

Clean Water 2020 Program

CONSENT DECREE QUARTERLY REPORT

April 1, 2025 – June 30, 2025



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Section 1 Introduction

1.1 Summary of Reporting Requirements

On May 21, 2014, the City of Columbia (City) entered into a Consent Decree (CD) with the United States Environmental Protection Agency (EPA), the United States Department of Justice (DOJ) and the South Carolina Department of Health and Environmental Control (now known as the South Carolina Department of Environmental Services and hereinafter referred to as SCDES). To fulfill the reporting requirements as defined in Section IX.39.a of the CD, the City has prepared this *Quarterly Report* that includes the following information (as excerpted from the CD):

1. A description of all projects and activities conducted during the most recently completed calendar quarter to comply with the requirements of this Consent Decree, in Gantt chart or similar format. This description shall include completion percentages of early action capital improvement projects under Paragraph 10, continuing sewer assessments under the CSAP, and the subsequent remedial actions under the IR Report;
2. The date, time, location, source, duration, estimated volume, receiving water (if any), cause, and actions taken to repair or otherwise resolve the cause of all SSOs for the most recently completed quarter in a tabulated electronic format;
3. The anticipated projects and activities that will be performed in the next quarter to comply with the requirements of this Consent Decree, in Gantt chart or similar format;
4. Any additional information that demonstrates that Columbia is implementing the remedial measures required in this Consent Decree

1.2 Report Organization

This Quarterly Report is organized as follows:

Section 1 – Introduction

This section includes a summary of the reporting requirements and describes the report organization.

Section 2 – Schedule of Projects and Activities

This section addresses the requirements of Sections IX.39.a.(i) and IX.39.a.(iii) of the Consent Decree. The section includes the projects and activities conducted during the most recently completed calendar quarter to comply with the requirements of the CD as well as the anticipated projects and activities that will be performed in the next quarter to comply with the requirements of the CD. A Gantt chart schedule of these activities is provided and includes completion percentages of remedial actions under the IR Report, as applicable.

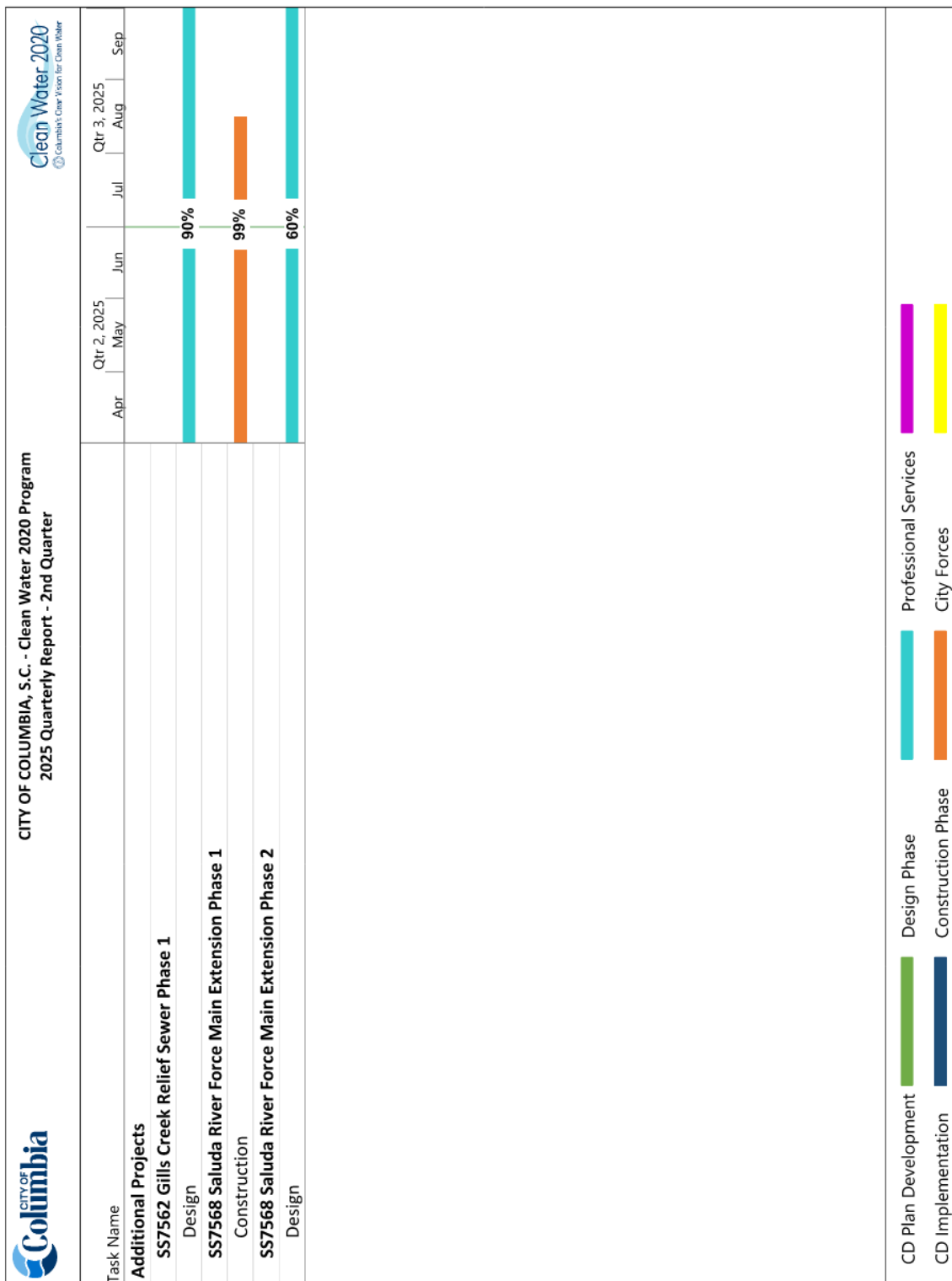
Section 3 – Additional Information Demonstrating Implementation of Consent Decree Requirements

