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**Michael C. Patrick  
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August 15, 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. 4

The Hamilton County WWTA has completed Quarterly Report No. 4 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 April 16, 2025, through July 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-Documents-Repository>. A physical hard copy has been delivered to the Public Document Repository at the Chattanooga-Hamilton County Library as of **August 15, 2025**.

*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 have no personal knowledge that the information submitted is other than 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.*

Sincerely,

Michael Patrick, P.E.  
Executive Director

Enclosure

cc:

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# **Quarterly Report No. 4**

## **April 16, 2025 – July 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.  
1110 Market Street, Suite 314  
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8/15/2025



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## Acronyms and Abbreviations

CCTV	Closed-Circuit Television
CFR	Code of Federal Regula- ons
CMMS	Computerized Maintenance and Management System
CMOM	Capacity, Management, Opera- ons, and Maintenance
DMR	Discharge Monitoring Report
EPA	United States Environmental Protec- on Agency
GIS	Geographic Informa- on System
GPM	Gallons Per Minute
HAZMAT	Hazardous Material
I&I	Infiltra- on and Inflow
ISS	Interceptor Sewer System
MGD	Million Gallons Per Day
MOM	Management, Opera- ons, and Maintenance
MOR	Monthly Opera- ng Report
NPDES	Na- onal Pollu- on Discharge Elimina- on System
O&M	Opera- on and Maintenance
SCADA	Supervisory Control and Data Acquisi- on System
SOP	Standard Opera- ng Procedures
SORP	Sewer Overflow Response Protocol
SSO	Sanitary Sewer Overflow
SSS	Sanitary Sewer System
TDEC	Tennessee Department of Environment and Conserva- on
TWRA	Tennessee Wildlife Resources Agency
WWTA	Water and Wastewater Treatment Authority
WWTP	Wastewater Treatment Plant

## 1.0 Introduction

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### 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. 4 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 (1<sup>st</sup>) 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 submitted 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

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For the reporting period of April 16, 2025, through July 15, 2025, WWTa experienced the sanitary sewer overflows (SSOs) listed in Table 2-1.

Table 2-1  
Quarterly SSO Report (April 16, 2025 to July 15, 2025)

