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**Michael C. Patrick**  
**Executive Director**

November 14, 2025

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

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

The Hamilton County WWTA has completed Quarterly Report No. 5 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 July 16, 2025, through October 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 delivered to the Public Document Repository at the Chattanooga-Hamilton County Library as of November 14, 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,

A handwritten signature in blue ink that reads "Michael C. Patrick".

Michael Patrick, P.E.  
Executive Director

HCWWTA Quarterly Report No. 5

Enclosure

cc:

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# Quarterly Report No. 5

## July 16, 2025 – October 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  
Chattanooga, TN 37402  
11/10/2025



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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

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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. 5 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 July 16, 2025, through October 15, 2025, WWTA experienced the sanitary sewer overflows (SSOs) listed in Table 2-1.

**Table 2-1**  
Quarterly SSO Report (July 16, 2025 - October 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	7/30/2025	18:30	9:45	7/31/2025	15.15	35.12860447026107	-85.1110	6957	Mercedes Ln	Ooltewah	TN	CO19330-07	HWY 58 Station	SSO Dry Weather Release	low-pressure line	915 Gals.	Land	Broke fitting	repaired	29-Jun-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced/Repaired line/fitting
SOP-89044	7/30/2025	22:00	1:45	7/31/2025	3.75	35.09272786522649	-85.05733734232788	9200	Amos Road	Ooltewah	TN	13329-01	East Amos Rd. Station	SSO Dry Weather overflow	MH	33,750 Gals.	Rogers Branch from Chickamauga Reservoir to headwaters (TN06020001880_1000)	power outage	Generator	9-Jan-24	Minimal	Washed & Vaced Inhouse	Sign displayed at location	
SOP-89044	7/30/2025	22:45	23:30	7/30/2025	0.75	35.09684182574386	-85.05980479940568	9125	Amos Road	Ooltewah	TN	86308-09	Amos Rd. Station	SSO Dry Weather overflow	MH	6,750 Gals.	Rogers Branch from Chickamauga Reservoir to headwaters (TN06020001880_1000)	power outage	Generator	10-May-24	Minimal	Washed & Vaced Inhouse	Sign displayed at location	
SOP-89044	7/31/2025	16:15	18:00	7/31/2025	1.75	34.99026467747755	-85.20709914603272	6511	SLATER RD	East Ridge	TN	2182	East Ridge Station	SSO Dry Weather Release	low-pressure fitting	525 Gals.	Land	Blockage	jetted line	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	SSO Dry Weather - Removed Blockage
SOP-89044	8/8/2025	16:30	19:30	8/8/2025	3.00	35.129062852034146	-85.1104	6319	Seedling Lane	Ooltewah	TN	CO19330-06	HWY 58 Station	SSO Dry Weather Release	MH	900 Gals.	Land	broke cleanout fitting	repaired	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	8/12/2025	18:00	2:00	8/13/2025	6.00	34.991741849163546	-85.10268726560669	9692	Pecan Springs Cir.	East Brainard	TN	05307-13	Hurricane Creek Station	SSO Wet Weather overflow	MH	9,000 Gals.	TN06020001007_0400	Weather I&I	Other - Explain in Notes Section	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	8/12/2025	19:00	0:45	8/13/2025	5.75	35.09270152949088	-85.05726224047547	9200	Amos Road	Ooltewah	TN	13329-02	Amos Rd. Station	SSO Wet Weather overflow	MH	43,395 Gals.	TN06020001880_1000	Weather I&I	Other - Explain in Notes Section	9-Jan-24	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	8/12/2025	19:30	2:00	8/13/2025	6.50	34.99819135497653	-85.09794136190185	1702	Buttonwood Loop	East Brainard	TN	17330-02	Hurricane Creek Station	SSO Wet Weather Release	MH	3,900 Gals.	Land	Weather I&I	Other - Explain in Notes Section	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	8/12/2025	23:45	1:15	8/13/2025	1.50	35.130718653033135	-85.043740374205	7526	Ooltewah-Georgetown Rd.	Ooltewah	TN	06312-A1	Green Gap Station	SSO Wet Weather overflow	MH	7,031 Gals.	TN06020001020T_0999	Weather I&I	Other - Explain in Notes Section	4-May-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	8/12/2025	9:45		8/13/2025	0.00	35.01275803095781	-85.25380361719667	3501	Maple Lane	East Ridge	TN	1336A	East Ridge Station	SSO Wet Weather Release	cleanout	300 Gals.	Land	Weather I&I	Other - Explain in Notes Section	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	8/12/2025	20:30	14:45	8/13/2025	18.25	34.99869839052789	-85.25283186137695	1031	Hibbler Cir.	East Ridge	TN	1632	East Ridge Station	SSO Dry Weather Release	Building	5,475 Gals.	Land	blockage	Jetted line	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced broken pipe
