS Failure	1"	Yes
6	3502 Dale Dr.	Bypass Pump	08/16/23 2:08 PM	08/16/23 2:43 PM	35	1,750	Sowashee Creek	Pump Failure	0	Yes
7	Loper Creek Lift Station	Lift Station	08/24/23 7:40 AM	08/24/23 8:15 AM	35	3,500	Loper Creek	Pump Failure	0	Yes
8	3502 Dale Dr.	Bypass Pump	11/06/23 3:13 PM	11/06/23 3:40 PM	27	4,050	Sowashee Creek	Pump Blockage	0	Yes
9	3502 Dale Dr.	Bypass Pump	11/07/23 2:00 PM	11/07/23 3:00 PM	60	3,000	Sowashee Creek	Pump Blockage	0	Yes
10	Northwood	Lift Station	11/08/23 8:15 AM	11/8/23 8:40 AM	35	7,000	Sowashee Creek	Lift Station Failure	0	Yes
11	12th Ave., 47th St.	Gravity Main	11/20/23 7:30 AM	11/21/23 2:00 PM	1,850	457,500	Gallagher Creek	Pipe Collapse	0	Yes

Table 1
Sanitary Sewer Overflows
City of Meridian, Mississippi
Semi Annual Report No. 9 – July 2023 through December 2023

COUNT	CHRONIC SSO #	SOURCE	START	END	DURATION (Minutes)	GALLONS	WATERS IMPACTED	CAUSE	RAINFALL	REPORT
12	4120 58th Pl.	Manhole	11/20/23	11/20/23	90	1,350	Unknown Ditch	Blockage Debris	0	Yes
13	Chip Pickering Dr.	Force Main	11/30/23 8:00 AM	11/30/23 3:00 PM	420	40,740	Small Branch into Rabbit Creek	Broken Pipe	0	Yes
14	6613 N. Hills St.	Gravity Main	12/12/23 12:42 PM	12/12/23 4:30 PM	228	79,800	Okatibbee Creek	Broken Pipe	0	Yes
15	6900 Old Hwy 80 W	Manhole	12/17/23 2:04 PM	12/17/23 3:20 PM	76	22,800	Sowashee Creek	Lift Station Failure	0	Yes
16	Sweet Gum Bottom Rd. Lift Station	Lift Station	12/22/2023 8:00 AM	12/22/2023 10:47 AM	167	14,195	Unknown Tributary Branch	Lift Station Failure	0	Yes

* The City of Meridian originally submitted one SSO report for SSO-7 as one continuous event, but after analysis of data from the Prism Remote SSO Monitoring System, it was determined there were three separate SSOs within the original timeframe. These are documented in Table 1 of this report as Counts 2, 3 and 4.

Table 2
Sanitary Sewer Remote Monitoring Alarm Log (Overflow Condition)
Semi-Annual Report No. 9 - July 2023 through December 2023

Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Overflow	7/13/2023 12:40	SSO-8	36th Ave / Parkway Blvd	System	7/13/2023 13:04	System	7/13/2023 13:04	7/13/2023 13:00
Overflow	7/13/2023 12:55	SSO-7	181 65th Avenue	System	7/13/2023 18:59	System	7/13/2023 18:59	7/13/2023 18:55
Overflow	7/13/2023 19:15	SSO-7	181 65th Avenue	System	7/13/2023 19:49	System	7/13/2023 19:49	7/13/2023 19:45
Overflow	7/14/2023 17:55	SSO-7	181 65th Avenue	System	7/14/2023 23:14	System	7/14/2023 23:14	7/14/2023 23:10
Overflow	7/14/2023 23:50	SSO-7	181 65th Avenue	System	7/15/2023 0:19	System	7/15/2023 0:19	7/15/2023 0:15
Overflow	7/15/2023 17:10	SSO-7	181 65th Avenue	System	7/15/2023 17:54	System	7/15/2023 17:54	7/15/2023 17:50
Overflow	7/15/2023 17:55	SSO-7	181 65th Avenue	System	7/15/2023 20:04	System	7/15/2023 20:04	7/15/2023 20:00

Table 3
Sanitary Sewer Remote Monitoring Alarm Log (High-High Condition)
Semi-Annual Report No. 9 - July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	High High	7/4/2023 14:45	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 15:45	System	7/4/2023 15:45	7/4/2023 15:45
Cleared	High High	7/4/2023 15:50	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 16:01	System	7/4/2023 16:01	7/4/2023 15:55
Cleared	High High	7/8/2023 22:35	SSO-2	Stribling Equipment / Highway 11/80	System	7/8/2023 22:51	System	7/8/2023 22:51	7/8/2023 22:50
Cleared	High High	7/9/2023 17:35	SSO-1	Cracker Barrel / Highway 11/80	System	7/9/2023 21:36	System	7/9/2023 21:36	7/9/2023 21:35
Cleared	High High	7/9/2023 17:35	SSO-2	Stribling Equipment / Highway 11/80	System	7/10/2023 15:50	System	7/10/2023 15:50	7/10/2023 15:50
Cleared	High High	7/9/2023 17:55	SSO-10	East WWTP Hwy 45 N	System	7/9/2023 18:01	System	7/9/2023 18:01	7/9/2023 18:00
Cleared	High High	7/9/2023 17:55	SSO-4	North Frontage Rd / 18th Ave	System	7/9/2023 22:10	System	7/9/2023 22:10	7/9/2023 22:05
Cleared	High High	7/10/2023 1:50	SSO-1	Cracker Barrel / Highway 11/80	System	7/10/2023 4:02	System	7/10/2023 4:02	7/10/2023 4:00
Cleared	High High	7/10/2023 8:25	SSO-1	Cracker Barrel / Highway 11/80	System	7/10/2023 14:35	System	7/10/2023 14:35	7/10/2023 14:35
Cleared	High High	7/10/2023 9:35	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 11:35	System	7/10/2023 11:35	7/10/2023 11:35
Cleared	High High	7/13/2023 12:30	SSO-8	36th Ave / Parkway Blvd	System	7/13/2023 13:14	System	7/13/2023 13:14	7/13/2023 13:10
Cleared	High High	7/13/2023 12:30	SSO-9	40th Ave / 26th St	System	7/13/2023 14:04	System	7/13/2023 14:04	7/13/2023 14:00
Cleared	High High	7/13/2023 12:45	SSO-2	Stribling Equipment / Highway 11/80	System	7/14/2023 4:21	System	7/14/2023 4:21	7/14/2023 4:20
Cleared	High High	7/13/2023 12:45	SSO-5	Sowashee St	System	7/13/2023 13:29	System	7/13/2023 13:29	7/13/2023 13:25
Cleared	High High	7/13/2023 12:45	SSO-7	181 65th Avenue	System	7/13/2023 20:29	System	7/13/2023 20:29	7/13/2023 20:25
Cleared	High High	7/13/2023 12:50	SSO-4	North Frontage Rd / 18th Ave	System	7/13/2023 22:00	System	7/13/2023 22:00	7/13/2023 21:55
Cleared	High High	7/13/2023 12:55	SSO-1	Cracker Barrel / Highway 11/80	System	7/13/2023 15:10	System	7/13/2023 15:10	7/13/2023 15:10
Cleared	High High	7/13/2023 13:00	SSO-10	East WWTP Hwy 45 N	System	7/13/2023 13:05	System	7/13/2023 13:05	7/13/2023 13:05
Cleared	High High	7/13/2023 13:25	SSO-10	East WWTP Hwy 45 N	System	7/14/2023 3:10	System	7/14/2023 3:10	7/14/2023 3:10
Cleared	High High	7/13/2023 20:35	SSO-7	181 65th Avenue	System	7/13/2023 21:14	System	7/13/2023 21:14	7/13/2023 21:10

Table 3
Sanitary Sewer Remote Monitoring Alarm Log (High-High Condition)
Semi-Annual Report No. 9 - July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	High High	7/14/2023 4:55	SSO-2	Stribling Equipment / Highway 11/80	System	7/16/2023 1:56	System	7/16/2023 1:56	7/16/2023 1:55
Cleared	High High	7/14/2023 11:15	SSO-1	Cracker Barrel / Highway 11/80	System	7/14/2023 11:35	System	7/14/2023 11:35	7/14/2023 11:35
Cleared	High High	7/14/2023 16:40	SSO-1	Cracker Barrel / Highway 11/80	System	7/15/2023 2:06	System	7/15/2023 2:06	7/15/2023 2:05
Cleared	High High	7/14/2023 17:30	SSO-4	North Frontage Rd / 18th Ave	System	7/15/2023 0:15	System	7/15/2023 0:15	7/15/2023 0:10
Cleared	High High	7/14/2023 17:45	SSO-7	181 65th Avenue	System	7/15/2023 0:54	System	7/15/2023 0:54	7/15/2023 0:50
Cleared	High High	7/15/2023 1:30	SSO-7	181 65th Avenue	System	7/15/2023 1:44	System	7/15/2023 1:44	7/15/2023 1:40
Cleared	High High	7/15/2023 7:25	SSO-1	Cracker Barrel / Highway 11/80	System	7/15/2023 14:56	System	7/15/2023 14:56	7/15/2023 14:55
Cleared	High High	7/15/2023 17:05	SSO-7	181 65th Avenue	System	7/15/2023 20:39	System	7/15/2023 20:39	7/15/2023 20:35
Cleared	High High	7/15/2023 20:50	SSO-7	181 65th Avenue	System	7/15/2023 21:39	System	7/15/2023 21:39	7/15/2023 21:35
Cleared	High High	7/16/2023 7:30	SSO-2	Stribling Equipment / Highway 11/80	System	7/17/2023 0:16	System	7/17/2023 0:16	7/17/2023 0:15
Cleared	High High	7/30/2023 17:20	SSO-2	Stribling Equipment / Highway 11/80	System	7/31/2023 2:51	System	7/31/2023 2:51	7/31/2023 2:50
Cleared	High High	7/30/2023 17:30	SSO-1	Cracker Barrel / Highway 11/80	System	7/30/2023 23:31	System	7/30/2023 23:31	7/30/2023 23:30
Cleared	High High	7/30/2023 18:00	SSO-4	North Frontage Rd / 18th Ave	System	7/30/2023 22:00	System	7/30/2023 22:00	7/30/2023 21:55

Table 4
Sanitary Sewer Remote Monitoring Alarm Log (High-Level Condition)
Semi-Annual Report No. 9 - July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	High Level	7/4/2023 14:35	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 16:40	System	7/4/2023 16:40	7/4/2023 16:40
Cleared	High Level	7/4/2023 16:45	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 17:20	System	7/4/2023 17:20	7/4/2023 17:10
Cleared	High Level	7/4/2023 17:15	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 18:30	System	7/4/2023 18:30	7/4/2023 18:30
Cleared	High Level	7/4/2023 18:35	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 19:10	System	7/4/2023 19:10	7/4/2023 19:10
Cleared	High Level	7/4/2023 19:15	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 19:20	System	7/4/2023 19:20	7/4/2023 19:20
Cleared	High Level	7/4/2023 19:25	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 19:30	System	7/4/2023 19:30	7/4/2023 19:30
Cleared	High Level	7/4/2023 19:35	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 19:45	System	7/4/2023 19:45	7/4/2023 19:40
Cleared	High Level	7/4/2023 19:45	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 19:55	System	7/4/2023 19:55	7/4/2023 19:55
Cleared	High Level	7/4/2023 20:10	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 20:16	System	7/4/2023 20:16	7/4/2023 20:15
Cleared	High Level	7/4/2023 20:20	SSO-10	East WWTP Hwy 45 N	System	7/4/2023 20:25	System	7/4/2023 20:25	7/4/2023 20:25
Cleared	High Level	7/5/2023 23:25	SSO-10	East WWTP Hwy 45 N	System	7/6/2023 3:25	System	7/6/2023 3:25	7/6/2023 3:25
Cleared	High Level	7/6/2023 12:15	SSO-1	Cracker Barrel / Highway 11/80	System	7/6/2023 14:04	System	7/6/2023 14:04	7/6/2023 12:30
Cleared	High Level	7/8/2023 15:15	SSO-10	East WWTP Hwy 45 N	System	7/8/2023 15:20	System	7/8/2023 15:20	7/8/2023 15:20
Cleared	High Level	7/8/2023 19:40	SSO-10	East WWTP Hwy 45 N	System	7/8/2023 19:45	System	7/8/2023 19:45	7/8/2023 19:45
Cleared	High Level	7/8/2023 19:45	SSO-2	Stribling Equipment / Highway 11/80	System	7/9/2023 4:16	System	7/9/2023 4:16	7/9/2023 4:15
Cleared	High Level	7/8/2023 20:10	SSO-10	East WWTP Hwy 45 N	System	7/8/2023 20:15	System	7/8/2023 20:15	7/8/2023 20:15
Cleared	High Level	7/8/2023 20:25	SSO-10	East WWTP Hwy 45 N	System	7/8/2023 20:30	System	7/8/2023 20:30	7/8/2023 20:30
Cleared	High Level	7/8/2023 20:40	SSO-10	East WWTP Hwy 45 N	System	7/8/2023 21:40	System	7/8/2023 21:40	7/8/2023 21:40
Cleared	High Level	7/8/2023 21:10	SSO-4	North Frontage Rd / 18th Ave	System	7/9/2023 1:25	System	7/9/2023 1:25	7/9/2023 1:20
Cleared	High Level	7/8/2023 22:10	SSO-1	Cracker Barrel / Highway 11/80	System	7/9/2023 0:11	System	7/9/2023 0:11	7/9/2023 0:10
Cleared	High Level	7/8/2023 22:15	SSO-10	East WWTP Hwy 45 N	System	7/8/2023 22:20	System	7/8/2023 22:20	7/8/2023 22:20
Cleared	High Level	7/9/2023 15:20	SSO-10	East WWTP Hwy 45 N	System	7/9/2023 15:25	System	7/9/2023 15:25	7/9/2023 15:25
Cleared	High Level	7/9/2023 15:35	SSO-10	East WWTP Hwy 45 N	System	7/9/2023 15:41	System	7/9/2023 15:41	7/9/2023 15:40
Cleared	High Level	7/9/2023 15:35	SSO-2	Stribling Equipment / Highway 11/80	System	7/10/2023 23:06	System	7/10/2023 23:06	7/10/2023 23:05
Cleared	High Level	7/9/2023 15:45	SSO-10	East WWTP Hwy 45 N	System	7/9/2023 16:15	System	7/9/2023 16:15	7/9/2023 16:15
Cleared	High Level	7/9/2023 16:20	SSO-10	East WWTP Hwy 45 N	System	7/9/2023 21:45	System	7/9/2023 21:45	7/9/2023 21:45
Cleared	High Level	7/9/2023 17:10	SSO-4	North Frontage Rd / 18th Ave	System	7/10/2023 9:39	System	7/10/2023 9:39	7/10/2023 9:35
Cleared	High Level	7/9/2023 17:30	SSO-1	Cracker Barrel / Highway 11/80	System	7/10/2023 19:26	System	7/10/2023 19:26	7/10/2023 19:25
Cleared	High Level	7/9/2023 17:45	SSO-9	40th Ave / 26th St	System	7/9/2023 17:59	System	7/9/2023 17:59	7/9/2023 17:55

