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MARK K. PAPKE, PE, CPESC
City Engineer

Via Electronic Mail

January 31, 2024

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RE: DJ #90-5-1-1-08725/1 (City of Lakewood, OH0026018)

Subject: City of Lakewood's Semi-Annual Report, Reporting Period July 1, 2023 – December 31, 2023.

Dear Regulators:

Enclosed please find the City of Lakewood's Semi-Annual Report pursuant to Section VIII of the Consent Decree lodged in October 2022 with the Northeast Ohio District Court, Case No. 1:22-cv-01964, by the United States and the State of Ohio, which was approved by the Court January 31, 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 gather the 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.

Please contact me if you have any questions or require further information at this time.

Sincerely,

THE CITY OF LAKEWOOD OHIO



Mark K. Papke, PE, CPESC
City Engineer

Copy to: Lakewood Director of Law via email: Law@lakewoodoh.net

In October 2022, the United States and the State of Ohio lodged a Consent Decree (CD) regarding the City of Lakewood’s sewer system. The CD requires Lakewood to submit semi-annual reports to U.S. Environmental Protection Agency (EPA) and Ohio EPA by January 31 and July 31, for the prior six months. The report must contain all information necessary to determine Lakewood’s compliance with its CD requirements.

I. SEMI-ANNUAL REPORT REQUIREMENTS

The CD requirements for the Semi-Annual Report are summarized in Table 1 along with their reference sections.

Table 1. Lakewood’s Semi-Annual Report Requirements	
CD Section Reference	Reporting Requirements
Section VIII ¶ 37.a	A description of the projects and activities conducted during the reporting period to comply with the requirements of this Decree, a projection of work to be performed pursuant to this Consent Decree during the next reporting period, a table showing the approved projects from the IWWIP (including the project number, short description, projected and actual dates of all items listed in the implementation schedule column of Appendix A of this Consent Decree), and notice of any anticipated failures to meet future requirements of the Consent Decree or approved plans.
Section VIII ¶ 37.b	Information that Lakewood obtained or received (<i>e.g.</i> , customer complaints) regarding discharges from private Connection laterals, including any information received specifying the location of the discharge, and a description of the circumstances of the discharge.
Section VIII ¶ 37.c	A description of any non-compliance with the requirements of this Consent Decree and an explanation of the violation’s likely cause and of the remedial steps taken, or to be taken, to prevent such violation.

II. OVERVIEW OF PROJECTS AND ACTIVITIES CONDUCTED AND PLANNED
a. Activities Conducted Required by the CD

Lakewood completed all required activities in the prior six months in a timely manner. Table 2 outlines the specific CD requirements, section citation, and dates completed or approved by EPA within the reporting period, July 1, 2023 – December 31, 2023.

Table 2. Consent Decree Requirements Completed by Lakewood		
Requirements	CD Citation	Date Submitted
Semi-Annual Report	Section VII.	July 31, 2023

b. Projects Approved from the IWWIP & Projection of Work for Next Reporting Period

The current reporting period covers July 1, 2023 – December 31, 2023. The next reporting period will cover January 1, 2024 – June 30, 2024. Table 3 outlines the outlines the approved projects from the IWWIP and the projection of work for the future reporting period.

Table 3. Approved Projects from IWWIP & Project of Projects					
Project Number	Control Measure	Description	Projected Implementation Schedule	Actual Implementation Schedule	Projected Work for Next Reporting Period
1	High Rate Treatment Facility (HRT)	HRT facility for control of CSO 002	Currently being built. Substantial Completion of Construction: 9/1/22 Achievement of Full Operation: 12/31/24	Substantial Complete of Construction: 4/14/2022 (Note that Semi-Annual Report submitted October 14, 2022 to Erm Gomes). Lakewood began shakedown and operational integration with plant.	Projected to continue working through optimization and plant integration throughout the next reporting period. Provide required reporting to Erm Gomes.
2	052 Storage	Design and construct storage for CSO 052 and aerial sewer to above ground storage at WWTP	Complete Design: 6/1/25 Initiate Construction: 6/1/26 Substantial Completion of Construction: 12/31/28 Achievement of Full Operation: 12/31/2030	Final Design and permitting underway.	Continuation of Final Design and permitting.

3	059 Storage	Evaluate land use requirements, Design and construct storage for CSO 059 and related interceptor overflow storage facilities	<p>Complete Design: 12/31/28</p> <p>Initiate Construction: 6/1/30</p> <p>Substantial Completion of Construction: 12/31/31</p> <p>Achievement of Full Operation: 7/1/2033</p>	Completed additional survey work and lot split for Planning Commission approval. Relocated utilities water and sewer utilities.	Lot split moving forward to Planning Commission for approval.
4	Pipe lining and replacements	Completed with annual watermain replacements, as necessary and hydraulically feasible		See Additional Activities specified below	See Projected Additional Activities specified.