Permit Number	Date Overflow or Release Began	Estimated Start Time	Estimated End Time	Date Overflow or Release Ended	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 ( <a href="http://tdeconline.tn.gov/dwr">http://tdeconline.tn.gov/dwr</a> )	Primary Cause of Event	Primary Corrective Action Taken	Date of Last SSO at Same Point	Estimated Impact on Health & Water Quality (Minimal, Moderate or Major)	Steps Taken to Clean up SSO	List of Notifications to the Public	Notes
SOP-89044	21-Apr-25	2:30PM	9:00AM	26-Apr-25	8.75	35.1723	-85.1236	5489	Campground Drive	Harrison	TN	0435651073	Harrison Bay Station	SSO Dry Weather Release	Low-pressure Mainline	525	Land	Broken fitting	Replaced/repared	Unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced broken fitting
TN0021211	1-May-25	8:00AM	10:00AM	1-May-25	2.00	35.1262	-85.3300	497	Fern Trl	Signal Mtn.	TN	03-327-2B-123	SMTP	SSO Dry Weather Release	Manhole	1200	Shoal Creek	BLOCKAGE	REMOVED BLOCKAGE	Unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	SSO Dry Weather - Removed Blockage
SOP-89044	2-May-25	10:00PM	12:30AM	3-May-25	2.50	35.1430	-85.0559	8210	Roy Lane	Ooltewah	TN	05319-02	Roy Lane Station	SSO Wet Weather overflow	Manhole	1500	TN06020001020T_0999	Inflow & Infiltration	Other - Explain in Notes Section	6-Apr-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	2-May-25	10:00PM	12:30AM	3-May-25	2.50	35.1430	-85.0559	8210	Roy Lane	Ooltewah	TN	05319-01	Roy Lane Station	SSO Wet Weather overflow	Manhole	5625	TN06020001020T_0999	Inflow & Infiltration	Other - Explain in Notes Section	6-Apr-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	3-May-25	7:00PM	12:15AM	4-May-25	5.25	35.2396	-85.1893	9614	Church Street	Soddy Daisy	TN	88310-B03	Pottery Lane Station	SSO Wet Weather Release	Manhole	24609	Land	Inflow & Infiltration	Other - Explain in Notes Section	6-Apr-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	3-May-25	10:00PM	1:00AM	4-May-25	3.00	35.1307	-85.0437	7526	Ooltewah-Georgetown Road	Ooltewah	TN	06312-A1	Green Gap Station	SSO Wet Weather overflow	Manhole	6750	TN06020001020T_0999	Inflow & Infiltration	Other - Explain in Notes Section	6-Apr-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	3-May-25	4:30PM	2:00AM	4-May-25	5.50	35.1430	-85.0559	8210	Roy Lane	Ooltewah	TN	05319-02	Roy Lane Station	SSO Wet Weather overflow	Manhole	12375	TN06020001020T_0999	Inflow & Infiltration	Other - Explain in Notes Section	2-May-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	3-May-25	4:30PM	2:00AM	4-May-25	5.50	35.1430	-85.0559	8210	Roy Lane	Ooltewah	TN	05319-01	Roy Lane Station	SSO Wet Weather overflow	Manhole	25781	TN06020001020T_0999	Inflow & Infiltration	Other - Explain in Notes Section	2-May-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
TN0021211	4-May-25	1:00PM	11:30AM	5-May-25	22.50	35.1183	-85.3641	104	Riverpoint Rd	Signal Mtn.	TN	70301-90	SMTP	SSO Wet Weather Release	Manhole	13500	Land	Inflow & Infiltration	Other - Explain in Notes Section	6-Apr-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	7-May-25	8:30AM	11:30AM	7-May-25	3.00	35.1309	-85.0616	8248	Harbor Chase Loop	Ooltewah	TN	94301833-3	Roger's Branch Station	SSO Dry Weather Release	forcemain	9000	TN06020001880_1000	Damaged Pipe	Replaced/repared	Unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced broken pipe
SOP-89044	12-May-25	5:15PM	7:30PM	12-May-25	2.50	35.2325	-85.1509	9607	Dallas Hollow Road	Soddy Daisy	TN	00325-35	Dallas hollow Station	SSO Dry Weather overflow	Pump Station	3750	TN06020001498_1000	Storm Power Outage	Generator	9-May-24	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Power Restored
SOP-89044	12-May-25	5:30PM	9:00PM	12-May-25	3.50	35.2304	-85.1211	1915	Sequoayah access Road	Soddy Daisy	TN	38	Sequoayah access Station	SSO Dry Weather overflow	Pump Station	7250	Land	Storm Power Outage	Generator	15-Nov-22	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Power Restored
TN0021211	13-May-25	12:00PM	11:30AM	14-May-25	23.50	35.1183	-85.3641	104	Riverpoint Rd	Signal Mtn.	TN	70301-90	SMTP	SSO Wet Weather Release	Manhole	14100	Land	Inflow & Infiltration	Other - Explain in Notes Section	5-May-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	25-May-25	4:30PM	2:00PM	26-May-25	22.50	34.9883	-85.2244	1610	Key West Avenue	East Ridge	TN	356	East Ridge Station	SSO Dry Weather overflow	Manhole	67500	TN06020001007_0510	Blockage	Jetted line	Unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Jetted line
SOP-89044	27-May-25	9:45AM	10:00AM	28-May-25	24.25	34.9883	-85.2244	1610	Key West Avenue	East Ridge	TN	356	East Ridge Station	SSO Dry Weather overflow	Manhole	72750	TN06020001007_0510	Line Collapsed	Replaced/repared	26-May-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced collapsed section of mainline
TN0021211	28-May-25	8:00AM	8:30AM	30-May-25	48.50	35.1183	-85.3642	104	Riverpoint Rd	Signal Mtn.	TN	70301-91	SMTP	SSO Wet Weather Release	Manhole	227344	SHOAL CREEK	Inflow & Infiltration	Other - Explain in Notes Section	13-May-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	9-Jun-25	12:45PM	2:30PM	9-Jun-25	2.25	34.9992	-85.2330	1127	McBrien Road	East Ridge	TN	1220	East Ridge Station	SSO Dry Weather Release	Manhole	6750	Land	Blockage	Jetted line	Unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Jetted line
SOP-89044	14-Jun-25	1:00PM	3:45PM	14-Jun-25	2.75	35.0080	-85.2408	602	Melville Lane	East Ridge	TN	08330-602	East Ridge Station	SSO Dry Weather Release	Cleanout	825	Land	Blockage	Jetted line	Unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Jetted line
SOP-89044	28-Jun-25	4:45PM	9:45AM	29-Jun-25	16.00	35.1286	-85.1110	6957	Mercedes Lane	Ooltewah	TN	CO19330-07	Lee Hwy Station	SSO Dry Weather Release	Low-pressure Mainline	960	Land	Damaged Pipe	Replaced/repared	Unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced broken pipe