Table 4
Sanitary Sewer Remote Monitoring Alarm Log (High-Level Condition)
Semi-Annual Report No. 9 - July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	High Level	7/9/2023 17:50	SSO-6	16th Ave/ B St	System	7/9/2023 18:14	System	7/9/2023 18:14	7/9/2023 18:10
Cleared	High Level	7/9/2023 21:50	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 5:25	System	7/10/2023 5:25	7/10/2023 5:25
Cleared	High Level	7/10/2023 5:30	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 16:16	System	7/10/2023 16:16	7/10/2023 16:15
Cleared	High Level	7/10/2023 9:40	SSO-4	North Frontage Rd / 18th Ave	System	7/10/2023 9:49	System	7/10/2023 9:49	7/10/2023 9:45
Cleared	High Level	7/10/2023 9:55	SSO-4	North Frontage Rd / 18th Ave	System	7/10/2023 10:04	System	7/10/2023 10:04	7/10/2023 10:00
Cleared	High Level	7/10/2023 10:10	SSO-4	North Frontage Rd / 18th Ave	System	7/10/2023 10:19	System	7/10/2023 10:19	7/10/2023 10:15
Cleared	High Level	7/10/2023 10:20	SSO-4	North Frontage Rd / 18th Ave	System	7/10/2023 21:43	System	7/10/2023 21:43	7/10/2023 21:30
Cleared	High Level	7/10/2023 16:30	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 16:40	System	7/10/2023 16:40	7/10/2023 16:40
Cleared	High Level	7/10/2023 17:55	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 18:01	System	7/10/2023 18:01	7/10/2023 18:00
Cleared	High Level	7/10/2023 18:45	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 18:50	System	7/10/2023 18:50	7/10/2023 18:50
Cleared	High Level	7/10/2023 19:30	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 19:35	System	7/10/2023 19:35	7/10/2023 19:35
Cleared	High Level	7/10/2023 20:25	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 20:30	System	7/10/2023 20:30	7/10/2023 20:30
Cleared	High Level	7/10/2023 21:20	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 21:26	System	7/10/2023 21:26	7/10/2023 21:25
Cleared	High Level	7/10/2023 22:10	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 22:16	System	7/10/2023 22:16	7/10/2023 22:15
Cleared	High Level	7/10/2023 23:05	SSO-10	East WWTP Hwy 45 N	System	7/10/2023 23:10	System	7/10/2023 23:10	7/10/2023 23:10
Cleared	High Level	7/13/2023 12:05	SSO-10	East WWTP Hwy 45 N	System	7/14/2023 8:30	System	7/14/2023 8:30	7/14/2023 8:30
Cleared	High Level	7/13/2023 12:20	SSO-9	40th Ave / 26th St	System	7/13/2023 14:19	System	7/13/2023 14:19	7/13/2023 14:15
Cleared	High Level	7/13/2023 12:25	SSO-2	Stribling Equipment / Highway 11/80	System	7/17/2023 4:56	System	7/17/2023 4:56	7/17/2023 4:55
Cleared	High Level	7/13/2023 12:25	SSO-4	North Frontage Rd / 18th Ave	System	7/17/2023 5:41	System	7/17/2023 5:41	7/17/2023 3:40
Cleared	High Level	7/13/2023 12:30	SSO-8	36th Ave / Parkway Blvd	System	7/13/2023 13:19	System	7/13/2023 13:19	7/13/2023 13:15
Cleared	High Level	7/13/2023 12:35	SSO-1	Cracker Barrel / Highway 11/80	System	7/16/2023 2:51	System	7/16/2023 2:51	7/16/2023 2:50
Cleared	High Level	7/13/2023 12:35	SSO-5	Sowashee St	System	7/13/2023 14:04	System	7/13/2023 14:04	7/13/2023 14:00
Cleared	High Level	7/13/2023 12:40	SSO-11	3136 Parkway Blvd	System	7/13/2023 13:50	System	7/13/2023 13:50	7/13/2023 13:50
Cleared	High Level	7/13/2023 12:45	SSO-7	181 65th Avenue	System	7/13/2023 21:28	System	7/13/2023 21:28	7/13/2023 21:20
Cleared	High Level	7/13/2023 22:10	SSO-7	181 65th Avenue	System	7/13/2023 22:28	System	7/13/2023 22:28	7/13/2023 22:20
Cleared	High Level	7/14/2023 8:35	SSO-10	East WWTP Hwy 45 N	System	7/14/2023 8:40	System	7/14/2023 8:40	7/14/2023 8:40
Cleared	High Level	7/14/2023 8:45	SSO-10	East WWTP Hwy 45 N	System	7/14/2023 8:50	System	7/14/2023 8:50	7/14/2023 8:50

Table 4
Sanitary Sewer Remote Monitoring Alarm Log (High-Level Condition)
Semi-Annual Report No. 9 - July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	High Level	7/14/2023 12:35	SSO-10	East WWTP Hwy 45 N	System	7/14/2023 12:40	System	7/14/2023 12:40	7/14/2023 12:40
Cleared	High Level	7/14/2023 16:20	SSO-10	East WWTP Hwy 45 N	System	7/14/2023 16:25	System	7/14/2023 16:25	7/14/2023 16:25
Cleared	High Level	7/14/2023 16:55	SSO-10	East WWTP Hwy 45 N	System	7/14/2023 23:55	System	7/14/2023 23:55	7/14/2023 22:05
Cleared	High Level	7/14/2023 17:40	SSO-7	181 65th Avenue	System	7/15/2023 1:04	System	7/15/2023 1:04	7/15/2023 1:00
Cleared	High Level	7/14/2023 22:10	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 3:00	System	7/15/2023 3:00	7/15/2023 3:00
Cleared	High Level	7/15/2023 1:25	SSO-7	181 65th Avenue	System	7/15/2023 1:54	System	7/15/2023 1:54	7/15/2023 1:50
Cleared	High Level	7/15/2023 3:15	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 3:35	System	7/15/2023 3:35	7/15/2023 3:30
Cleared	High Level	7/15/2023 5:15	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 5:20	System	7/15/2023 5:20	7/15/2023 5:20
Cleared	High Level	7/15/2023 5:45	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 6:05	System	7/15/2023 6:05	7/15/2023 5:50
Cleared	High Level	7/15/2023 6:50	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 6:55	System	7/15/2023 6:55	7/15/2023 6:55
Cleared	High Level	7/15/2023 7:55	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 8:10	System	7/15/2023 8:10	7/15/2023 8:00
Cleared	High Level	7/15/2023 9:40	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 9:45	System	7/15/2023 9:45	7/15/2023 9:45
Cleared	High Level	7/15/2023 10:20	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 10:25	System	7/15/2023 10:25	7/15/2023 10:25
Cleared	High Level	7/15/2023 11:00	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 11:05	System	7/15/2023 11:05	7/15/2023 11:05
Cleared	High Level	7/15/2023 11:40	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 11:45	System	7/15/2023 11:45	7/15/2023 11:45
Cleared	High Level	7/15/2023 12:20	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 12:25	System	7/15/2023 12:25	7/15/2023 12:25
Cleared	High Level	7/15/2023 15:15	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 15:20	System	7/15/2023 15:20	7/15/2023 15:20
Cleared	High Level	7/15/2023 16:00	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 16:05	System	7/15/2023 16:05	7/15/2023 16:05
Cleared	High Level	7/15/2023 16:45	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 16:50	System	7/15/2023 16:50	7/15/2023 16:50
Cleared	High Level	7/15/2023 16:45	SSO-7	181 65th Avenue	System	7/15/2023 16:58	System	7/15/2023 16:58	7/15/2023 16:50
Cleared	High Level	7/15/2023 17:00	SSO-7	181 65th Avenue	System	7/15/2023 21:58	System	7/15/2023 21:58	7/15/2023 21:50
Cleared	High Level	7/15/2023 17:30	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 17:35	System	7/15/2023 17:35	7/15/2023 17:35
Cleared	High Level	7/15/2023 19:05	SSO-10	East WWTP Hwy 45 N	System	7/15/2023 19:10	System	7/15/2023 19:10	7/15/2023 19:10
Cleared	High Level	7/15/2023 22:30	SSO-7	181 65th Avenue	System	7/15/2023 22:49	System	7/15/2023 22:49	7/15/2023 22:45
Cleared	High Level	7/16/2023 7:35	SSO-1	Cracker Barrel / Highway 11/80	System	7/17/2023 0:56	System	7/17/2023 0:56	7/17/2023 0:55
Cleared	High Level	7/17/2023 10:35	SSO-2	Stribling Equipment / Highway 11/80	System	7/17/2023 19:26	System	7/17/2023 19:26	7/17/2023 19:25
Cleared	High Level	7/17/2023 11:30	SSO-4	North Frontage Rd / 18th Ave	System	7/17/2023 21:20	System	7/17/2023 21:20	7/17/2023 21:15

Table 4
Sanitary Sewer Remote Monitoring Alarm Log (High-Level Condition)
Semi-Annual Report No. 9 - July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	High Level	7/28/2023 18:15	SSO-10	East WWTP Hwy 45 N	System	7/28/2023 19:40	System	7/28/2023 19:40	7/28/2023 18:25
Cleared	High Level	7/28/2023 18:30	SSO-10	East WWTP Hwy 45 N	System	7/28/2023 19:40	System	7/28/2023 19:40	7/28/2023 19:25
Cleared	High Level	7/28/2023 19:30	SSO-10	East WWTP Hwy 45 N	System	7/28/2023 23:20	System	7/28/2023 23:20	7/28/2023 20:20
Cleared	High Level	7/28/2023 19:45	SSO-2	Stribling Equipment / Highway 11/80	System	7/29/2023 0:11	System	7/29/2023 0:11	7/29/2023 0:10
Cleared	High Level	7/28/2023 20:25	SSO-10	East WWTP Hwy 45 N	System	7/28/2023 23:20	System	7/28/2023 23:20	7/28/2023 20:30
Cleared	High Level	7/30/2023 16:45	SSO-6	10th Ave/ B St	System	7/30/2023 17:55	System	7/30/2023 17:55	7/30/2023 17:50
Cleared	High Level	7/30/2023 16:55	SSO-10	East WWTP Hwy 45 N	System	7/30/2023 20:30	System	7/30/2023 20:30	7/30/2023 19:30
Cleared	High Level	7/30/2023 17:05	SSO-1	Cracker Barrel / Highway 11/80	System	7/31/2023 2:46	System	7/31/2023 2:46	7/31/2023 2:45
Cleared	High Level	7/30/2023 17:10	SSO-2	Stribling Equipment / Highway 11/80	System	7/31/2023 5:41	System	7/31/2023 5:41	7/31/2023 5:40
Cleared	High Level	7/30/2023 17:20	SSO-4	North Frontage Rd / 18th Ave	System	7/31/2023 3:50	System	7/31/2023 3:50	7/31/2023 3:45
Cleared	High Level	7/30/2023 19:35	SSO-10	East WWTP Hwy 45 N	System	7/30/2023 23:01	System	7/30/2023 23:01	7/30/2023 22:55
Cleared	High Level	7/30/2023 23:20	SSO-10	East WWTP Hwy 45 N	System	7/31/2023 0:06	System	7/31/2023 0:06	7/30/2023 23:25
Cleared	High Level	8/17/2023 8:30	SSO-11	3136 Parkway Blvd	System	8/17/2023 12:55	System	8/17/2023 12:55	8/17/2023 12:55
Cleared	High Level	8/17/2023 13:00	SSO-11	3136 Parkway Blvd	System	8/17/2023 18:45	System	8/17/2023 18:45	8/17/2023 18:45
Cleared	High Level	8/17/2023 21:35	SSO-11	3136 Parkway Blvd	System	8/24/2023 13:56	System	8/24/2023 13:56	8/24/2023 13:55
Cleared	High Level	8/24/2023 14:00	SSO-11	3136 Parkway Blvd	System	8/24/2023 14:05	System	8/24/2023 14:05	8/24/2023 14:05
Cleared	High Level	8/29/2023 1:25	SSO-3	North Frontage Rd / 22nd Ave	System	8/29/2023 3:15	System	8/29/2023 3:15	8/29/2023 3:15
Cleared	High Level	9/1/2023 18:30	SSO-10	East WWTP Hwy 45 N	System	9/1/2023 19:45	System	9/1/2023 19:45	9/1/2023 19:45
Cleared	High Level	9/1/2023 19:25	SSO-3	North Frontage Rd / 22nd Ave	System	9/2/2023 2:10	System	9/2/2023 2:10	9/2/2023 2:10
Cleared	High Level	9/2/2023 14:00	SSO-3	North Frontage Rd / 22nd Ave	System	9/2/2023 20:16	System	9/2/2023 20:16	9/2/2023 20:15
Cleared	High Level	9/6/2023 11:25	SSO-11	3136 Parkway Blvd	System	9/14/2023 12:21	System	9/14/2023 12:21	9/14/2023 12:20
Cleared	High Level	10/11/2023 21:25	SSO-3	North Frontage Rd / 22nd Ave	System	10/12/2023 0:50	System	10/12/2023 0:50	10/12/2023 0:50
Cleared	High Level	11/20/2023 22:00	SSO-3	North Frontage Rd / 22nd Ave	System	11/21/2023 8:20	System	11/21/2023 8:20	11/21/2023 8:20
Cleared	High Level	11/20/2023 22:15	SSO-10	East WWTP Hwy 45 N	System	11/21/2023 1:25	System	11/21/2023 1:25	11/21/2023 1:25
Cleared	High Level	11/20/2023 23:05	SSO-2	Stribling Equipment / Highway 11/80	System	11/21/2023 1:45	System	11/21/2023 1:45	11/21/2023 1:45
Cleared	High Level	11/20/2023 23:05	SSO-4	North Frontage Rd / 18th Ave	System	11/21/2023 2:29	System	11/21/2023 2:29	11/21/2023 2:25
Cleared	High Level	11/21/2023 2:35	SSO-2	Stribling Equipment / Highway 11/80	System	11/21/2023 2:45	System	11/21/2023 2:45	11/21/2023 2:45