This section addresses the requirements of Section IX.39.a.(iv) of the Consent Decree and includes additional information that demonstrates that Columbia is implementing the remedial measures required in the CD. Information supplemental to that which is provided in Section 2 is provided in this section.

Section 4 – Quarterly SSO Report

This section addresses the requirements of Section IX.39.a.(ii) of the Consent Decree and provides a tabular listing of sanitary sewer overflows (SSOs). The table includes the date, time, location, source, duration, estimated volume, receiving water (if any), cause, and actions taken to repair or otherwise resolve the cause of all SSOs that occurred during the most recently completed calendar quarter.





Section 3 Additional Information Demonstrating Implementation of Consent Decree Requirements

In accordance with Section IX.39.a.(iv) of the CD, the following section provides additional information that demonstrates that the City is implementing the remedial measures required in the CD.

3.1 Capacity Assurance Program

In accordance with the requirements of Paragraph V.12.e of the CD, the City is to submit to EPA and SCDES for review, comment, and approval a Capacity Assurance Program (CAP). The CAP was submitted to EPA and SCDES on September 30, 2024. The City is awaiting EPA and SCDES review and approval of the CAP.

3.2 Infrastructure Rehabilitation Report (IRR) for the WCTS

In accordance with Section V.16 of the CD, the City shall submit an Infrastructure Rehabilitation Report (IRR) summarizing the results of the CSAP of the major components of the WCTS and a description of proposed rehabilitation projects. The IRR was submitted to EPA and SCDES on November 22, 2019. The City received final approval of the IRR from EPA and SCDES on March 18, 2025.

Completion percentages of IRR-required projects currently in progress are below. The list omits projects previously included in past Quarterly Reports which were identified in the normal course of operations and maintenance but are not required by the IRR.

- SS7301 Bull Street – Construction in Progress; a completion percentage cannot be provided due to a varying scope of work and timeline for this project.
- SS7331 Upper Kinley Creek Sewer Improvements Phase 1 – Construction 99% Complete
- SS733701 East Rocky Branch Improvements Phase 1 – Design 98% Complete
- SS735003 Crane Creek Lower North Branch Capacity Upgrade Phase 1 – Construction 99% Complete
- SS753902 CIPP Major Pipe Rehabilitation – Design 95% Complete
- SS753903 Geopolymer Major Pipe Rehabilitation – Design 95% Complete
- SS753904 Pipe Bursting Major Pipe Rehabilitation – Design 95% Complete
- SS7565 Lower Kinley Creek Sewer Improvements – Construction 45% Complete
- SS7589 Broad River Force Main Replacement and Gravity Sewer Capacity Improvements – Design 95% Complete

3.3 Supplemental Infrastructure Rehabilitation Report (SIRR) for the WCTS

In accordance with Section V.16.c of the CD, the City shall submit a Supplemental Infrastructure Rehabilitation Report (SIRR) which shall update all portions of the IRR to reflect additional information developed by the City through completion of the CSAP of the minor components of the WCTS. The SIRR was submitted to EPA and SCDES on November 22, 2022. The City received final approval of the SIRR from EPA and SCDES on March 18, 2025.

Completion percentages of SIRR-required projects currently in progress are below. The listing omits projects previously included in past Quarterly Reports which were identified in the normal course of operations and maintenance but are not required by the SIRR.

