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MARK K. PAPKE, PE, CPESC
City Engineer

Via Electronic Mail

July 31, 2023

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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 January 1, 2023 – June 30, 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, January 1, 2023- June 30, 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 January 1, 2023 – June 30, 2023. The next reporting period will cover July 1, 2023 – December 31, 2023. 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 shakedown 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	Basis of Design report completed.	Meet with Ohio EPA to discuss basis of design. Move forward with final design.

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>	<p>Purchased property at 12984 Lake Avenue adjacent to CSO-059.</p> <p>Performed property boundary and topographic survey. Researched existing utility easements. Located all utilities.</p>	<p>Negotiate access and utility easements with adjacent property owner, perform property appraisal and create utility easements for City Council approval. Perform additional survey work and lot split for Planning Commission approval. Relocate utilities as needed upon obtaining easements.</p>
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 January 1, 2023-June 30, 2023 include,

- **2022 Watermain Replacement and Sewer Improvements Andrews/Gladys** – Andrews Avenue replacement of sewer laterals and manhole separations were completed. Gladys Avenue replacement of sewer laterals completed. Completed installation of watermain and new copper service connections on Andrews and Gladys.
- **2023 Watermain and Sewer Improvements Parkwood, Reveley, and Elmwood** – The project was bid and awarded to DiGioia-Suburban.
- **2024 Watermain and Sewer Improvements Glenbury, Mars and Marlowe** – Euthenics awarded design contract. Surveying, borings, planning and design underway.
- **Lewis Sewer Improvements** – Completed the Basis of Design report and met with Ohio EPA Northeast Ohio District to review basis of design and reach an agreement of phased approach to IWWIP for the project. Began final design process.
- **Interceptor Rehabilitation** – The project was bid and awarded to Nerone & Sons. Utility coordination work underway. Developed website for public outreach (<https://www.lakewoodoh.gov/lakewood-interceptor/>).
- **Employee CD Training** – The City held two (2) consent decree training sessions with appropriate city personnel. Created a consent decree training video and uploaded to the city's NEOGOV site to train new personnel. Provided consent decree training video subconsultants working for the city.

Projected additional activities for the reporting period 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. Complete site restoration (paving, tree lawns, etc.) for both streets. Post-construction monitoring on Andrews to begin if weather is conducive.
- **2023 Watermain and Sewer Improvements Parkwood, Reveley, and Elmwood** – Public informative meeting to be held prior to construction. Develop project specific website. Construction to begin as construction materials are available.
- **2024 Watermain and Sewer Improvements Glenbury, Mars and Marlowe** – Continue design work.
- **Lewis Sewer Improvements** – Complete final design.
- **Interceptor Rehabilitation** – Begin heavy cleaning and templating of interceptor. Begin installation of shafts. Begin sliplining.

c. Notice of Anticipated Failures

Lakewood does not anticipate any failures in meeting the requirements of the CD for the coming reporting period, July, 1, 2023-December 31, 2023.

III. 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.

IV. NON-COMPLIANCE

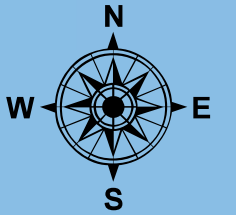
The City of Lakewood has met all requirements for the January 1, 2023-June 30, 2023 reporting period related to IWWIP projects.

It should be noted that the first semi-annual report 01 31 2023 was uploaded to the City's website on July 25, 2023 and can be found at <https://www.lakewoodoh.gov/cleanwaterlakewood/> in the "Semi-Annual Reports" tab.

Water In Basement Occurrences - Data Entry Spreadsheet

Permit Number	3PE00004*SD
Facility Name	City of Lakewood
Reporting Period	
From	1/1/2023
To	6/30/2023

Sewershed	WIB Occurrences	Causes (choose all that apply)	Other Cause Description
One	23	Other Blockages	
One	12	Roots	
One	0	Grease	
One	2	Debris in Line	
One	4	Line Deterioration	
One	0	Extreme Weather	
Two	18	Other Blockages	
Two	17	Roots	
Two	2	Grease	
Two	1	Debris in Line	
Two	3	Line Deterioration	
Two	0	Extreme Weather	
Three	18	Other Blockages	
Three	20	Roots	
Three	0	Grease	
Three	1	Debris in Line	
Three	3	Line Deterioration	
Three	0	Extreme Weather	
Four	14	Other Blockages	
Four	18	Roots	
Four	3	Grease	
Four	1	Debris in Line	
Four	4	Line Deterioration	
Four	0	Extreme Weather	



SEPTEMBER 2020