Table 5
Sanitary Sewer Remote Monitoring Alarm Log (Full Pipe Condition)
Semi-Annual Report No. 9 July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	Full Pipe	7/3/2023 9:35	SSO-2	Stribling Equipment / Highway 11/80	System	7/3/2023 10:05	System	7/3/2023 10:05	7/3/2023 10:05
Cleared	Full Pipe	7/4/2023 14:00	SSO-6	10th Ave/ B St	System	7/4/2023 18:49	System	7/4/2023 18:49	7/4/2023 18:45
Cleared	Full Pipe	7/4/2023 14:25	SSO-10	East WWTP Hwy 45 N	System	7/5/2023 1:20	System	7/5/2023 1:20	7/5/2023 1:20
Cleared	Full Pipe	7/4/2023 14:35	SSO-2	Stribling Equipment / Highway 11/80	System	7/5/2023 6:02	System	7/5/2023 6:02	7/5/2023 6:00
Cleared	Full Pipe	7/4/2023 16:45	SSO-4	North Frontage Rd / 18th Ave	System	7/5/2023 1:40	System	7/5/2023 1:40	7/5/2023 1:35
Cleared	Full Pipe	7/4/2023 20:45	SSO-6	10th Ave/ B St	System	7/5/2023 0:54	System	7/5/2023 0:54	7/5/2023 0:50
Cleared	Full Pipe	7/5/2023 10:25	SSO-2	Stribling Equipment / Highway 11/80	System	7/5/2023 14:45	System	7/5/2023 14:45	7/5/2023 14:45
Cleared	Full Pipe	7/5/2023 22:45	SSO-6	10th Ave/ B St	System	7/6/2023 3:09	System	7/6/2023 3:09	7/6/2023 3:05
Cleared	Full Pipe	7/5/2023 23:00	SSO-10	East WWTP Hwy 45 N	System	7/6/2023 11:25	System	7/6/2023 11:25	7/6/2023 11:25
Cleared	Full Pipe	7/5/2023 23:05	SSO-2	Stribling Equipment / Highway 11/80	System	7/7/2023 0:06	System	7/7/2023 0:06	7/7/2023 0:05
Cleared	Full Pipe	7/6/2023 9:35	SSO-4	North Frontage Rd / 18th Ave	System	7/6/2023 10:14	System	7/6/2023 10:14	7/6/2023 10:10
Cleared	Full Pipe	7/6/2023 10:15	SSO-4	North Frontage Rd / 18th Ave	System	7/6/2023 10:54	System	7/6/2023 10:54	7/6/2023 10:30
Cleared	Full Pipe	7/6/2023 10:35	SSO-4	North Frontage Rd / 18th Ave	System	7/6/2023 20:55	System	7/6/2023 20:55	7/6/2023 20:50
Cleared	Full Pipe	7/6/2023 12:15	SSO-1	Cracker Barrel / Highway 11/80	System	7/6/2023 14:04	System	7/6/2023 14:04	7/6/2023 12:30
Cleared	Full Pipe	7/7/2023 21:20	SSO-2	Stribling Equipment / Highway 11/80	System	7/7/2023 23:11	System	7/7/2023 23:11	7/7/2023 23:10
Cleared	Full Pipe	7/8/2023 11:20	SSO-2	Stribling Equipment / Highway 11/80	System	7/11/2023 8:55	System	7/11/2023 8:55	7/11/2023 8:55
Cleared	Full Pipe	7/8/2023 13:50	SSO-4	North Frontage Rd / 18th Ave	System	7/10/2023 21:43	System	7/10/2023 21:43	7/10/2023 21:30
Cleared	Full Pipe	7/8/2023 13:50	SSO-5	Sowashee St	System	7/8/2023 16:41	System	7/8/2023 16:41	7/8/2023 16:30
Cleared	Full Pipe	7/8/2023 14:35	SSO-10	East WWTP Hwy 45 N	System	7/8/2023 18:20	System	7/8/2023 18:20	7/8/2023 18:20
Cleared	Full Pipe	7/8/2023 18:35	SSO-10	East WWTP Hwy 45 N	System	7/9/2023 2:20	System	7/9/2023 2:20	7/9/2023 2:20
Cleared	Full Pipe	7/8/2023 18:50	SSO-6	10th Ave/ B St	System	7/9/2023 3:09	System	7/9/2023 3:09	7/9/2023 3:05
Cleared	Full Pipe	7/8/2023 19:05	SSO-5	Sowashee St	System	7/9/2023 0:15	System	7/9/2023 0:15	7/9/2023 0:10
Cleared	Full Pipe	7/8/2023 21:10	SSO-1	Cracker Barrel / Highway 11/80	System	7/9/2023 1:21	System	7/9/2023 1:21	7/9/2023 1:20
Cleared	Full Pipe	7/9/2023 15:00	SSO-10	East WWTP Hwy 45 N	System	7/11/2023 14:40	System	7/11/2023 14:40	7/11/2023 14:40
Cleared	Full Pipe	7/9/2023 15:05	SSO-6	10th Ave/ B St	System	7/10/2023 21:44	System	7/10/2023 21:44	7/10/2023 21:40
Cleared	Full Pipe	7/9/2023 17:10	SSO-1	Cracker Barrel / Highway 11/80	System	7/10/2023 22:41	System	7/10/2023 22:41	7/10/2023 22:40
Cleared	Full Pipe	7/9/2023 17:35	SSO-5	Sowashee St	System	7/10/2023 0:55	System	7/10/2023 0:55	7/10/2023 0:50
Cleared	Full Pipe	7/9/2023 17:35	SSO-9	40th Ave / 26th St	System	7/9/2023 18:16	System	7/9/2023 18:16	7/9/2023 18:15

Table 5
Sanitary Sewer Remote Monitoring Alarm Log (Full Pipe Condition)
Semi-Annual Report No. 9 July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	Full Pipe	7/9/2023 18:20	SSO-7	181 65th Avenue	System	7/9/2023 18:39	System	7/9/2023 18:39	7/9/2023 18:35
Cleared	Full Pipe	7/9/2023 19:10	SSO-7	181 65th Avenue	System	7/9/2023 19:24	System	7/9/2023 19:24	7/9/2023 19:20
Cleared	Full Pipe	7/10/2023 1:45	SSO-9	40th Ave / 26th St	System	7/10/2023 2:39	System	7/10/2023 2:39	7/10/2023 2:35
Cleared	Full Pipe	7/10/2023 21:35	SSO-4	North Frontage Rd / 18th Ave	System	7/11/2023 4:00	System	7/11/2023 4:00	7/11/2023 3:55
Cleared	Full Pipe	7/11/2023 10:00	SSO-2	Stribling Equipment / Highway 11/80	System	7/11/2023 15:06	System	7/11/2023 15:06	7/11/2023 15:05
Cleared	Full Pipe	7/11/2023 11:45	SSO-4	North Frontage Rd / 18th Ave	System	7/12/2023 2:20	System	7/12/2023 2:20	7/12/2023 2:15
Cleared	Full Pipe	7/11/2023 12:45	SSO-6	10th Ave/ B St	System	7/11/2023 20:34	System	7/11/2023 20:34	7/11/2023 20:30
Cleared	Full Pipe	7/11/2023 15:25	SSO-2	Stribling Equipment / Highway 11/80	System	7/12/2023 5:21	System	7/12/2023 5:21	7/12/2023 5:20
Cleared	Full Pipe	7/12/2023 7:25	SSO-2	Stribling Equipment / Highway 11/80	System	7/13/2023 2:56	System	7/13/2023 2:56	7/13/2023 2:55
Cleared	Full Pipe	7/12/2023 11:30	SSO-4	North Frontage Rd / 18th Ave	System	7/13/2023 3:00	System	7/13/2023 3:00	7/13/2023 2:55
Cleared	Full Pipe	7/12/2023 16:10	SSO-5	Sowashee St	System	7/12/2023 23:27	System	7/12/2023 23:27	7/12/2023 23:25
Cleared	Full Pipe	7/12/2023 16:30	SSO-6	10th Ave/ B St	System	7/12/2023 23:39	System	7/12/2023 23:39	7/12/2023 23:35
Cleared	Full Pipe	7/13/2023 8:10	SSO-2	Stribling Equipment / Highway 11/80	System	7/18/2023 3:21	System	7/18/2023 3:21	7/18/2023 3:20
Cleared	Full Pipe	7/13/2023 10:35	SSO-6	10th Ave/ B St	System	7/17/2023 3:19	System	7/17/2023 3:19	7/17/2023 3:15
Cleared	Full Pipe	7/13/2023 11:10	SSO-10	East WWTP Hwy 45 N	System	7/13/2023 11:15	System	7/13/2023 11:15	7/13/2023 11:15
Cleared	Full Pipe	7/13/2023 11:10	SSO-4	North Frontage Rd / 18th Ave	System	7/18/2023 3:00	System	7/18/2023 3:00	7/18/2023 2:55
Cleared	Full Pipe	7/13/2023 11:20	SSO-10	East WWTP Hwy 45 N	System	7/16/2023 16:45	System	7/16/2023 16:45	7/16/2023 16:45
Cleared	Full Pipe	7/13/2023 11:50	SSO-9	40th Ave / 26th St	System	7/13/2023 15:54	System	7/13/2023 15:54	7/13/2023 15:50
Cleared	Full Pipe	7/13/2023 12:05	SSO-5	Sowashee St	System	7/16/2023 2:22	System	7/16/2023 2:22	7/16/2023 2:20
Cleared	Full Pipe	7/13/2023 12:25	SSO-8	36th Ave / Parkway Blvd	System	7/13/2023 13:24	System	7/13/2023 13:24	7/13/2023 13:20
Cleared	Full Pipe	7/13/2023 12:30	SSO-1	Cracker Barrel / Highway 11/80	System	7/17/2023 2:26	System	7/17/2023 2:26	7/17/2023 2:25
Cleared	Full Pipe	7/13/2023 12:35	SSO-11	3136 Parkway Blvd	System	7/13/2023 14:00	System	7/13/2023 14:00	7/13/2023 14:00
Cleared	Full Pipe	7/13/2023 12:35	SSO-7	181 65th Avenue	System	7/13/2023 21:28	System	7/13/2023 21:28	7/13/2023 21:20
Cleared	Full Pipe	7/13/2023 22:05	SSO-7	181 65th Avenue	System	7/13/2023 22:28	System	7/13/2023 22:28	7/13/2023 22:20
Cleared	Full Pipe	7/13/2023 23:25	SSO-7	181 65th Avenue	System	7/13/2023 23:34	System	7/13/2023 23:34	7/13/2023 23:30
Cleared	Full Pipe	7/14/2023 1:00	SSO-7	181 65th Avenue	System	7/14/2023 1:14	System	7/14/2023 1:14	7/14/2023 1:10
Cleared	Full Pipe	7/14/2023 17:25	SSO-9	40th Ave / 26th St	System	7/14/2023 18:17	System	7/14/2023 18:17	7/14/2023 18:15
Cleared	Full Pipe	7/14/2023 17:40	SSO-7	181 65th Avenue	System	7/15/2023 1:09	System	7/15/2023 1:09	7/15/2023 1:05
Cleared	Full Pipe	7/15/2023 1:20	SSO-7	181 65th Avenue	System	7/15/2023 1:59	System	7/15/2023 1:59	7/15/2023 1:55