- SS6786 Annual Gravity Sewer Manhole Lining and Replacement – FY2024 Construction 90% Complete
- SS6786 Annual Gravity Sewer Manhole Lining and Replacement – FY2025 Construction 75% Complete
- SS6911 Sanitary Sewer Root Control – FY2025 Construction 100% Complete
- SS6911 Sanitary Sewer Root Control – FY2026 Construction 0% Complete
- SS6966 Annual Rehab on Lines less than 15" – FY2025 Construction 100% Complete
- SS6966 Annual Rehab on Lines less than 15" – FY2026 Construction 0% Complete
- SS7435 Wexford and Windsong Lift Stations Evaluation and Rehabilitation Project – Construction 100% Complete
- SS7437 Miscellaneous Lift Station Improvements and Backup Power Addition – Construction 70% Complete
- SS7462 Investigation of Crockett Road, Atlas Road and Versch Lock Lift Stations – Design 85% Complete
- SS7464 Sewer System Evaluation Study and Sewer Rehabilitation Implementation CC02 and CC04 – Construction 95% Complete
- SS7497 Mill Creek PS Miscellaneous Improvements – Design 99% Complete
- SS7554 Harbison #4 Pump Station Improvements and Force Main Replacement – Design 30% Complete
- SS7583 SR02 and BR04 Engineer Led Find and Fix Rehabilitation – Construction 99% Complete
- SS7604 Continuing Sewer Assessment Program Preventative Maintenance – FY2025 Construction 75% Complete
- SS7604 Continuing Sewer Assessment Program Preventative Maintenance – FY2026 Construction 0% Complete
- SS7657 Colonial Life Force Main Replacement – Design 0% Complete

3.4 Additional Projects

At the request of EPA, the City is providing progress updates on the following four Additional Projects:

- SS733701 East Rocky Branch Improvements Phase 1
- SS7589 Broad River Force Main Replacement and Gravity Sewer Capacity Improvements
- SS7562 Gills Creek Relief Sewer Phase 1
- SS7568 Saluda River Force Main Extension (Phases 1 & 2)

Completion percentages of these projects are as follows:

- SS733701 East Rocky Branch Improvements Phase 1 – Design 98% Complete
- SS7589 Broad River Force Main Replacement and Gravity Sewer Capacity Improvements – Design 95% Complete
- SS7562 Gills Creek Relief Sewer Phase 1 – Design 90% Complete
- SS7568 Saluda River Force Main Extension Phase 1 – Construction 99% Complete
- SS7568 Saluda River Force Main Extension Phase 2 – Design 60% Complete

Section 4 Quarterly SSO Report

In accordance with Section IX.39.a.(ii) of the CD, the City is to provide a list of all SSOs that occurred during the reporting period in a tabular format along with information on the date, time, location, source, duration, estimated volume, receiving water, cause, and actions taken to resolve the SSO.