Additional activities completed between July 1, 2023 – December 31, 2023 include,

- **2022 Watermain Replacement and Sewer Improvements Andrews/Gladys** – CIPP line the under sewer on Andrews and Gladys. CIPP line select under sewer laterals on Andrews. Installed storm water detention for the southern section of Andrews. Completed site restoration (paving, tree lawns, etc.) for both streets with exception to southern section of Andrews.
- **2023 Watermain and Sewer Improvements Parkwood, Reveley, and Elmwood** – Held public informative meeting on October 4, 2023. Developed project specific website and updates can be found at <https://www.lakewoodoh.gov/elmwood-reveley-parkwood-project/>. Installed watermains and began sewer point repairs on both Elmwood and Reveley.
- **2024 Watermain and Sewer Improvements Glenbury, Mars and Marlowe** – 95% plan set completed.
- **Lewis Sewer Improvements** – Completed the plans, specifications, and estimate. Obtained Ohio EPA Permit to Install for the project.
- **Interceptor Rehabilitation** – Heavy cleaning and templating of interceptor completed for approximately 75% of the entire interceptor length. Shaft #1 – installed, 370 feet slip lined and grouted, and site restored. Shafts #2, 3, 4, 11A and 12 are excavated. Repaired collapsed section at Clifton and West Clifton. Slip lined 1,200 feet out of Shaft #3. Utility relocations ongoing at remaining shaft sites. Project progress can be found at <https://www.lakewoodoh.gov/lakewood-interceptor/>.
- **Employee Training** – The City along with Cuyahoga County Board of Health held three (3) storm water training sessions with appropriate city personnel on December 12, 2023.

Projected additional activities for the reporting period January 1, 2024 - June 30, 2024 include,

- **2022 Watermain Replacement and Sewer Improvements Andrews/Gladys** – Complete site restoration southern section of Andrews (paving, tree lawns, etc.). Begin post-construction monitoring for Andrews.
- **2023 Watermain and Sewer Improvements Parkwood, Reveley, and Elmwood** – Continue with watermain installation and service connections for all three streets. Begin IWWIP improvements on Parkwood (manhole separations, new laterals and CIPP line under sewer). CIPP line under sewer for Reveley and Elmwood.
- **2024 Watermain and Sewer Improvements Glenbury, Mars and Marlowe** – Complete design. Bid and award construction contract. Public informative meeting to be held prior to construction. Develop project specific website. Construction to begin as construction materials are available.
- **Lewis Sewer Improvements** – Bid and award construction contract. Public informative meeting to be held prior to construction. Develop project specific website. Construction to begin as construction materials are available and utilities are relocated.

- **Interceptor Rehabilitation** – Continue heavy cleaning and templating of interceptor for remaining 25%. Continue utility relocations and installation of shafts. Continue sliplining, grouting and site restoration as work is completed.
- **Bunts Road Rehabilitation** – Begin design process and associated IWWIP improvements.
- **2025 Watermain Replacement (Northland and Norton)** - Begin design process and associated IWWIP improvements.

c. Notice of Anticipated Failures

Lakewood does not anticipate any failures in meeting the requirements of the CD for the coming reporting period, January 1, 2024 – June 30, 2024.

PRIVATE DISCHARGES

Lakewood is required to submit to Ohio EPA an annual report on discharges and backups on private property. This report covers the relevant reporting period and is attached as Attachment A.

Complaints

- Stanley/Ferry Cap and Screw

Ohio EPA NEDO received a complaint of illegal dumping into a storm sewer. Their investigation revealed that the subject area is connected to the combination sewer system. Ohio EPA’s Laura Shriver and Patrick Slattery performed a site investigation and determined that no further action is necessary and provided manufacturer recommended best management practices regarding the handling of solids and liquids.

- 13514 Edgewater (LEWS 1080)

Complaint received regarding discharge of sewage to the lake via a boat. City followed up with complainant and found that complainant was unable to provide specific information to investigate. Cuyahoga County Board of Health annual IDDE had sampling and testing of discharge for the outfall during dry weather screening which exceeds the thresholds. City is in process of tracing discharge when weather conditions are conducive.

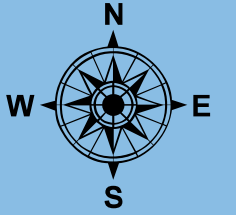
III. NON-COMPLIANCE

The City of Lakewood has met all requirements for the July 1, 2023 – December 31, 2023 reporting period related to IWWIP projects.

Water In Basement Occurrences - Data Entry Spreadsheet

Permit Number	3PE00004*SD
Facility Name	City of Lakewood
Reporting Period	
From	7/1/2023
To	12/31/2023

Sewershed	WIB Occurrences	Causes (choose all that apply)	Other Cause Description
One	0	Other Blockages	
One	5	Roots	
One	2	Grease	
One	4	Debris in Line	
One	1	Line Deterioration	
One	34	Extreme Weather	
Two	2	Other Blockages	wipes
Two	4	Roots	
Two	0	Grease	
Two	5	Debris in Line	
Two	2	Line Deterioration	
Two	16	Extreme Weather	
Three	1	Other Blockages	wipes
Three	7	Roots	
Three	2	Grease	
Three	3	Debris in Line	
Three	2	Line Deterioration	
Three	10	Extreme Weather	
Four	0	Other Blockages	
Four	5	Roots	
Four	1	Grease	
Four	2	Debris in Line	
Four	1	Line Deterioration	
Four	12	Extreme Weather	



SEPTEMBER 2020