Table 5
Sanitary Sewer Remote Monitoring Alarm Log (Full Pipe Condition)
Semi-Annual Report No. 9 July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	Full Pipe	7/15/2023 2:30	SSO-7	181 65th Avenue	System	7/15/2023 2:39	System	7/15/2023 2:39	7/15/2023 2:35
Cleared	Full Pipe	7/15/2023 3:25	SSO-7	181 65th Avenue	System	7/15/2023 3:49	System	7/15/2023 3:49	7/15/2023 3:45
Cleared	Full Pipe	7/15/2023 16:35	SSO-7	181 65th Avenue	System	7/15/2023 16:58	System	7/15/2023 16:58	7/15/2023 16:50
Cleared	Full Pipe	7/15/2023 17:00	SSO-7	181 65th Avenue	System	7/15/2023 21:58	System	7/15/2023 21:58	7/15/2023 21:50
Cleared	Full Pipe	7/15/2023 22:30	SSO-7	181 65th Avenue	System	7/15/2023 22:54	System	7/15/2023 22:54	7/15/2023 22:50
Cleared	Full Pipe	7/15/2023 23:20	SSO-7	181 65th Avenue	System	7/15/2023 23:49	System	7/15/2023 23:49	7/15/2023 23:40
Cleared	Full Pipe	7/15/2023 23:55	SSO-7	181 65th Avenue	System	7/16/2023 0:39	System	7/16/2023 0:39	7/16/2023 0:05
Cleared	Full Pipe	7/16/2023 0:35	SSO-7	181 65th Avenue	System	7/16/2023 0:54	System	7/16/2023 0:54	7/16/2023 0:50
Cleared	Full Pipe	7/16/2023 16:55	SSO-10	East WWTP Hwy 45 N	System	7/16/2023 17:05	System	7/16/2023 17:05	7/16/2023 17:05
Cleared	Full Pipe	7/18/2023 8:20	SSO-2	Stribling Equipment / Highway 11/80	System	7/19/2023 1:26	System	7/19/2023 1:26	7/19/2023 1:25
Cleared	Full Pipe	7/18/2023 10:55	SSO-4	North Frontage Rd / 18th Ave	System	7/18/2023 23:55	System	7/18/2023 23:55	7/18/2023 23:50
Cleared	Full Pipe	7/19/2023 10:15	SSO-2	Stribling Equipment / Highway 11/80	System	7/20/2023 1:11	System	7/20/2023 1:11	7/20/2023 1:10
Cleared	Full Pipe	7/28/2023 16:50	SSO-6	10th Ave/ B St	System	7/28/2023 21:54	System	7/28/2023 21:54	7/28/2023 21:50
Cleared	Full Pipe	7/28/2023 17:20	SSO-2	Stribling Equipment / Highway 11/80	System	7/29/2023 1:36	System	7/29/2023 1:36	7/29/2023 1:35
Cleared	Full Pipe	7/28/2023 17:30	SSO-10	East WWTP Hwy 45 N	System	7/28/2023 23:20	System	7/28/2023 23:20	7/28/2023 21:50
Cleared	Full Pipe	7/28/2023 19:00	SSO-4	North Frontage Rd / 18th Ave	System	7/29/2023 2:30	System	7/29/2023 2:30	7/29/2023 2:25
Cleared	Full Pipe	7/30/2023 15:40	SSO-6	10th Ave/ B St	System	7/31/2023 3:49	System	7/31/2023 3:49	7/31/2023 3:45
Cleared	Full Pipe	7/30/2023 16:35	SSO-10	East WWTP Hwy 45 N	System	7/31/2023 2:00	System	7/31/2023 2:00	7/31/2023 1:20
Cleared	Full Pipe	7/30/2023 16:45	SSO-1	Cracker Barrel / Highway 11/80	System	7/31/2023 4:06	System	7/31/2023 4:06	7/31/2023 4:05
Cleared	Full Pipe	7/30/2023 16:45	SSO-2	Stribling Equipment / Highway 11/80	System	7/31/2023 16:21	System	7/31/2023 16:21	7/31/2023 16:20
Cleared	Full Pipe	7/30/2023 16:50	SSO-11	3136 Parkway Blvd	System	7/30/2023 17:15	System	7/30/2023 17:15	7/30/2023 17:15
Cleared	Full Pipe	7/30/2023 16:50	SSO-5	Sowashee St	System	7/30/2023 19:44	System	7/30/2023 19:44	7/30/2023 19:40
Cleared	Full Pipe	7/30/2023 16:55	SSO-4	North Frontage Rd / 18th Ave	System	7/31/2023 16:20	System	7/31/2023 16:20	7/31/2023 16:15
Cleared	Full Pipe	8/4/2023 17:30	SSO-2	Stribling Equipment / Highway 11/80	System	8/4/2023 20:51	System	8/4/2023 20:51	8/4/2023 20:50
Cleared	Full Pipe	8/9/2023 9:30	SSO-6	Sowashee St	System	8/9/2023 18:39	System	8/9/2023 18:39	8/9/2023 18:35
Cleared	Full Pipe	8/16/2023 15:30	SSO-2	Stribling Equipment / Highway 11/80	System	8/16/2023 15:55	System	8/16/2023 15:55	8/16/2023 15:55
Cleared	Full Pipe	8/17/2023 8:30	SSO-11	3136 Parkway Blvd	System	8/17/2023 12:55	System	8/17/2023 12:55	8/17/2023 12:55
Cleared	Full Pipe	8/17/2023 10:25	SSO-2	Stribling Equipment / Highway 11/80	System	8/17/2023 10:40	System	8/17/2023 10:40	8/17/2023 10:40

Table 5
Sanitary Sewer Remote Monitoring Alarm Log (Full Pipe Condition)
Semi-Annual Report No. 9 July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	Full Pipe	8/17/2023 13:00	SSO-11	3136 Parkway Blvd	System	8/17/2023 18:45	System	8/17/2023 18:45	8/17/2023 18:45
Cleared	Full Pipe	8/17/2023 21:35	SSO-11	3136 Parkway Blvd	System	8/24/2023 13:56	System	8/24/2023 13:56	8/24/2023 13:55
Cleared	Full Pipe	8/23/2023 19:05	SSO-3	North Frontage Rd / 22nd Ave	System	8/23/2023 19:10	System	8/23/2023 19:10	8/23/2023 19:10
Cleared	Full Pipe	8/24/2023 10:20	SSO-3	North Frontage Rd / 22nd Ave	System	8/24/2023 13:11	System	8/24/2023 13:11	8/24/2023 10:25
Cleared	Full Pipe	8/24/2023 12:20	SSO-3	North Frontage Rd / 22nd Ave	System	8/24/2023 13:11	System	8/24/2023 13:11	8/24/2023 12:25
Cleared	Full Pipe	8/28/2023 20:20	SSO-6	Sowashee St	System	8/29/2023 1:10	System	8/29/2023 1:10	8/29/2023 0:05
Cleared	Full Pipe	8/28/2023 21:00	SSO-2	Stribling Equipment / Highway 11/80	System	8/28/2023 21:41	System	8/28/2023 21:41	8/28/2023 21:40
Cleared	Full Pipe	8/28/2023 21:45	SSO-10	East WWTP Hwy 45 N	System	8/29/2023 0:06	System	8/29/2023 0:06	8/29/2023 0:00
Cleared	Full Pipe	8/28/2023 22:00	SSO-3	North Frontage Rd / 22nd Ave	System	8/29/2023 5:25	System	8/29/2023 5:25	8/29/2023 5:25
Cleared	Full Pipe	8/28/2023 22:15	SSO-2	Stribling Equipment / Highway 11/80	System	8/29/2023 2:26	System	8/29/2023 2:26	8/29/2023 2:25
Cleared	Full Pipe	9/1/2023 15:50	SSO-3	North Frontage Rd / 22nd Ave	System	9/2/2023 4:35	System	9/2/2023 4:35	9/2/2023 4:35
Cleared	Full Pipe	9/1/2023 16:35	SSO-6	Sowashee St	System	9/1/2023 20:40	System	9/1/2023 20:40	9/1/2023 20:40
Cleared	Full Pipe	9/1/2023 17:05	SSO-10	East WWTP Hwy 45 N	System	9/1/2023 21:45	System	9/1/2023 21:45	9/1/2023 21:40
Cleared	Full Pipe	9/1/2023 17:30	SSO-2	Stribling Equipment / Highway 11/80	System	9/2/2023 0:46	System	9/2/2023 0:46	9/2/2023 0:45
Cleared	Full Pipe	9/1/2023 19:55	SSO-4	North Frontage Rd / 18th Ave	System	9/2/2023 1:40	System	9/2/2023 1:40	9/2/2023 1:35
Cleared	Full Pipe	9/2/2023 11:25	SSO-10	East WWTP Hwy 45 N	System	9/2/2023 14:26	System	9/2/2023 14:26	9/2/2023 14:25
Cleared	Full Pipe	9/2/2023 12:00	SSO-2	Stribling Equipment / Highway 11/80	System	9/2/2023 18:26	System	9/2/2023 18:26	9/2/2023 18:25
Cleared	Full Pipe	9/2/2023 13:05	SSO-3	North Frontage Rd / 22nd Ave	System	9/3/2023 0:45	System	9/3/2023 0:45	9/3/2023 0:45
Cleared	Full Pipe	9/2/2023 14:30	SSO-4	North Frontage Rd / 18th Ave	System	9/2/2023 19:35	System	9/2/2023 19:35	9/2/2023 19:30
Cleared	Full Pipe	9/6/2023 11:25	SSO-11	3136 Parkway Blvd	System	9/14/2023 12:21	System	9/14/2023 12:21	9/14/2023 12:20
Cleared	Full Pipe	9/7/2023 1:45	SSO-2	Stribling Equipment / Highway 11/80	System	9/7/2023 6:11	System	9/7/2023 6:11	9/7/2023 6:10
Cleared	Full Pipe	9/7/2023 3:35	SSO-3	North Frontage Rd / 22nd Ave	System	9/7/2023 15:45	System	9/7/2023 15:45	9/7/2023 15:45
Cleared	Full Pipe	9/14/2023 12:25	SSO-2	Stribling Equipment / Highway 11/80	System	9/14/2023 15:30	System	9/14/2023 15:30	9/14/2023 15:30
Cleared	Full Pipe	9/14/2023 12:30	SSO-10	East WWTP Hwy 45 N	System	9/14/2023 13:05	System	9/14/2023 13:05	9/14/2023 13:05
Cleared	Full Pipe	9/14/2023 13:20	SSO-3	North Frontage Rd / 22nd Ave	System	9/14/2023 20:20	System	9/14/2023 20:20	9/14/2023 20:20
Cleared	Full Pipe	9/15/2023 11:15	SSO-6	Sowashee St	System	9/15/2023 11:49	System	9/15/2023 11:49	9/15/2023 11:45
Cleared	Full Pipe	9/25/2023 1:10	SSO-6	Sowashee St	System	9/25/2023 3:59	System	9/25/2023 3:59	9/25/2023 3:55
Cleared	Full Pipe	9/29/2023 11:35	SSO-6	Sowashee St	System	9/29/2023 20:50	System	9/29/2023 20:50	9/29/2023 20:50

Table 5
Sanitary Sewer Remote Monitoring Alarm Log (Full Pipe Condition)
Semi-Annual Report No. 9 July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	Full Pipe	9/30/2023 11:00	SSO-6	Sowashee St	System	9/30/2023 11:49	System	9/30/2023 11:49	9/30/2023 11:45
Cleared	Full Pipe	10/11/2023 16:40	SSO-6	Sowashee St	System	10/11/2023 21:46	System	10/11/2023 21:46	10/11/2023 21:45
Cleared	Full Pipe	10/11/2023 18:35	SSO-3	North Frontage Rd / 22nd Ave	System	10/12/2023 3:50	System	10/12/2023 3:50	10/12/2023 3:50
Cleared	Full Pipe	10/11/2023 19:20	SSO-2	Stribling Equipment / Highway 11/80	System	10/11/2023 23:46	System	10/11/2023 23:46	10/11/2023 23:45
Cleared	Full Pipe	10/11/2023 22:05	SSO-4	181 65th Avenue	System	10/12/2023 0:30	System	10/12/2023 0:30	10/12/2023 0:25
Cleared	Full Pipe	10/23/2023 12:35	SSO-3	North Frontage Rd / 22nd Ave	System	10/23/2023 18:10	System	10/23/2023 18:10	10/23/2023 15:50
Cleared	Full Pipe	10/26/2023 10:05	SSO-2	Stribling Equipment / Highway 11/80	System	10/26/2023 10:31	System	10/26/2023 10:31	10/26/2023 10:30
Cleared	Full Pipe	10/27/2023 14:45	SSO-3	North Frontage Rd / 22nd Ave	System	10/27/2023 17:35	System	10/27/2023 17:35	10/27/2023 17:35
Cleared	Full Pipe	11/3/2023 10:15	SSO-2	Stribling Equipment / Highway 11/80	System	11/3/2023 10:31	System	11/3/2023 10:31	11/3/2023 10:30
Cleared	Full Pipe	11/6/2023 16:25	SSO-2	Stribling Equipment / Highway 11/80	System	11/6/2023 17:01	System	11/6/2023 17:01	11/6/2023 17:00
Cleared	Full Pipe	11/7/2023 11:50	SSO-2	Stribling Equipment / Highway 11/80	System	11/7/2023 12:25	System	11/7/2023 12:25	11/7/2023 12:25
Cleared	Full Pipe	11/7/2023 15:35	SSO-3	North Frontage Rd / 22nd Ave	System	11/7/2023 17:05	System	11/7/2023 17:05	11/7/2023 17:05
Cleared	Full Pipe	11/9/2023 14:50	SSO-3	North Frontage Rd / 22nd Ave	System	11/9/2023 16:05	System	11/9/2023 16:05	11/9/2023 16:05
Cleared	Full Pipe	11/14/2023 12:25	SSO-2	Stribling Equipment / Highway 11/80	System	11/14/2023 13:02	System	11/14/2023 13:02	11/14/2023 13:00
Cleared	Full Pipe	11/15/2023 10:10	SSO-2	Stribling Equipment / Highway 11/80	System	11/15/2023 10:40	System	11/15/2023 10:40	11/15/2023 10:40
Cleared	Full Pipe	11/16/2023 9:05	SSO-2	Stribling Equipment / Highway 11/80	System	11/16/2023 9:30	System	11/16/2023 9:30	11/16/2023 9:30
Cleared	Full Pipe	11/16/2023 13:15	SSO-2	Stribling Equipment / Highway 11/80	System	11/16/2023 13:35	System	11/16/2023 13:35	11/16/2023 13:35
Cleared	Full Pipe	11/16/2023 16:50	SSO-2	Stribling Equipment / Highway 11/80	System	11/16/2023 17:10	System	11/16/2023 17:10	11/16/2023 17:10
Cleared	Full Pipe	11/16/2023 20:00	SSO-2	Stribling Equipment / Highway 11/80	System	11/16/2023 20:20	System	11/16/2023 20:20	11/16/2023 20:20
Cleared	Full Pipe	11/16/2023 22:45	SSO-2	Stribling Equipment / Highway 11/80	System	11/16/2023 23:00	System	11/16/2023 23:00	11/16/2023 23:00
Cleared	Full Pipe	11/17/2023 9:50	SSO-2	Stribling Equipment / Highway 11/80	System	11/17/2023 10:20	System	11/17/2023 10:20	11/17/2023 10:20
Cleared	Full Pipe	11/20/2023 18:05	SSO-6	Sowashee St	System	11/21/2023 3:29	System	11/21/2023 3:29	11/21/2023 3:25
Cleared	Full Pipe	11/20/2023 20:45	SSO-3	North Frontage Rd / 22nd Ave	System	11/21/2023 19:20	System	11/21/2023 19:20	11/21/2023 19:20
Cleared	Full Pipe	11/20/2023 21:00	SSO-2	Stribling Equipment / Highway 11/80	System	11/21/2023 7:16	System	11/21/2023 7:16	11/21/2023 7:15
Cleared	Full Pipe	11/20/2023 21:25	SSO-10	East WWTP Hwy 45 N	System	11/21/2023 2:50	System	11/21/2023 2:50	11/21/2023 2:50
Cleared	Full Pipe	11/20/2023 22:15	SSO-5	Sowashee St	System	11/20/2023 23:50	System	11/20/2023 23:50	11/20/2023 23:45