Table 1 – SSO Report, 2nd Quarter 2025

City of Columbia, SC Quarterly SSO Listing 2nd Quarter 2025									
Date	Time	Location	Source	Date of Corrective Action	Time of Corrective Action	Estimated Volume (gallons)	Receiving Water (if any)	Cause	Actions Taken
4/5/2025	17:30	210 Montadale Dr, Columbia, SC 29209	Cleanout	4/15/2025	15:00	29		Roots	Washed Service Line To Remove Stoppage And Resume Normal Flow. Service Lateral
4/15/2025	13:49	226 Lakeridge Pkwy, Columbia, SC 29203	Manhole	4/29/2025	16:00	35627	Swamp Feeding Crane Creek	Debris	Washed Main Line To Remove Stoppage And Resume Normal Flow. Main Line Construction.
4/22/2025	15:40	932 Old Oak Dr, Columbia, SC 29203	Manhole	4/22/2025	18:00	1500	Creek	Debris	Washed Main Line To Remove Stoppage And Resume Normal Flow.
4/23/2025	08:06	932 Old Oak Dr, Columbia, SC 29203	Manhole	4/23/2025	11:00	1910	Unnamed Creek Feeding Crane Creek	Debris	Washed Main Line To Remove Stoppage And Resume Normal Flow.
4/23/2025	18:40	104 Beaverbrook Rd, Columbia, SC 29203	Cleanout	4/24/2025	14:00	28		Collapsed Line	Washed Service Line To Remove Stoppage And Resume Normal Flow. Emergency Service Lateral Point Repair.
4/24/2025	13:20	108 Greystone Blvd, Columbia, SC 29210	Cleanout	5/20/2025	12:30	25		Roots	Washed Service Line To Remove Stoppage And Resume Normal Flow. Service Lateral
4/24/2025	20:30	145 Woodvale Cir, Columbia, SC 29203	Manhole	4/24/2025	21:00	1297	Stream Feeding Crane Creek	Grease	Washed Main Line To Remove Stoppage And Resume Normal Flow.
4/28/2025	18:00	2137 Apple Valley Rd, Columbia, SC 29210	Cleanout	5/21/2025	14:00	32		Debris	Washed Service Line To Remove Stoppage And Resume Normal Flow. Service Lateral
5/9/2025	02:00	5178 Bluff Rd, Columbia, SC 29209	Manhole	5/9/2025	05:00	350000	Reeder Point Branch Creek	Pump Station Failure	Pumps Reset And Turned Pumps On.
5/12/2025	08:40	850 Gracern Rd, Columbia, SC 29210	Manhole	N/A		14358	Unnamed Tributary Feedin Saluda River	Wet Weather	Wet Weather - Observation Only.
5/12/2025	09:40	212 Walnut Ln (7581 Irmo Road)	Pump Station	6/9/2025	12:00	750	Storm Drain	Pump Station Failure	Deployed Bypass Pump. Repaired Pump.
5/16/2025	10:30	421 Arrowwood Rd, Columbia, SC 29210	Other	5/16/2025	11:40	45	Storm Drain	Force Main	Used Vac Truck To Vac Out Manhole And Resume Normal Flow. ARV Replacement.
5/18/2025	20:00	2006 Harden St, Columbia, SC 29204	Cleanout	5/18/2025	21:00	118	Storm Drain	Debris	Washed Service Line To Remove Stoppage And Resume Normal Flow.
5/21/2025	10:00	220 Banbury Rd, Columbia, SC 29210	Manhole	5/21/2025	10:30	750	Storm Drain	Debris	Washed Main Line To Remove Stoppage And Resume Normal Flow.
5/22/2025	17:45	927 Columbia College Dr, Columbia, SC 29203	Cleanout	6/9/2025	14:00	19		Roots	Root Cut Service Line To Remove Stoppage And Resume Normal Flow. Service Lateral
5/27/2025	09:30	7317 Fontana Dr, Columbia, SC 29209	Cleanout	5/27/2025	10:46	8		Debris	Washed Service Line To Remove Stoppage And Resume Normal Flow.
6/3/2025	16:00	1004 Craven St, Columbia, SC 29203	Cleanout	9/3/2025	16:30	202		Grease	Washed Service Line To Remove Stoppage And Resume Normal Flow.
6/8/2025	08:50	520 Sail Point Way, Columbia, SC 29212	Manhole	6/8/2025	09:00	500	Lake Murray	Equipment Failure	Restore Power. Power Restored.
6/9/2025	10:10	133 Aberdeen Ave, Columbia, SC 29203	Cleanout	6/24/2025	12:30	13		Roots	Root Cut Service Line To Remove Stoppage And Resume Normal Flow. Service Lateral
6/9/2025	11:45	1129 Chartel Cir, Columbia, SC 29203	Cleanout	6/9/2025	12:30	10		Debris	Washed Service Line To Remove Stoppage And Resume Normal Flow.
6/10/2025	03:30	1200 Simmon Tree Lane, Columbia, SC 29201	Other	6/10/2025	07:00	4223	Onsite Storm Drain	Treatment Plant	Turn Off Secondary IPS Pump. Opened Second IPS Gate.
6/14/2025	00:30	1806 Blossom St, Columbia, SC 29201	Manhole	N/A		16		Wet Weather	Wet Weather - Observation Only.
6/17/2025	18:30	2040 Haverford Cir, Columbia, SC 29203	Cleanout	7/2/2025	14:30	38		Collapsed Line	Washed Service Line To Remove Stoppage And Resume Normal Flow. Service Lateral Point Repair.
6/18/2025	13:05	1034 Coatesdale Rd, Columbia, SC 29209	Manhole	6/18/2025	13:10	105		Debris	Washed Main Line To Remove Stoppage And Resume Normal Flow.
6/20/2025	12:50	300 S Highland Forest Dr, Columbia, SC 29203	Manhole	7/2/2025	15:00	56		Collapsed Line	Washed Main Line To Remove Stoppage And Resume Normal Flow. Main Line Repair.

As noted in Section IV.8.a of the CD, a Building Backup is defined as a release of wastewater into a building or onto private property that is caused by blockages, flow conditions, or other malfunctions in the WCTS.

Separate from the SSO listing provided in Table 1 above, the following table identifies building backups within the City’s system for the current reporting period.

Table 2 – Building Backup Report, 2nd Quarter 2025

City of Columbia, SC Quarterly Building Backup Listing 2nd Quarter 2025									
Date	Time	Location	Source	Date of Corrective Action	Time of Corrective Action	Estimated Volume (gallons)	Receiving Water (if any)	Cause	Actions Taken
6/13/2025	01:00	3000 Rosewood Dr, Columbia, SC 29205	City	6/14/2025	06:00	2375		Debris	Washed Main Lines To Resume Service.