SOP-89044	8/12/2025	17:00	20:00	8/12/2025	3.00	35.0079545	-85.24092910000002	602	Melville Ave.	East Ridge	TN	157P P 003	East Ridge Station	SSO Wet Weather Release	MH	900 Gals.	Land	Weather I&I	Other - Explain in Notes Section	14-Jun-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Power Restored
SOP-89044	8/19/2025	10:30	13:00	8/19/2025	3.50	35.110370726608856	-85.09065552327878	6357	Veronica Dr	Ooltewah	TN	01309-D17	Shorttail Springs Station	SSO Dry Weather Release	Pump Station	1,050 Gals.	Land	blockage/roots	removed roots from manhole	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Power Restored
SOP-89044	8/21/2025	7:45	9:00	8/21/2025	1.25	35.30645247168696	-85.14613817378846	12101	Posey Hollow Road	Soddy Daisy	TN	98325-1	Posey Hollow Station	SSO Dry Weather Release	MH	750 Gals.	Land	lightning strike	Repaired	16-Mar-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Jetted line
SOP-89044	8/27/2025	17:30	20:45	8/27/2025	3.25	35.009382699709136	-85.26356209391783	828	Summit Avenue	East Ridge	TN	3004	East Ridge Station	SSO Dry Weather Release	MH	195 Gals.	Land	blockage	Jetted line	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced collapsed section of mainline
SOP-89044	8/27/2025	15:00	19:45	8/27/2025	4.75	34.99518968463922	-85.2583748674591	1203	Laredo Avenue	East Ridge	TN	2052	East Ridge Station	SSO Dry Weather Release	Valve	2,850 Gals.	Land	blockage	Jetted line	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	A plan is in development to correct I/I.
SOP-89044	8/27/2025	14:30	8:30	8/28/2025	18.00	34.99297106419983	-85.386275316008	2937	GORDON RD	Chattanooga	TN	930	connection to the City of Chattanooga	SSO Dry Weather Release	Pipe	540 Gals.	Land	Broke fitting	Repaired	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Jetted line
SOP-89044	8/29/2025	10:00	13:30	8/29/2025	3.50			7984	Giorgio Cir.	Ooltewah	TN	04307LP2270	Snowhill Rd. Station	SSO Dry Weather Release	04307LP2270	1,050 Gals.	Land	Damaged by contractor	repaired	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Jetted line
SOP-89044	9/4/2025	18:00	19:30	9/4/2025	1.50	35.15311680287089	-85.0496557883606	8370	GRACIE MAC LN	Ooltewah	TN	05319-99	Georgetown Landing Station	SSO Dry Weather Release	MH	450 Gals.	Land	Operator Error	Re-Training.	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced broken pipe
SOP-89044	9/7/2025	20:30	8:15	8/7/2025	12.25	35.007206810608565	-85.19018207070845	6615	Jordon Run	East Ridge	TN	3286X	connection to the City of Chattanooga	SSO Dry Weather Release	MH	735 Gals.	Land	blockage	opened line	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Jetted line
TN0021211	9/25/2025	10:00	13:30	9/25/2025	3.50	35.15178970552339	-85.33407992460631	15	Ridgerock Drive(easement)	Signal Mt.	TN	8037	Signal Mt. Treatment Plant	SSO Dry Weather Release	Pipe	2,100 Gals.	Land	broke fitting	repaired	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced broken pipe
SOP-89044	9/30/2025	11:00	10:30	10/1/2025	23.50	35.130066747350874	-85.05497571349181	7329	McDaniel Lane	Ooltewah	TN	LP21307-03D	Roy Ln. Station	SSO Dry Weather Release	Pipe	2,820 Gals.	Land	broke fitting	repaired	unknown	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced broken pipe
TN0021211	10/6/2025	8:30	13:00	13:00	4.50	35.15178970552339	-85.33407992460631	15	Ridgerock Drive(easement)	Signal Mt.	TN	8037	Signal Mt. Treatment Plant	SSO Dry Weather Release	broke fitting	270 Gals.	Land	broke fitting	repaired	25-Sep-25	Minimal	Washed & Vaced Inhouse	Sign displayed at location	Replaced broken pipe
SOP-89044	10/8/2025	11:30	12:30	12:30	1.00	35.11476672818303	-85.04434550978696	7024	OOLTEWAH GEORGETOWN RD	Ooltewah	TN	730111752	Roger's Branch Station	SSO Dry Weather overflow	Broke pipe	1,500 Gals.	TN06020001880_1000	Broke pipe	repaired	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 July 16, 2025, through October 15, 2025, the Signal Mountain WWTP experienced bypasses as listed in Table 3-1.

**Table 3-1**

Prohibited Bypasses at Signal Mountain WWTP (July 16, 2025 - October 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	Notes
TN0021211	13-Aug-25	11:45AM	2:00PM	13-Aug-25	2.25	35.1056	-85.3595	1701	Suck Creek Rd	Chattanooga	TN	TN0021211	None	Bypass	Partial Secondary Treatment	29198	TN06020001001_1000	Inflow & Infiltration	Other - Explain in Notes Section	A plan is in development to correct I/I.

## **Appendix A – WWTA Letter**



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**Michael C. Patrick**  
Executive Director

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

cc:

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