Table 5
Sanitary Sewer Remote Monitoring Alarm Log (Full Pipe Condition)
Semi-Annual Report No. 9 July 2023 through December 2023

Status	Type	Date	Location	Location 2	Acknowledged By	Acknowledged DateTime	Cleared By	Cleared DateTime	RTN DateTime
Cleared	Full Pipe	11/20/2023 22:20	SSO-4	181 65th Avenue	System	11/21/2023 7:20	System	11/21/2023 7:20	11/21/2023 7:15
Cleared	Full Pipe	11/22/2023 10:45	SSO-2	Stribling Equipment / Highway 11/80	System	11/22/2023 11:10	System	11/22/2023 11:10	11/22/2023 11:10
Cleared	Full Pipe	11/22/2023 12:50	SSO-2	Stribling Equipment / Highway 11/80	System	11/22/2023 13:10	System	11/22/2023 13:10	11/22/2023 13:10
Cleared	Full Pipe	11/22/2023 14:10	SSO-3	North Frontage Rd / 22nd Ave	System	11/22/2023 15:45	System	11/22/2023 15:45	11/22/2023 15:45
Cleared	Full Pipe	11/22/2023 15:40	SSO-2	Stribling Equipment / Highway 11/80	System	11/22/2023 16:05	System	11/22/2023 16:05	11/22/2023 16:05
Cleared	Full Pipe	11/22/2023 18:20	SSO-2	Stribling Equipment / Highway 11/80	System	11/22/2023 18:40	System	11/22/2023 18:40	11/22/2023 18:40
Cleared	Full Pipe	11/22/2023 20:55	SSO-2	Stribling Equipment / Highway 11/80	System	11/22/2023 21:15	System	11/22/2023 21:15	11/22/2023 21:15
Cleared	Full Pipe	11/22/2023 23:15	SSO-2	Stribling Equipment / Highway 11/80	System	11/22/2023 23:30	System	11/22/2023 23:30	11/22/2023 23:30
Cleared	Full Pipe	11/23/2023 11:00	SSO-2	Stribling Equipment / Highway 11/80	System	11/23/2023 11:20	System	11/23/2023 11:20	11/23/2023 11:20
Cleared	Full Pipe	11/23/2023 13:10	SSO-2	Stribling Equipment / Highway 11/80	System	11/23/2023 13:35	System	11/23/2023 13:35	11/23/2023 13:35
Cleared	Full Pipe	11/23/2023 16:55	SSO-2	Stribling Equipment / Highway 11/80	System	11/23/2023 17:10	System	11/23/2023 17:10	11/23/2023 17:10
Cleared	Full Pipe	11/24/2023 12:30	SSO-2	Stribling Equipment / Highway 11/80	System	11/24/2023 12:55	System	11/24/2023 12:55	11/24/2023 12:55
Cleared	Full Pipe	11/24/2023 15:55	SSO-2	Stribling Equipment / Highway 11/80	System	11/24/2023 16:20	System	11/24/2023 16:20	11/24/2023 16:20
Cleared	Full Pipe	11/24/2023 21:30	SSO-2	Stribling Equipment / Highway 11/80	System	11/24/2023 21:50	System	11/24/2023 21:50	11/24/2023 21:50
Cleared	Full Pipe	11/25/2023 12:55	SSO-2	Stribling Equipment / Highway 11/80	System	11/25/2023 13:20	System	11/25/2023 13:20	11/25/2023 13:20
Cleared	Full Pipe	11/25/2023 16:45	SSO-2	Stribling Equipment / Highway 11/80	System	11/25/2023 17:10	System	11/25/2023 17:10	11/25/2023 17:10
Cleared	Full Pipe	11/25/2023 21:55	SSO-2	Stribling Equipment / Highway 11/80	System	11/25/2023 22:15	System	11/25/2023 22:15	11/25/2023 22:15
Cleared	Full Pipe	11/26/2023 12:05	SSO-2	Stribling Equipment / Highway 11/80	System	11/26/2023 12:35	System	11/26/2023 12:35	11/26/2023 12:35
Cleared	Full Pipe	11/26/2023 14:45	SSO-2	Stribling Equipment / Highway 11/80	System	11/26/2023 15:10	System	11/26/2023 15:10	11/26/2023 15:10
Cleared	Full Pipe	11/26/2023 18:20	SSO-2	Stribling Equipment / Highway 11/80	System	11/26/2023 18:45	System	11/26/2023 18:45	11/26/2023 18:45
Cleared	Full Pipe	11/26/2023 21:30	SSO-2	Stribling Equipment / Highway 11/80	System	11/26/2023 21:50	System	11/26/2023 21:50	11/26/2023 21:50
Cleared	Full Pipe	11/27/2023 11:15	SSO-2	Stribling Equipment / Highway 11/80	Ryan Schick	11/28/2023 8:28	Ryan Schick	11/28/2023 8:29	11/29/2023 11:45

2.3 Wastewater Treatment Plant Effluent Permit Exceedances

The City of Meridian owns and operates two (2) wastewater treatment plants (WWTP), the East Meridian WWTP located at Old Hwy 45 North (Dale Dr.) and the South Meridian facility located at 2304 Hwy 11 South. These facilities are collectively permitted to discharge into the Sowashee Creek under NPDES Permit MS0020117.

The Permit collected from Outfall 201 and the South Meridian facility parameters are reported from samples collected from Outfall 101. Outfall 002 is the combined wastewater effluent from Outfalls 101 and 201. Samples are collected from Outfall 002 prior to effluent being discharged to Sowashee Creek.

The City of Meridian also has a contract to sell treated effluent from the WWTPs to the Mississippi Power Kemper County Plant for use as cooling water. During the reporting period from July 2023 through December 2023, 578.3 million gallons or 43.3% of the total effluent was sent to the Kemper County facility.

There were two permit exceedances reported at the East Meridian facility during the reporting period. There were five permit exceedances reported at the South Meridian facility during the reporting period. Table 6 lists NPDES Permit number MS 0020117 Effluent exceedances at the Meridian WWTPs from July 2023 through December 2023.

There were no prohibited bypasses reported from either Meridian WWTP facility during this reporting period from July 2023 through December 2023.

Table 6
NPDES Permit Effluent Exceedances
City of Meridian, Mississippi
Semi Annual Report No. 9
July 2023 through December 2023

Count	Location	Outfall Number	Parameter		Monitoring Period	Permit Requirement	Reported Value	Deviation	Duration, days	WWTP Volume, million gallons	Cause
1	East Meridian POTW	201	Solids, Suspended Total	Percent Removal	Sept. 1, 2023 – Sept. 30, 2023	85%	78%	-8.2%	3[1]	1.29	Weak Influent TSS concentration due to excessive rainfall
2	East Meridian POTW	201	Solids, Suspended Total	Percent Removal	Oct. 1, 2023 – Oct. 31, 2023	85%	69%	-18.8%	2[2]	0.70	Weak Influent TSS concentration due to excessive rainfall

(1) Discharged to Outfall 002 3 of 30 days. No Suspended Solids exceedance at Outfall 002.
(2) Discharged to Outfall 002 2 of 31 days. No Suspended Solids exceedance at Outfall 002.

3.0 Summary of WWTP and WCTS Projects and Activities

The following sections briefly describe the projects and activities performed during this reporting period (July 1, 2023 - December 31, 2023) and planned activities for the subsequent reporting period (January 1, 2024 - June 30, 2024).

3.1 Early Action Capital Improvement Project

The Consent Decree required the implementation of a Sewer Treatment System Correction Action Plan (STSCAP) for the South Wastewater Treatment Plant (WWTP). The purpose of the STSCAP was to provide a plan for the construction of improvements. The STSCAP was submitted to EPA and MDEQ in August 2020 for review and approval. The STSCAP was approved by EPA and MDEQ on May 3, 2021.

Notwithstanding the STSCAP and as discussed in the Semi-Annual Report No. 6, a letter was sent by the City on June 15, 2022, to the United States Environmental Protection Agency (EPA) and the Mississippi Department of Environmental Quality (MDEQ) proposing modifications to the scope and schedule of the approved South Wastewater Treatment Plant (WWTP) Rehabilitation Plan (Rehab Plan). This letter's objective was to outlay the ongoing Total Maximum Daily Load (TMDL) study being conducted by the MDEQ to determine new nutrient limits for Total Nitrogen and Phosphorous.

MDEQ provided the City with a draft NPDES permit for review in December 2023. The City has reviewed and returned the draft to MDEQ and anticipates MDEQ will be submitting the draft to the EPA for consideration and approval in the first quarter of 2024.

The City will continue to evaluate the feasibility of a new wastewater treatment plant that can accommodate the City's anticipated future flows, growth in commercial and industrial users, and infiltration/inflow results from ongoing flow monitoring, and possible regional wastewater needs. Additionally, the City is looking at acquiring property adjacent to the SWWTP in case an expansion is necessary for plant improvements. The following actions in the past 6-month period have resulted in continued improvements in meeting the WWTP's NPDES permit limits.

During this reporting period:

- Accepted proposals and awarded the contract for the Equalization Cells No. 2, 3, and 4 Biosolids Removal.
- Accepted bids and awarded contract for the South Wastewater Treatment Plant Phase 1-A Improvements Project. This project will install new equipment in three first and three second stage clarifiers at the 9MGD plant, retrofit of the two fine screens from ¼" bar screens to 6 mm punch plate screens, retrofit of screenings compactor, installation of a new sludge belt filter press system and corresponding sludge belt conveyor, installation of a new coagulant feed system for 4MGD and 9MGD plants, installation of a new 4-inch water main, and installation of the third influent pump.
- Completed temporary repairs on fine screen no. 2.

- Installed interim suction headers in five 9MGD first and second stage clarifiers to improve treatment.
- Repaired existing sludge belt conveyor system. A new sludge conveyor system is to be installed as part of the Phase 1-A project.
- Repaired/rebuilt return activated sludge and waste activated sludge pumps as required.
- Removal of sludge and debris from the 9 MGD Primary Clarifiers #1, #2, #3, and #4 to provide improved treatment.
- Repaired and installed influent pump No. 2
- Rebuilt and installed Digester blower #3 and motor.
- Rebuilt and installed Aeration blower #3 motor.
- Installed two new belt-press influent sludge pumps.
- Completed Bioassay/Whole effluent toxicity (WET) testing for both the South WWTP and East Meridian WWTP.
- Completed the Copper chemical Translator study.

Items discussed in Semi-Annual Report No. 8 but not completed because of the proposed modifications above include the following:

- None

As discussed above, the City receives routine updates from the MDEQ on the development of nutrient TMDLs for Sowashee Creek. In the interim, the City is committed to continuous improvements at the WWTP to meet current NPDES permit requirements.

During the next reporting period:

- Begin solids removal from Equalization Cell No.'s 2, 3, and 4.
- Complete small, bundled, bid packages or issue purchase orders to address intermediate needs at the South WWTP and to remain in compliance with the NPDES permit.
- Begin construction for the SWWTP Improvements Phase 1-A Project. This project will install new equipment in three first and three second stage clarifiers at the 9MGD plant, retrofit of the two fine screens from ¼" bar screens to 6 mm punch plate screens, retrofit of screenings compactor, installation of a new sludge belt filter press system and corresponding sludge belt conveyor, installation of a new coagulant feed system for 4MGD and 9MGD plants, installation of a new 4-inch water main, and installation of the third influent pump.
- Remove sludge and debris from the 9 MGD Primary Clarifiers #5-8 provide improved treatment.
- Modify the 9MGD waste activated sludge system to prevent damage to pumps, sludge overflows, and to simplify operations.
- Continue evaluating, cleaning, and rehabilitating equipment at the South WWTP to improve plant performance.
- Begin construction of a remote monitoring system of key processes at the WWTPs.
- Repair the grit chamber solids conveyance system (screw auger).

The cleanout of the South WWTP's Equalization Basin No. 4, which is listed in the CD's Early Action Capital Improvement Project list, is part of the SWWTP Equalization Basins Cleanout project and currently in its final phase of design. The project objective of the SOUTH WWTP Equalization Basins Cleanout is to restore the storage capacity of Cells 2, 3, and 4 at the South WWTP through removal, processing, transport, and off-site recycling of accumulated solids contained within these three EQ cells. The estimated quantity of accumulated solids contained within Cells 2, 3, and 4 is 5,000 DRY TONS. The project's design is intended to maximize beneficial reuse disposal opportunities while adhering to all applicable regulatory requirements. The following summaries provide an overview of activities completed this reporting period and those anticipated for completion during the next reporting period.

Completed during this reporting period:

- Completed procurement phase
  - Received proposals from three residual management companies
  - Conducted formal evaluation of received proposals
  - Awarded contract to the firm receiving the highest evaluation ranking
    - City Council approved entering agreement with the selected firm
    - Executed contract with firm
    - Issued Notice to Proceed

- Initiated project's construction phase
  - Conducted Pre-Construction meeting
  - Contractor initiated construction activities
    - Began construction of the staging, processing, and loading area
    - Contractor continued work associated with procurement of land application sites

During the next reporting period:

- Continue with project construction activities
  - Complete staging, processing, and loading area
  - Initiate solids removal and disposal activities
- Per the current schedule, the substantial completion is set for September 2024

3.2 Highway 80 Trunk Line

The Consent Decree requires work to be performed on the Highway 80 Trunk Line. The Highway 80 Trunk Line Work Plan was approved by EPA and MDEQ on August 4, 2020.

