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Michael C. Patrick
Executive Director

February 10, 2025

EES Case Management Unit
Environment and Natural Resources Division
U.S. Department of Justice
Box 7611
Washington, D.C. 20044-7611

Re: DJ # 90-5-1-1-11394 – Quarterly Report No. 2

EES Case Management Unit:

The Hamilton County WWTA has completed Quarterly Report No. 2 in accordance with the Consent Decree entered into by the United States District Court for the Eastern District of Tennessee (Southern Division), for the reporting period October 16, 2024, through January 15, 2025.

Pursuant to Paragraph 33 of the Consent Decree, the *Quarterly Report* includes the following:

- Date, time, location, source estimated duration, estimated volume, receiving water (if any), and cause of all SSOs and Prohibited Bypasses occurring in the applicable three (3)-Month Period.

The deliverable has been submitted to the Public Document Repository (PDR) located on the WWTA's website here: <https://wwta.hamiltontn.gov/178/Public-Document-Repository>. A physical hard copy has been submitted to the Public Document Repository at the Chattanooga-Hamilton County Library as of February 10, 2025.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael C. Patrick".

Michael Patrick, P.E.
Executive Director

Cc:

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Quarterly Report No. 2

October 16, 2024 – January 15, 2025

Prepared for

**The United States Environmental Protection Agency and
Tennessee Department of Environment and Conservation**

Case No. 1:23-cv-00225

Prepared by

**Hamilton County
Water & Wastewater
Treatment Authority (WWTA)**

Submitted by

LJA Engineering, Inc.
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2/10/2025



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Acronyms and Abbreviations

CCTV	Closed-Circuit Television
CFR	Code of Federal Regulations
CMMS	Computerized Maintenance and Management System
CMOM	Capacity, Management, Operations, and Maintenance
DMR	Discharge Monitoring Report
EPA	United States Environmental Protection Agency
GIS	Geographic Information System
GPM	Gallons Per Minute
HAZMAT	Hazardous Material
I&I	Infiltration and Inflow
ISS	Interceptor Sewer System
MGD	Million Gallons Per Day
MOM	Management, Operations, and Maintenance
MOR	Monthly Operating Report
NPDES	National Pollution Discharge Elimination System
O&M	Operation and Maintenance
SCADA	Supervisory Control and Data Acquisition System
SOP	Standard Operating Procedures
SORP	Sewer Overflow Response Protocol
SSO	Sanitary Sewer Overflow
SSS	Sanitary Sewer System
TDEC	Tennessee Department of Environment and Conservation
TWRA	Tennessee Wildlife Resources Agency
WWTA	Water and Wastewater Treatment Authority
WWTP	Wastewater Treatment Plant

1.0 Introduction

1.1 Purpose

The Hamilton County Water and Wastewater Treatment Authority (WWTA) entered into a consent decree with the United States and the State of Tennessee in the case styled *United States of America et. al. v. Hamilton County Water and Wastewater Treatment Authority, No. 1:23cv-00225* (“CD”), which became effective on July 16, 2024. Pursuant to Section IX, paragraph 33 of the CD, WWTA is required to submit reports on a quarterly basis to the Environmental Protection Agency (“EPA”) and Tennessee Department of Environment and Conservation (“TDEC”). WWTA has prepared Quarterly Report No. 2 to satisfy the reporting requirements of the CD.

1.2 Requirements

As detailed in Section IX, paragraph 33 of the CD, the WWTA is required to report the date, time, location, source, estimated duration, estimated volume, receiving water, and cause of all sanitary sewer overflows (SSOs) and prohibited bypasses at the Signal Mountain Wastewater Treatment Plant (WWTP) during the reporting period.

1.3 Reporting Schedule

Pursuant to Section IX, Paragraph 33 of the CD, the WWTA is required to submit quarterly reports to the EPA and TDEC beginning thirty (30) days after the first (1st) full three (3) – month period following the Effective Date of the CD. The CD requires that WWTA submit all subsequent quarterly reports thirty (30) days after each subsequent three (3) – month period thereafter until termination of the CD. The WWTA is submitting a letter to EPA with Quarterly Report No. 1 requesting clarification on the schedule for submitting quarterly and other reports, which is included in Appendix A. The WWTA requests that future reports follow the schedule set forth in that letter.

2.0 Sanitary Sewer Overflow (SSO) Events

For the reporting period of October 16, 2024, through January 15, 2025, WWTA experienced the sanitary sewer overflows (SSOs) listed in Table 2-1.