## **3.0 Signal Mountain WWTP**

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### **3.1 Bypass Events**

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

Table 3-1  
Prohibited Bypasses at Signal Mountain WWTP (April 16, 2025 - July 15, 2025)

Permit Number	Date Overflow or Release Began	Estimated Start Time	Estimated End Time	Date Overflow or Release Ended	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 ( <a href="http://tdeconline.tn.gov/dwr">http://tdeconline.tn.gov/dwr</a> )	Primary Cause of Event	Primary Corrective Action Taken	Date of Last SSO at Same Point	Estimated Impact on Health & Water Quality (Minimal, Moderate or Major)	Steps Taken to Clean up SSO	List of Notifications to the Public	Notes
TN0021211	24-Apr-25	4:15PM	12:30PM	26-Apr-25	44.3	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	914700	TN06020001001_1000	Inflow & Infiltrator	Other - Explain in Notes Section	06-Apr-25	Minimal	Signal Mountain Remediation Project	(Will begin once the Filtration system is implemented.)	A plan is in development to correct I/I.
TN0021211	2-May-25	8:00PM	7:00AM	6-May-25	83.0	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	3195039	TN06020001001_1000	Inflow & Infiltrator	Other - Explain in Notes Section	24-Apr-25	Minimal	Signal Mountain Remediation Project	(Will begin once the Filtration system is implemented.)	A plan is in development to correct I/I.
TN0021211	12-May-25	7:40AM	11:15AM	18-May-25	147.5	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	2698798	TN06020001001_1000	Inflow & Infiltrator	Other - Explain in Notes Section	02-May-25	Minimal	Signal Mountain Remediation Project	(Will begin once the Filtration system is implemented.)	A plan is in development to correct I/I.
TN0021211	28-May-25	2:00AM	2:00PM	31-May-25	84.0	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	2055458	TN06020001001_1000	Inflow & Infiltrator	Other - Explain in Notes Section	12-May-25	Minimal	Signal Mountain Remediation Project	(Will begin once the Filtration system is implemented.)	A plan is in development to correct I/I.
TN0021211	7-Jun-25	5:25PM	10:45PM	7-Jun-25	5.3	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Other - Explain in Notes Section	111985	TN06020001001_1000	Inflow & Infiltrator	Other - Explain in Notes Section	07-Jun-25	Minimal	Signal Mountain Remediation Project	(Will begin once the Filtration system is implemented.)	A plan is in development to correct I/I.

## **Appendix A – WWTa Letter**



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November 8, 2024

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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

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