3.2.1 Highway 80 Trunk Line Work Plan

The Highway 80 Trunk Line Work Plan includes methodologies and procedures for monitoring, evaluating, and assessing the Highway 80 Trunk Line.

3.2.2 Highway 80 Trunk Line Rehabilitation Plan

The Highway 80 Trunk Line Rehabilitation Plan includes flow and rainfall monitoring, estimation of infiltration and inflow, condition assessment of the Trunk Line, and development of the rehabilitation plan.

During this reporting period:

- No Agency comments were received; therefore, no activities were performed during this period.

During the next reporting period:

- Address Agency comments to the Highway 80 Trunk Line Rehabilitation Plan

3.2.3 Highway 80 Trunk Line Phase 2 Rehabilitation Project

The Highway 80 Trunk Line Phase 2 Rehabilitation Project includes rehabilitation or replacement of approximately 6,725 linear feet of the existing 24-inch diameter Highway 80 Trunk Line. The project has been divided into two phases. Phase 2-A includes replacement of approximately 1,550 linear feet and Phase 2-B will rehabilitate approximately 5,175 through replacement or cured in place pipe lining.

During this reporting period:

- Phase 2-A
  - Completed construction of Phase 2-A on March 29, 2023
- Phase 2-B
  - Completed 100% Phase 2-B Design Drawings and Specifications
  - Received Mississippi Department of Transportation (MDOT) Permit Application
  - Prepared easement documents and began acquisition

During the next reporting period:

- Phase 2-A
  - Monitor Phase 2-A, 1-year warranty period
- Phase 2-B
  - Finish easement acquisition
  - Advertise for bids when easements are acquired

3.3 Wastewater Collection and Transmission System

The Consent Decree requires work to be performed on the Wastewater Collection and Transmission System.

3.3.1 Sewerbasin Prioritization Work Plan

The Sewerbasin Prioritization Work Plan includes methodologies and procedures for estimating Infiltration and Inflow within each Sewerbasin and for assessing the capacity

of the WCTS in areas with known capacity related SSOs. EPA and MDEQ approved the City's Sewerbasin prioritization Work Plan on January 21, 2021.

3.3.2 Sewerbasin Prioritization Report

This work includes flow and rainfall monitoring, estimation of base infiltration and rainfall dependent infiltration and inflow, updates to existing GIS data, capacity evaluation of major sanitary sewer gravity mains, and development of the Sewerbasin Prioritization Report to be submittal by January 21, 2024.

During this reporting period:

- Completed calibration of RDII and hydraulic models
- Prepared the draft Sewerbasin Prioritization Report

During the next reporting period:

- Finalize and submit the Sewerbasin Prioritization Report for Agency review

3.3.3 Repair of 54-Inch Diameter Sanitary Sewer Interceptor

The Repair of 54-Inch Diameter Sanitary Sewer Interceptor Project includes replacing a segment of the existing interceptor that was damaged due to creek bank erosion along Sowashee Creek.

During this reporting period:

- Construction was completed on August 19, 2023

During the next reporting period:

- None

3.3.4 West Meridian Trunk Line Phase 1 Rehabilitation

The West Meridian Trunk Line Phase 1 Rehabilitation Project includes realignment of a reinforced concrete gravity sewer pipe, with diameters of 24-inch and 30-inch, which conveys wastewater from the westernmost portions of the City of Meridian to the 54-inch diameter pipe near 49th Avenue, south of Sowashee Creek. Two major collapses have occurred along this portion of the West Meridian Trunk Line and other sink holes are beginning to develop along the existing alignment. These collapses contribute to half of the City's sanitary sewer overflows at SSO-7, located at 181 65th Avenue.

During this reporting period:

- Completed 100% drawings and specifications
- Received approval of MDOT permit
- Prepared easement documents and began acquisition

During the next reporting period:

- Complete easement acquisition
- Advertise for bids when easements are acquired

3.3.5 Sanitary and Storm Sewer Rehabilitation Annual Contract

The Sanitary and Storm Sewer Rehabilitation Annual Contract will be used to perform open cut and trenchless rehabilitation of gravity sanitary sewer mains and manholes.

During this reporting period:

- Completed construction of Work Order 1 on August 30, 2023, which includes gravity sanitary sewer rehabilitation in the Medical District to include the following streets:
  - 18th Avenue from 6th Street to 14th Street
  - 19th Avenue from 6th Street to 14th Street
  - 20th Avenue from 9th Street to 14th Street
  - Constitution Avenue from Front Street to 14th Street
- Completed construction of Work Order 2 on September 13, 2023, which included repair to an offset joint on the 36-inch diameter Interceptor at D Street and 23rd Avenue.
- The Sanitary and Storm Sewer Rehabilitation Annual Contract was rebid, and the contract awarded.

During the next reporting period:

- Begin construction under new Sanitary and Storm Sewer Rehabilitation Annual Contract

3.3.6 Eastern Gardens Pump Station

The City identified a sewer main break at an inverted siphon located in the northeast portion of the WCTS causing sewage to be discharged into Sowashee Creek. A temporary bypass pump system was installed to halt the release and convey the sewage from the existing 18-inch gravity sewer main, across Sowashee Creek, and into the WCTS. Plans are being developed to construct a new permanent pump station. This new pump station will also eliminate an existing 10-inch diameter aerial gravity sewer main, which is in poor condition, currently crossing Sowashee Creek. The City's plan for the design of this new pump station will include the flexibility to pump to either the East or the South WWTPs.

During this reporting period:

- Operated and maintained temporary bypass pumping system
- Performed the following design phase activities:
  - Geotechnical investigation
  - Topographic survey
  - Wetland delineation
  - Prepared of 30% design drawings

During the next reporting period:

- Continue operation of the temporary bypass pumping system
- Complete design of new pump station, gravity sewer, force main, and gravity sewer rehabilitation
- Prepare and submit permits
- Prepare easement documents

3.4 Chronic SSO Advanced Remote Monitoring Program

The Consent Decree requires a Chronic Sanitary Sewer Overflow (SSO) Advanced Remote Monitoring Program which includes compiling a list of SSO locations in the WCTS which has experienced more than one wet-weather capacity-related SSO in the previous twelve months. EPA and MDEQ approved the Updated Chronic SSO List on June 30, 2021.

3.4.1 Chronic Sanitary Sewer Overflow List

The Chronic SSO List was submitted to EPA and MDEQ in August 2020 for review and was approved on January 21, 2021.

3.4.2 Updated Chronic Sanitary Sewer Overflow List

Following approval of the Updated Chronic Sanitary Sewer Overflow (SSO) List on June 30, 2021, the City implemented the Chronic SSO Advanced Remote Monitoring System and prepared and submitted the Updated Chronic Sanitary Sewer Overflow List for review and approval on June 21, 2023. The Updated Chronic Sanitary Sewer Overflow List included updating the previously approved Updated Chronic SSO List with any additionally reported sanitary sewer overflows that met the definition of a Chronic SSO.

During this reporting period:

- Reported SSO occurrences as per the approved SORP and CD requirements

During the next reporting period:

- Continue monitoring, recording, and notifying City staff of full pipe, surcharge, and overflow conditions identified by monitors installed at locations in the Updated

Chronic SSO List

3.4.3 Chronic SSO Advanced Remote Monitoring Program

During this reporting period:

- Continued monitoring, recording, and notifying City staff of full pipe, surcharge, and overflow conditions identified by the monitors installed at locations identified in the approved Updated Chronic SSO List

During the next reporting period:

- Continue monitoring, recording, and notifying City staff of full pipe, surcharge, and overflow conditions identified by the monitors installed at locations identified in the Updated Chronic SSO List

4.0 Capacity, Management, Operations and Maintenance (CMOM) Programs

The Consent Decree requires the City to implement various programs to properly address capacity and to maintain, operate, and manage sanitary wastewater collection, transmission, and treatment systems, and respond to SSO events.

The following sections briefly overview the CMOM activities performed during this reporting period (January 1, 2023 - June 30, 2023) and planned activities for the subsequent reporting period (July 1, 2023 - December 31, 2023).

4.1 Sewer Overflow Response Plan (SORP)

The Consent Decree requires the development and implementation of a Sewer Overflow Response Plan (SORP). The purpose of the SORP is to provide a plan for responding to, cleaning up, and minimizing the impacts of SSOs in a timely manner. The SORP was approved by EPA on September 14, 2020. Implementation of the SORP was required by September 14, 2021. The SORP was adopted by the City and implemented for reference prior to the deadline.

During this reporting period:

- Training
  - SORP focused SSO reporting/recordkeeping training
    - On 7/26/2023, conducted SORP Program orientation training for Public Work Department's new Line Maintenance's Secretary
    - Training included one-on-one orientation guidance on the SORP & SSO reporting and documentation procedures
- Continued to manually track and document performance measures
- Maintained the current Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member
- Continued refinement of Program-related SOPs (based on training activities and feedback from field staff)
- Started review process of SORP document for potential revisions to original plan approved in 2020

During the next reporting period:

- Manually track and document performance measures
- Maintain the Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member
- Continue refinement of Program-related SOPs (based on training activities and feedback from field staff)
- Finalize and submit any revisions to original SORP document approved in 2020

4.2 Emergency Response Plan (ERP)

The Consent Decree requires the development and implementation of an Emergency Response Plan (ERP). The purpose of the ERP is to provide a plan for responding to routine and catastrophic emergencies. Routine emergencies include such situations as overflowing manholes, line breaks, pump station failure, etc. Catastrophic emergencies include situations such as floods, tornadoes, or other natural events. The ERP was approved by EPA on September 14, 2020. Implementation of the plan was required by September 14, 2021. The ERP was adopted by the City and implemented for reference prior to the deadline.

During this reporting period:

- Training
    - Scheduled UPDATE training to be conducted by City's PUBLIC SAFETY DEPARTMENT
- Continued manually tracking and documenting program performance measures
- Maintained the current Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member
- Continued refinement of Program-related SOPs (based on training activities and feedback from field staff)
- Started review process of ERP document for potential revisions to original plan approved in 2020

During the next reporting period:

- Training
- Conduct UPDATE training by City's PUBLIC SAFETY DEPARTMENT
- Continue refinement of Program-related SOPs (based on training activities and feedback from field staff)
- Manually track and document performance measures
- Maintain the Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member
- Finalize and submit any revisions to original ERP document approved in 2020

4.3 Sewer Mapping Program

The Consent Decree required the implementation of a Sewer Mapping Program (SMP). The purpose of the Sewer Mapping Program was to provide a means for the continuous updating of the WCTS maps. The SMP was approved by EPA on September 14, 2020. Implementation of the SMP was required by September 14, 2021. The SMP was adopted by the City and implemented for reference prior to the deadline.

During this reporting period:

- Integrated data from planned pipeline rehabilitation and construction projects
- Enhanced dashboards for monitoring GIS changes
- Trained additional field and office staff on data collection for collection system improvements
- Collected additional attribute data during field operations
- Continued to manually track and document performance measures
- Started review process of Sewer Mapping document for potential revisions to original plan approved in 2020
- Continued refinement of Program-related SOPs (based on training activities and feedback from field staff)

During the next reporting period:

- Integrate data from planned pipeline rehabilitation and construction projects
- Enhance dashboards for monitoring GIS changes
- Provide additional training to field and office staff on data collection for collection system improvements
- Collect additional attribute data during field operations
- Finalize and submit any revisions to original Sewer Mapping document approved in 2020
- Continue to manually track and document performance measures
- Continue refinement of Program-related SOPs (based on training activities and feedback from field staff)

4.4 Gravity Sewer System Operations and Maintenance Program

The Consent Decree requires the development and implementation of a Gravity Sewer System Operations and Maintenance Program (GSSOMP). The purpose of the Gravity Sewer System Operations and Maintenance Program is to provide a plan to address SSOs, particularly those caused by Fats, Oil and Grease (FOG) and roots or debris obstructions. The GSSOMP was approved by EPA on May 3, 2021. Per the approved report, full implementation of the GSSOMP was to be achieved by May 3, 2022. The GSSOMP was adopted by the City and implemented for reference prior to the deadline.

During this reporting period:

- Training
  - City's new portable CCTV unit (CUES C550 Flexitrax)
    - One day of manufacturer representative-led training on operation of unit
    - Field-training
      - Field training module was conducted over a three-day period
      - Led by an industry expert in pipeline inspection & trenchless rehabilitation
      - Training provided CCTV and associated vactor truck crews with supervised hands-on/real-world pipeline inspection training
      - Focal learning objectives included proper operation and SOPs related to video inspection of pipelines (specifically, as it applied to utilizing the CUES C550 Flexitrax unit).
      - Total number of participants – Six lines maintenance staff participated in the field training
    - City crew continues in-house CCTV training with designated gravity lines in areas unimpeded with traffic.
- Focal easements - City continued clearing of focal gravity system easements
- Continued manually tracking and documenting performance measures until IMS Program is fully implemented.
- Maintained the current Excel spreadsheet training matrix with respect to GS system, which lists PW staff & the training completed by each staff member
- Continued refinement of Program-related SOPs (based on training activities and feedback from field staff)
- Started review process of GSSOMP document for potential revisions to original plan approved in 2021

During the next reporting period:

- Continue refinement of SOPs related to gravity sewer system operations and maintenance procedures based on training activities
- Continue manually tracking and documenting performance measures until IMS Program is fully implemented, at which time, the IMS can begin being utilized for tracking established performance measures
- Finalize and submit any revisions to original GSSOMP document approved in 2021
- Training
  - Addition of supplemental training curriculum (as appropriate) associated with

the operation and maintenance of the gravity sewer system

4.5 Pump Station and Force Main Operations and Preventative Maintenance Program

The Consent Decree requires the development and implementation of a Pump Station and Force Main Operations and Preventative Maintenance Program (PSFMOPMP). The purpose of the Pump Station and Force Main Operations and Preventative Maintenance Program is to facilitate proper operation and maintenance activities associated with the Pump Stations and Force Mains within the WCTS. The Program was approved by EPA on May 3, 2021. Per the approved report, full implementation of the Program was to be achieved by May 3, 2022. The PSFMOPMP was adopted by the City and implemented as a reference prior to the deadline.