Table 2-1

Quarterly SSO Report (October 16, 2024 to January 15, 2025)

Permit Number	Date Overflow or Release Began	Estimated Start Time	Date Overflow or Release Ended	Estimated End Time	Duration (hours)	Latitude (Dec. Degrees)	Longitude (Dec. Degrees)	Street Number	Street	City	State	Structure / Component ID	Next Down Stream Pump Station	Type of Event	Source	Est. Volume (Gallons)	Name of Receiving Water (http://tdeconline.tn.gov/dwr)	Primary Cause of Event	Primary Corrective Action Taken
SOP-89044	28-Oct-24	10:45 AM	28-Oct-24	12:15 PM	1.5	34.996	-85.241	4222	Ringgold Road	East Rdige	TN	2936	East Ridge Station	Release [Sewer], Dry Weather	Cleanout	450		Blockage	Jetted Line
SOP-89044	7-Nov-24	10:00 AM	7-Nov-24	12:00 PM	2.0	34.9929	-85.3445	100	Scenic HWY	Lookout Mt.	TN	LM531	Connection to City of Chattanooga	Release [Sewer], Dry Weather	Manhole	1,200		Blockage	Jetted Line
TN0021211	3-Dec-24	8:00AM	3-Dec-24	1:30PM	5.5	35.1517	-85.3340	15	Ridgerock Dr	Signal Mtn.		LP89468	None	SSO, Dry Weather	Pipe Failure	1,650		Line Failure	Repaired Pipe
TN0021211	17-Dec-24	10:00AM	18-Dec-24	10:00AM	24.0	35.1210	-85.3373	837	Ravine Rd	Signal Mtn.	TN	71301-18	SMTP	SSO, Wet Weather	Manhole	108,000	Shoal Creek	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	28-Dec-24	9:15AM	31-Dec-24	9:15AM	72.0	35.1210	-85.3373	837	Ravine Rd	Signal Mtn.	TN	71301-18	SMTP	SSO, Wet Weather	Manhole	541,700	Shoal Creek	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	29-Dec-24	10:20AM	30-Dec-24	10:00AM	23.7	35.1208	-85.3363	300	Green Gorge Rd	Signal Mtn.	TN	71301-19	SMTP	SSO, Wet Weather	Manhole	35,500	Shoal Creek	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	29-Dec-24	10:20AM	30-Dec-24	10:00AM	23.7	35.1224	-85.3335	320	Green Gorge Rd	Signal Mtn.	TN	71301-19A	SMTP	SSO, Wet Weather	Manhole	14,200	Shoal Creek	Inflow & Infiltration	Other - Explain in Notes Section
SOP-89044	30-Dec-24	1:30 PM	30-Dec-24	2:45 PM	1.3	34.9895	-85.2143	6016	Riggold Road	East Ridge	TN	08330-2163-2	East Ridge Station	Release [Sewer], Dry Weather	Cleanout	375		Blockage	Jetted Line
TN0021211	6-Jan-25	10:00AM	7-Jan-25	9:30AM	23.5	35.1210	-85.3373	837	Ravine Rd	Signal Mtn.	TN	71301-18	SMTP	SSO, Wet Weather	Manhole	108,050	Shoal Creek	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	6-Jan-25	10:00AM	7-Jan-25	9:30AM	23.5	35.1193	-85.3653	101	Riverpoint Rd	Signal Mtn.	TN	70301-96	SMTP	Release [Sewer], Wet Weather	Manhole	14,100		Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	6-Jan-25	10:00AM	13-Jan-25	10:00AM	168.0	35.1183	-85.3642	104	Riverpoint Rd	Signal Mtn.	TN	70301-91	SMTP	Release [Sewer], Wet Weather	Manhole	771,750		Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	8-Jan-25	4:15PM	9-Jan-25	12:30PM	20.3	35.1464	-85.3324	875	Danbury Cove	Signal Mtn.	TN	LP15341-30866	SMTP	Release [Sewer], Dry Weather	Other - Explain in Notes Section	1,215		Broke Pipe Fitting	Replaced bad fitting

3.0 Signal Mountain WWTP

3.1 Bypass Events

For the reporting period of October 16, 2024, through January 15, 2025, the Signal Mountain WWTP experienced bypasses as listed in Table 3-1.

Table 3-1

Prohibited Bypasses at Signal Mountain WWTP (October 16, 2024 - January 15, 2025)

Permit Number	Date Overflow or Release Began	Estimated Start Time	Date Overflow or Release Ended	Estimated End Time	Duration (hours)	Latitude (Dec. Degrees)	Longitude (Dec. Degrees)	Street Number	Street	City	State	Structure / Component ID	Next Down Stream Pump Station	Type of Event	Structure / Component	Est. Volume (Gallons)	Name of Receiving Water (http://tdeonline.tn.gov/dwr)	Primary Cause of Event	Primary Corrective Action Taken
TN0021211	14-Nov-24	5:00AM	15-Nov-24	7:00AM	26.0	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	613,400	TN River	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	19-Nov-24	9:30AM	21-Nov-24	7:00AM	45.5	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	1,631,229	TN River	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	26-Nov-24	9:45AM	27-Nov-24	7:00AM	21.3	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	484,330	TN River	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	28-Nov-24	4:00AM	29-Nov-24	7:00AM	27.0	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	746,313	TN River	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	9-Dec-24	7:00AM	12-Dec-24	7:00AM	72.0	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	1,950,597	TN River	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	15-Dec-24	2:30PM	22-Dec-24	7:30AM	161.0	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	5,705,165	TN River	Inflow & Infiltration	Other - Explain in Notes Section
TN0021211	27-Dec-24	6:40PM	23-Jan-25	6:45AM	637.0	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	23,140,226	TN River	Inflow & Infiltration	Other - Explain in Notes Section