During this reporting period:

- Pump stations wireless remote monitoring systems
  Objective of the project is to provide Public Works staff the ability to actively monitor the operational conditions at each location remotely (digital alarm inputs), as well as collect station-specific trend data at to be analyzed.
  - Completed the project's bid/procurement phase
    - Recommendation to Award submitted to City, following which, City Council City Council approved entering agreement with recommended contractor. The construction contract was signed on 12/18/23
      - Project comprises furnishing, installation, and commissioning of a complete wireless remote monitoring system
      - Locations where units are scheduled for installation include 45 wastewater pump stations (classified as either "medium" or "high" risk locations) and four locations at the South WWTP
- Portable self-priming bypass pumps
  - Initiated process for procuring the manufacturer-offered remote monitoring and control subscription service plan for the City's four new Godwin self-priming bypass pumps
  - Each pump's factory-installed onboard PrimeGuard 2 controller (a fully programmable microprocessor engine control system), when paired with Xylem/Godwin's Field Smart Technology (FST) subscription service, converts the controller into an advanced cloud-based telemetry system. Once activated, the telemetry system would allow City personnel the ability to monitor and control these four newest Godwin bypass pumps remotely
  - The telemetry system utilizes real-time pump and engine performance data that is capable of alerting appropriate City staff of potential pump issues via text messaging, email, and/or interactive phone call notifications
- Continued refinement of SOPs related to pump station and force main operations and maintenance procedures based on training and field-related activities

- Continued manually tracking and documenting performance measures until IMS Program is fully implemented, at which time, the IMS can begin being utilized for tracking established performance measures
- City continued training of new Lift Station Technician
- Focal easements
  - City continued clearing of focal WCTS easements
- Started review PSFMOPMP document for potential revisions to original plan approved in 2021

During the next reporting period:

- Wastewater station remote monitoring system
  - Initiate construction activities
    - Issue notice to proceed
    - Conduct pre-construction meeting
- Continue refinement of SOPs related to pump station and force main operations and maintenance procedures based on training and field-related activities
- Continue manually tracking and documenting performance measures until IMS Program is fully implemented, at which time, the IMS can begin being utilized for tracking established performance measures
- Training
  - Addition of supplemental training curriculum associated with the operation and maintenance of the pump station and force main system
- Finalize and submit any revisions to the original PSFMOPMP document approved in 2021

4.6 Legal Support Program

The Consent Decree requires the implementation of a Legal Support Program (LSP). The purpose of the Legal Support Program is to provide a means for the development and enforcement of rules and regulations with respect to (FOG) control and Private Laterals. The Program was approved by EPA on May 3, 2021. Per the approved report, full implementation of the Program was to be achieved by May 3, 2022. The LSP was adopted by the City and implemented as a reference prior to the deadline.

During this reporting period:

- Updated Ch. 25 Water and Sewer ordinance (adopted June 2023)
  - Per City's Ordinance Muncicode webpage, the updated Ch 25 Water and Sewers ordinance shown under ADOPTED ORDINANCES NOT YET CODIFIED
- Completed the two supporting documents to assist both customers and the City in successfully implementing the amended ordinances. These documents are intended to provide guidance in assisting customers with adherence to the amended ordinances as well as the City in taking fair, consistent, and equitable enforcement actions against violators of the City of Meridian's Water and Sewers Ordinances
  - FOG Management and Enforcement Response Guide (FMERG) &
  - Private Lateral Enforcement Response Guide (PLERG)
- Continued implementation of updated ordinance procedures
- Maintain the current Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member
- Continue refinement of SOPs related to the LSP and based on training and field-related activities
- Continued manually tracking and documenting performance measures
- Started review LSP document for potential revisions to original plan approved in 2021

- During the next reporting period:
  - Continue implementation of updated ordinance procedures
  - Maintain the current Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member
  - Continue refinement of SOPs related to the LSP and based on training and field-related activities
  - Continue manually tracking and documenting performance
  - Finalize and submit any revisions to LSP document approved in 2021

4.7 Information Management System (IMS) Program

The Consent Decree requires the development and implementation of an Information Management System (IMS) Program. The purpose of the Information Management System (IMS) Program is to provide City Managers and supervisors guidance and reporting capabilities for Management, Operations and Maintenance activities The Program was approved by EPA on October 15, 2021. Per the approved Program, the full implementation of the IMS is to be achieved by October 15, 2023.

During this reporting period:

- Initiated work order management system for selected software application (Cityworks)
- Implemented specific work order templates to support work assignments and completion
- Conducted Cityworks application training of select public works staff
- Assigned tablets to public works field supervisors for Cityworks data input
- Conducted final preliminary evaluation of required IMS software
- Continued development of IMS Configuration/Programming
- Continued refinement of SOPs related to the IMS based on training and field-related activities
- Continued manually tracking and documenting performance measures

During the next reporting period:

- Continue providing support for public works employees using Cityworks
- Provide additional training for asset management
- Continue refinement of SOPs related to the IMS based on training and field-related activities
- Continue manually tracking and documenting performance measures
- Review IMS document for potential revisions to original plan approved in 2021

4.8 Fats, Oils, and Grease (FOG) Control Program

The Consent Decree requires the development and implementation of a Fats, Oils, and Grease (FOG) Control Program. The purpose of the FOG Control Program is to provide a plan to address Fats, Oils, and Grease in the WCTS. The Program was approved by EPA on October 15, 2021. Per the approved Program, full implementation of FOG is to be achieved by October 15, 2023.

During this reporting period:

- Initial round of FSE site visits
  - FOG Coordinator continued with first cycle of visiting City's FSEs to provide them with program requirements (and offer support for achieving compliance with program's requisites).
- Training
  - **Midwest Fats, Oils, & Grease Conference & Training**
    - The two-day conference took place on September 27th & 28th, 2023, in Columbus, Ohio.
    - Conference included numerous technical sessions on subjects ranging from latest technology in the areas of grease removal devices; FOG management software; waste hauling, and general municipal FOG management (e.g., FOG enforcement; grease removal device sizing & cleaning frequency; BMPs; inspection procedures, etc.)
    - Participants from the Public Works Department
      - FOG Coordinator and
      - Lines Maintenance Supervisor
- Continued development of "living inventory" of commercial FOG generators located on Meridian's WCTS, including creation of a GIS map illustrating the City's current food service establishments (FSEs)
- Continued refinement of electronic, ArcGIS-based FOG inspection form for use during visits to commercial FOG generating facilities
- **FOG management software**
  - Identified a potential FOG-centric software package to support implementation of Meridian's FOG Program.
  - Coordinated a demonstration of FOG management software for City of Meridian.
  - Software overview
    - The software is a turn-key, cloud based, platform developed to provide municipalities with a means to automate and manage all aspects of their FOG program (and is currently being utilized by numerous municipalities across the country).
    - It provides the following capabilities:
      - Electronic cleaning record submission
      - Detailed FOG generator profiles
      - Mobile inspection capabilities

        - Automatic alerts
        - Electronic sewer overflow documentation
    - Based on the demonstration and assessment of the software, the City elected to purchase the software package. As of this reporting period, the City has initiated procurement of the software.

- **FOG Public Outreach**
    - Developed final draft of the CMOM Public Outreach Plan (for calendar year 2024), which includes
        - Proposed the City enter into an annual plan with a media design firm that specializes in development and implementation of utility and local municipality outreach solutions related to wastewater issues such as prevention of FOG (and other prohibited materials) contributions into the WCTS.
        - Recommended budget for Year 2024's public outreach/initiative activities, specifically as it applies to FOG.
        - Basic outreach program for commercial customers (e.g., FSEs)
        - Education/initiatives related to non-FSE customers public education/initiatives
            - Outreach themes
            - Outreach campaign materials
    - Initiated preliminary outreach activities for focal commercial FOG generators identified as part of the FOG Characterization Study.
- FOG Characterization Study-related activities
    - Plan development for comprehensive inspection of the FOG Characterization Study's FOG "hot spot" locations, which comprise approximately 19,000 linear feet of gravity sewer pipe
    - Based on findings from the gravity sewer line inspections, chronic FOG source and remediation plan will be refined, as necessary, and implemented accordingly.
    - Continued developing plan for confirming and remediating chronic FOG sources that are contributing to "hot spot" areas within the WCTS; specifically, those associated with multi-family residential customers
- FOG Management & Enforcement Response Guide (FMERG)
    - Completed final draft FMERG, which will serve as the guideline for regulatory inspection and enforcement of commercial FOG generators
- Maintenance of the current Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member
- Continued refinement of SOPs related to the FOG and based on training and field-related activities
- Continued manually tracking and documenting performance measures
- Started review of FOG Program document for potential revisions to original plan

approved in 2020

During the next reporting period:

- Continue implementation phase activities
  - Continue with recurrent facility inspection program of City's FSEs
- FOG software
  - Procure of the FOG management software to be completed during this next reporting period.
  - Upon procurement of software, it shall immediately be implemented as part of the FOG program activities. The following is a list of implementation activities:
    - Onboarding process
      - Software developer/distributor will conduct a kickoff meeting with the City, which would ultimately serve as the orientation training session.
      - Following the initial training module, the FOG Coordinator and City would have continued access to the software developer staff for any technical or software interface questions, issues, or additional training (as needed).
      - Furthermore, part of their implementation services comprises incorporating Meridian's existing FSE locations (and additional facility data) into their system making it immediately ready for City's use.
- **FOG Public Outreach**
  - Procurement and implementation of recommendation from the Public Outreach Plan.
- Continue refinement of "living" list (including the electronic database) of commercial establishment FOG generators
- Initiate CCTV inspection of identified FOG hotspots (as described in the FOG Characterization Study)
- Continue implementation activities associated with staffing (technical/legal) and equipment requirements for Program's execution
- Training
  - Continue to actively seek out industry-sponsored FOG control training opportunities for which the FOG Coordinator may participate
  - Addition of supplemental training curriculum (as appropriate) associated with FOG control requisites as described in the FOG Control Program
- Maintain the current Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member
- Continue refinement of SOPs related to the FOG and based on training and field-related activities
- Continue manually tracking and documenting performance measures

- Finalize and submit any revisions to original FOG document approved in 2021

4.9 Financing and Cost Analysis Program

The Consent Decree requires the development and implementation of a Financing and Cost Analysis (FCA) Program. The purpose of the Financing and Cost Analysis Program is to provide a process that routinely reviews and updates all financial components of operating and maintaining a Sewer system which includes annual budgets, capital improvement expenditures, etc. The Program was approved by EPA on October 15, 2021. Per the approved report, full implementation of the Program was to be achieved by October 15, 2022. The FCA was adopted by the City and implemented as a reference prior to the deadline.

During this reporting period:

- Continued work identifying any funding gaps and project needs for additional bond issue
- Proposed funding approach for future funding needs, as appropriate
- Continued assessment of PWD personnel levels and needs for CMOM program implementation
- Continued development of Capital Improvements Plan for Consent Projects inclusion in the FY 2024 budget
- Maintained the current Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member
- Continued refinement of SOPs related to the FCA based on training and city-related activities
- Continued manually tracking and documenting performance measures
- Started review of FCA document for potential revisions to original plan approved in 2021

During the next reporting period:

- Begin developing Public Works Department budget for FY 2025
- Continue work identifying any funding gaps and project needs for additional bond issue
- Propose funding approach for future funding needs, as appropriate
- Continue assessment of PWD personnel levels and needs for CMOM program implementation
- Continue development of Capital Improvements Plan for Consent Projects inclusion in the FY 2025 budget
- Maintain the current Excel spreadsheet training matrix, which lists Public Works staff and the training completed by each staff member

- Continue refinement of SOPs related to the FCA and based on training and city-related activities
- Continue manually tracking and documenting performance measures
- Finalize and submit any revisions to original FCA document approved in 2021

5.0 Consent Decree Progress Schedule

A Gannt chart indicating the overall progress of Consent Decree required activities and milestones is shown on the following pages.

City of Meridian Sewer Consent Decree Schedule (OBJECTIVE: Eliminate Sanitary Sewer Overflows, Achieve and Maintain Full Compliance with the CWA, the MAWPCL, and the NPDES Permits)

CD ASPECTS | **CD Tasks** | **Years 1 through 8 (of 19)**

Consent Decree Effective Date: August 6, 2019

Calendar Year	2019	2020	2021	2022	2023	2024	2025	2026	2027
Fiscal Year/Current CITY GSA Contract (Grey)	2019	2020	2021	2022	2023	2024	2025	2026	2027
Month	Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M								

Program Management (PrG)

PrG Management, Reports, and Meetings

- Semi-Annual Reports (Due Jan 31, 20XX and July 31, 20XX)
- Annual Reports (Due Feb 28, 20XX)
- Consent Decree Monthly Meetings
- Quarterly Council Mtg CD Updates
- Quarterly EPA/MDEQ CD Updates (Began in 2023)
- Biweekly Team Meetings, between Consent Decree Monthly Mtgs (WCTS, WWTP, CMOM)

Wastewater Collection and Transmission System (WCTS)

Hwy 80 Trunk Line Sewer System Evaluation And Rehabilitation

- **Draft/Submit Highway 80 Trunk Line Work Plan**
- EPA Review & Approval
- **Draft/Submit Highway 80 Trunk Line Rehabilitation Plan**
- EPA Review & Approval
- Rehabilitation Plan Implementation - Design & Construction Projects
  - Phase 1 Highway 80 Trunk Line Repair Project (SC , Warranty expired)
  - Phase 2-A Highway Trunkline Repair Project (SC Feb 28, 2023, Warranty Period to Feb 28, 2024)
  - Phase 2-B Highway 80 Trunkline Repair Project (100% Design, Acquiring Easement (FWD))
  - Phase 3 Highway 80 Trunkline Repair Project (In Planning)

SewerBasin Studies

- **Draft/Submit Sewerbasin Prioritization Work Plan**
- EPA Review & Approval (3)
- **Draft/Submit Sewerbasin Prioritization Report**
- Develop / Update Sewer System Map (30 months)
- Sewerbasin Flow Monitoring (24 months minimum)
- Rainfall Monitoring (24 months minimum)
- Prioritize Sewerbasins (6 months)
- Prepare Prioritization Report (3 months)
- EPA Review & Approval (3 months)
- **Sewer Group Evaluation Plan**
- EPA Review & Approval (3 months)
- Sanitary Sewer Evaluation Survey
- Pump Station Evaluations
- Evaluate Sewer Groups 1 and 2
- **Draft/Submit Sewerbasin Evaluation Report & Rehabilitation Plan (12 months following Sewer Group Evaluation Plan)**
- EPA Review & Approval (3 months)
- Rehabilitation Plan Implementation
- **Rehabilitation Plans for each Sewer Group**
- Design & Construction of Improvements-Sewer Group 1 (144 Months after effective date: Aug 5, 2031)
- Draft/Submit Rehabilitation Report Sewer Group 1 (12 Months following completion of SG1 remedial measures)
- Design & Construction of Improvements-Sewer Group 2 (216 Months after effective date: Aug 5, 2037)
- Draft/Submit Rehabilitation Report Sewer Group 2 (12 Months following completion of SG2 remedial measures)
- **Other Sewerbasin Design and Construction Projects**
  - 24-inch B Street and 22nd Avenue Sewer Improvements Project (21st to 23rd avenue) (FC/SC 09/22/2023, in Warranty Period)
  - 54-Inch Sewer Line Replacement (SC 7/27/2023, in Warranty Period)
  - Annual Term Contract - Work Order No. 1 Medical District (SC 8/30/2023, in Warranty Period)
  - West Meridian Phase 1 Trunkline Repair Project (100% Design, Acquiring Easements (Pilot, Greenfield Env.)
  - Annual Term Contract - Work Order No. 2, D Street Sewer Repair (Completed 10/2023, Warranty Period to 10/2023)
  - Eastern Garden Pump Station Project (Conducting Survey, Geotech, NEPA, and Property Acq. for Design)
  - Annual Term Rebid Contract - 2 Years (Bidding)
  - West Meridian Phase 2 Trunkline Repair Project (In Planning/CDBG Grant Awarded)
  - Industrial Park Gravity Sewer Repairs (In Planning)
  - Miscellaneous Projects (Focal Easements Clearing, B Street Eval, Newell/Old Hwy 45 Access Road, Trunkline CCTV/Scan/Cleaning Contract, Other)

Chronic SSO Advanced Remote Monitoring Program

- Develop Initial SSO List w/ proposed remote monitoring locations
- EPA Review & Approval (3 months)
- Submit Updated Chronic SSO List w/ proposed remote monitoring locations
- EPA Review & Approval (3 months)
- Installation of Remote Monitoring Equipment
- Submit Updated Annual Chronic SSO Lists
- EPA Review & Approval

Month No.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92
Year No.	1 2 3 4 5 6 7

City of Meridian Sewer Consent Decree Schedule (OBJECTIVE: Eliminate Sanitary Sewer Overflows, Achieve and Maintain Full Compliance with the CWA, the MAWPCL, and the NPDES Permits)

CD ASPECTS

CD Tasks

Consent Decree Effective Date: August 6, 2019

Years 1 through 8 (of 19)

Calendar Year: 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027

Fiscal Year/Current CITY GSA Contract (Grey): 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027

Month: Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M

Wastewater Treatment Plants (WWTPs)

Sewer Treatment System Corrective Action Plan (STSCAP)

SWWTP

- Draft/Submit Plan — 12 mo. — 5th
- EPA Review & Approval — 3rd
- Design & Construction of STSCAP (42 Months from Approval) — On Hold: Awaiting TMDL Study Results
- STSCAP On-Hold, as per City Letter Issued to DOJ/EPA/MDEQ on June 15, 2022) — 15th
- - SWWTP O&M Assistance (Clear Water Solutions) — Various O&M
- - Miscellaneous SWWTP Plant Repairs and Improvements (Pumps, Blowers, Piping, Valves, Line Cleaning and Septage Station Plan, Grit Chamber Conveyance system Rehab, Power Monitor, EQ 4 Curtain, EQ 1 Dewatering/Sump Pump, etc.) — Various O&M
- - SWWTP Phase 1-A Rehab and Upgrades (Clarifier Equipment, Headworks, Belt Press, Coagulant System, SCADA) — Design | Bid | Award | Construction
- SWWTP EQ Basins 2, 3, and 4 Sludge Solids Removal/Dewatering/Off-Site Soil Amendment — Design | Bid | Award/Permits | Construction
- Copper Study (Agreed Order/Meridian Modification Request)
- - WET Testing/Report due Oct. 31, 2023 — 31st
- - Chemical Translator Sampling/Report due Oct. 31, 2023; Submitted to MDEQ — 31st
- - Biological Translator Study (not needed) — 31st
- - MDEQ performing Chemical Translator Study/Draft NPDES Permit with Rationale to submit to EPA — EPA
- - SWWTP Roof Project — Design | Bid | Construction

EWWTP

- EWWTP Upgrades (Headworks, PS, SBR Diffuser Sleeve and Air Valve Replacement) — Design | Bid | Construction
- EWWTP Upgrades (Disinfection System) — Design | Bid | Construction
- EWWTP Upgrades (PLC Software Update) — Aqua Aerobics Eq. Lead Time | Install

JOINT WWTPs

- MS Power Water Use Agreement Revision — Planning | M | M | M | Am. 5 (Final) | M

12/31/2023

Capacity, Management , Operations and Maintenance Programs (CMOMs)

CMOM Programs

Draft/Submit Sewer Overflow Response Program (SORP) — 6 mo.

- EPA Review & Approval (3 months) — 14th
- Initiate and Implement SORP Training (Plan) — 14th
- Complete SORP SOPs (Plan) — 12 mo. — 14th
- Develop List of PS SSOs (Plan) — 18 mo. — 6th
- Develop List of potential PS SSOs in the event of Failure (Plan) — 18 mo. — 6th
- Continue Implementation and Annual Updates of SORP — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up
- Track KPIs/Include in Annual Reports (Plan)

Draft/Submit Emergency Response Plan (ERP) — 12 mo. — 5th

- EPA Review & Approval (3 months) — 14th
- Procure Video Conferencing at PWD Conference Room (Plan) — 6 mo. — 14th
- Complete ERP SOP (Plan) — 12 mo. — 14th
- Initiate and Implement ERP Training (Plan) — 12 mo. — 14th
- All Program Elements Implemented/In Place — 18 mo. — 14th
- Continue Implementation and Annual Updates of ERP — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up
- Track KPIs/Include in Annual Reports (Plan)

Draft/Submit Information Management Systems Program (IMS) — 24 mo. — 2nd

- EPA Review & Approval (3 months) — 15th
- Implement Geographic Information System (GIS) Map of the entire WCTS — 48 mo. — 5th
- EPA Review & Approval GIS Map (3 months) — 13th
- Continue Implementation and Annual Updates of IMS — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up
- Track KPIs/Include in Annual Reports (Plan)

Draft/Submit Sewer Mapping Program (SMP) — 12 mo. — 5th

- EPA Review & Approval (3 months) — 14th
- Initiate and Implement electronic mapping of each Basin in the WCTS — 18 mo. — 14th
- Procure GIS Software (Plan) — 6 mo. — 14th
- Finalize Data Dictionary (Plan) — 9 mo. — 14th
- Develop System to include display of Streets/Addresses, Water Bodies, and Political Boundaries (Plan) — 12 mo. — 14th
- Develop Standardize Project Specs for City's Construction Projects (Plan) — 12 mo. — 14th — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up
- Develop Sewer Basin Layer (Plan) — 12 mo. — 14th
- Develop Sewer Mapping SOPs (Plan) — 18 mo. — 14th
- Create FOG establishment Layer (Plan) — 18 mo. — 14th
- Capture assets in the electronic database in Sewer Basin Prioritization Work — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up
- Track KPIs/Include in Annual Reports (Plan) — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up — 12 mo. — Up

Month No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92

Year No. 1 2 3 4 5 6 7

City of Meridian Sewer Consent Decree Schedule (OBJECTIVE: Eliminate Sanitary Sewer Overflows, Achieve and Maintain Full Compliance with the CWA, the MAWPCL, and the NPDES Permits)

CD ASPECTS

CD Tasks

Consent Decree Effective Date: August 6, 2019

Years 1 through 8 (of 19)

Consent Decree Year	1	2	3	4	5	6	7	8
Calendar Year	2019 – 2020	2020 – 2021	2021 – 2022	2022 – 2023	2023 – 2024	2024 – 2025	2025 – 2026	2026 – 2027
Fiscal Year/Current CITY GSA Contract (Grey)	2019 – 2020	2020 – 2021	2021 – 2022	2022 – 2023	2023 – 2024	2024 – 2025	2025 – 2026	2026 – 2027

Month: Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M Ap Ma J Ju Au S O N D Ja F M

Capacity, Management , Operations and Maintenance Programs (CMOMs)

Draft/Submit Gravity Sewer System Operations & Maintenance Program (GSSOMP)
- EPA Review & Approval (3 months) — 18 mo. — 5th — 3rd
- Initiate and Implement GSSOMP — 12 mo. — 3rd
- Develop City's Gravity Sewer Design Standards (Plan) — 6 mo. — 3rd
- Provide Location of FOCAL Easements (Plan) — 9 mo. — 3rd
- Initiate Training (Plan) — 12 mo. — 3rd
- Develop SOPS (Plan) — 12 mo. — 3rd
- All Program Elements Implemented/In Place (Upon Approval of Sewer Group Evaluation Plan) — 12 mo. — 3rd
- Track KPIs/Include in Annual Reports (Plan)

12/31/2023

Draft/Submit Pump Station & Force Main Operations & Maintenance Program (PSFMOMP)
- EPA Review & Approval (3 months) — 18 mo. — 3rd — 3rd
- Develop City's PS and FM Design Standards (Plan) — 6 mo. — 3rd
- Classify each PS by Risk: High, Medium or Low Risk (Plan) — 9 mo. — 3rd
- Initiate Program Training and Implementation Plan (Plan) — 12 mo. — 3rd
- Develop SOPS (Plan) — 12 mo. — 3rd
- Develop/Implement Remote Monitoring System (Plan) — Phased Approach
- - Pump Station Monitoring System Project - Design/Bid/Construction **Review TO this week for CA/RPR** — Design — Bid — Construction
- All Program Elements Implemented/In Place (Plan) — 12 — 3rd
- Track KPIs/Include in Annual Reports (Plan)

Draft/Submit Fats, Oils & Grease Control Program (FOGP)
- EPA Review & Approval (3 months) — 24 mo. — 5th — 15th
- Perform FOG Characterization Study (Plan) — 12 mo. — 15th
- Establish Staffing (Technical and Legal) and Equipment Requirements (Plan) — 18 mo. — 15th
- Develop Design and Construction Standards (Plan) — 18 mo. — 15th
- Develop "Living" List of FOG generators (Include Process Descriptions and est. average daily FOG generation) (Plan) — 18 mo. — 15th
- Establish FOG Control Training Component (Plan) — 18 mo. — 15th
- Develop Construction and Compliance Inspection protocols (Plan) — 18 mo. — 15th
- Enactment of FOG Ordinance (CD) — 24 mo. — 20th
- Develop FOG control device BMPs (Plan) FMERG — 24 mo. — 15th
- Develop Compliance Assistance Program for FOG Generators (Plan) FMERG — 24 mo. — 15th
- Develop a public education/outreach component targeting non-commercial/residential customers (Plan) FMERG — 24 mo. — 15th
- All Program Elements Implemented/In Place (Plan) — 24 mo. — 15th
- Track KPIs/Include in Annual Reports (Plan)

Draft/Submit Financing & Cost Analysis Program (FCAP)
- EPA Review & Approval (3 months) — 24 mo. — 5th — 15th
- Process and Schedule of Implementation to Perform Budget and Cost Analysis (CD) — 12 mo. — 15th
- Process and Schedule of Implementation to Evaluate CIP Financing Annually (CD) — 12 mo. — 15th — 12 mo. — 15th — 12 mo. — 15th — 12 mo. — 15th
- Process and Schedule of Implementation to Develop Life Cycle Costs Analysis Process as part of IMS Implementation (CD) — 48 mo. — 15th
- Process and Schedule of Implementation to Evaluate Customer Rates (Water/Sewer) Annually (CD) — 12 mo. — 15th — 12 mo. — 15th — 12 mo. — 15th — 12 mo. — 15th
- Establish FOG Control Program Fees as per FOG Control Program Implementation (Plan) — 24 mo. — 15th
- All Program Elements Implemented/In Place (CD) — 12 mo. — 15th
- *** Update Significant Financial Planning Elements as part of City's Annual Report (Plan) — 12 mo. — 15th — 12 mo. — 15th — 12 mo. — 15th
- Track KPIs/Include in Annual Reports (Plan)

Draft/Submit Legal Support Program (LSP)
- EPA Review & Approval (3 months) — 18 mo. — 2nd — 3rd
- Develop amended Water and Sewer Ordinance (Plan) — 6 mo. — 3rd
- Adoption of amended Water and Sewer Ordinance by City Council (Plan) — 12 mo. — 3rd — 20th
- PLERG
- All Program Elements Implemented/In Place (CD) — 12 mo. — 3rd — 12 mo. — 3rd — 12 mo. — 3rd — 12 mo. — 3rd
- Track KPIs/Include in Annual Reports (Plan)

Month No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92

Year No. 1 2 3 4 5 6 7