Appendix A – WWTA Letter



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Michael C. Patrick
Executive Director

November 8, 2024

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Box 7611
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Re: DJ # 90-5-1-1-11394 – Schedule for Reporting

The Hamilton County WWTA requests clarification from the United States Environmental Protection Agency (EPA) for the reporting period for documents required in Section IX – Reporting Requirements of the Consent Decree (CD). The WWTA has historically submitted documents to the Tennessee Department of Environment and Conservation (TDEC) on a calendar quarter, and the WWTA requests to match the reporting periods for documents required by the CD. Therefore, the WWTA requests the following schedule for each CD report required in Section IX – Reporting Requirements.

- **Quarterly Reports (Paragraph 33 of the CD)**
 - Quarterly Report No. 1:
 - Reporting Period: 7/16/2024-10/15/2024
 - Submittal Date: 11/14/2024
 - Quarterly Report No. 2:
 - Reporting Period: 10/16/2024-1/15/2025
 - Submittal Date: 2/14/2025
 - Quarterly Report No. 3:
 - Reporting Period: 1/1/2025-3/31/2025
 - Submittal Date: 4/30/2025
 - Quarterly Report No. 4:
 - Reporting Period: 4/1/2025-6/30/2025
 - Submittal Date: 7/30/2025
 - Quarterly Report No. 5:
 - Reporting Period: 7/1/2025-9/30/2025
 - Submittal Date: 10/30/2025
 - Quarterly Report No. 6:
 - Reporting Period: 10/1/2025-12/31/2025
 - Submittal Date: 1/30/2026
 - All Subsequent Quarterly Reports:
 - Reporting Period: Calendar Quarters
 - Submittal Date: 30 days after the end of the Calendar Quarter
- **Semi-Annual Work Progress Reports (Paragraph 34 of the CD)**
 - Semi-Annual Work Progress Report No. 1:
 - Reporting Period: 7/16/2024-1/15/2025
 - Submittal Date: 2/14/2025
 - Semi-Annual Work Progress Report No. 2:

- Reporting Period: 1/1/2025-6/30/2025
 - Submittal Date: 7/30/2025
 - Semi-Annual Work Progress Report No. 3:
 - Reporting Period: 7/1/2025-12/31/2025
 - Submittal Date: 1/30/2026
 - All Subsequent Semi-Annual Work Progress Reports:
 - Reporting Period: Calendar Semi-Annual Period
 - Submittal Date: 30 days after the end of the Calendar Semi-Annual Period
- **Annual Work Progress Reports (Paragraph 34 of the CD)**
 - Annual Work Progress Report No. 1:
 - Reporting Period: 7/1/2024-6/30/2025
 - Submittal Date: 7/30/2025
 - Annual Work Progress Report No. 2:
 - Reporting Period: 7/1/2025-6/30/2026
 - Submittal Date: 7/30/2026
 - All Subsequent Annual Work Progress Reports:
 - Reporting Period: Annual Period beginning on July 1 and ending on June 30
 - Submittal Date: 30 days after the end of each Annual Period
- **Annual Reports (Paragraph 35 of the CD)**
 - Annual Report No. 1:
 - Reporting Period: 7/1/2024-6/30/2025
 - Submittal Date: 7/30/2025
 - Annual Report No. 2:
 - Reporting Period: 7/1/2025-6/30/2026
 - Submittal Date: 7/30/2026
 - All Subsequent Annual Reports:
 - Reporting Period: Annual Period beginning on July 1 and ending on June 30
 - Submittal Date: 30 days after the end of each Annual Period
- **Five Year Review (Paragraph 36 of the CD)**
 - Five Year Review No. 1:
 - Reporting Period: 7/1/2024-6/30/2029
 - Submittal Date: 7/30/2029
 - Five Year Review No. 2:
 - Reporting Period: 7/1/2029-6/30/2034
 - Submittal Date: 7/30/2034
 - All Subsequent Five Year Reviews:
 - Reporting Period: Five Year Period beginning on July 1 and ending on June 30
 - Submittal Date: 30 days after the end of each Five Year Period

We look forward to receiving EPA's and TDEC's approval for the above-referenced reporting periods. In the meantime, please let me know if you have questions regarding our request.

Sincerely,



Michael Patrick, P.E.
Executive Director

cc:

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