

July 5, 2023

Ms. Kristine Wheeler, P.E., Director
Bureau of Water Supply Protection
New York State Department of Health
Corning Tower
Empire State Plaza, Rm 1110
Albany, New York 12237

Emailed To: bpwsp@health.ny.gov

Mr. Jason Hime, P.E.
Suffolk County Department of Health Services
360 Yaphank Avenue, Ste. 1C
Yaphank, New York 11980-9653

Emailed To: Jason.Hime@suffolkcountyny.gov

**Re Greenlawn Water District
1,4-Dioxane MCL Deferral
Quarterly Report – 2nd Quarter 2023
Public Water System ID# NY5103271**

Dear Ms. Wheeler and Mr. Hime:

On behalf of the Greenlawn Water District, our office has prepared the enclosed 1,4-Dioxane MCL Deferral Quarterly Report for the second quarter of 2023 (April 1 through June 30, 2023).

As their record demonstrates, the District has been proactive in addressing the issues of emerging contaminants in their supply wells. However, with the MCL for 1,4-Dioxane established in August 2020, the District did not have sufficient time to implement wellhead treatment at their most threatened wells. The District received an initial deferral for the MCL in effect through August 25, 2022. A request for a one-year renewal was granted, with the deferral now in effect through August 25, 2023.

As requested by the deferral approval, the District provided the residents with a public notice and posted said notice to their website. In addition, this Quarterly Report has been prepared to present the progress the District is making to install treatment systems to remove 1,4-Dioxane. More specifically, this update provides:

- A. A summary of 1,4-Dioxane sampling results for this quarter.
- B. Progress report on 1,4-Dioxane treatment projects and any potential issues that could delay progress in meeting milestone dates presented in the Corrective Action Plan in the original deferral request.

As shown on the enclosed 1,4-Dioxane Water Quality Summary table, during the second quarter of 2023, **all water delivered by the District was below the MCL for 1,4-Dioxane.**

Construction of the new AOP treatment system for Well No. 12 (Project No. 1) is complete and in service. Construction contracts for AOP treatment at Well No. 11 (Project No. 3) were issued a Notice to Proceed in May, with the first phase of work underway. Design work continues to progress for Well No. 8 (Project No. 2) with documents expected to be submitted to the health department in the third quarter.

This Quarterly Report has been posted on the Greenlawn Water District website.
Please contact our office should you have any comments concerning this update.

Very truly yours,

H2M architects + engineers

A handwritten signature in black ink that reads "Michael W. Weber".

Michael W. Weber, P.E.
Assistant Vice President
Department Manager – Water Resources

MWW

Enc.

cc: Board of Commissioners
Supt. Robert Santoriello – eCopy
Frank DeMayo - eCopy
Joshua Mednick, P.E. - eCopy

Greenlawn Water District
PWS ID No. NY5103271
1,4-Dioxane Water Quality Summary



Status as of: April 1 through June 30, 2023
Prepared by: H2M architects+engineers

| Location | Date Sampled | 1,4-Dioxane (µg/L) ⁽¹⁾ | 1,4-Dioxane Treatment in Place (Y/N) | Notes and Comments |
|---|---------------------------|-----------------------------------|--------------------------------------|--------------------|
| Well No. 3 | 5/10/2023 | 0.065 | N | |
| Well No. 4 | 5/10/2023 | 0.16 | N | |
| Well No. 5 | 5/10/2023 | 0.57 | N | |
| Well No. 6 | 5/10/2023 | 0.28 | N | |
| Well No. 8 | 5/10/2023 | ND | N | |
| Well No. 9 | 5/10/2023 | 0.088 | N | |
| Well No. 10 | 5/10/2023 | 0.34 | N | |
| Well No. 11 | 5/11/2023 | 0.81 | N | |
| Well No. 12 | 6/1/2023 | ND | Y | |
| Well No. 13 | 5/11/2023 | 0.12 | N | |
| Well No. 14 | 5/11/2023 | 0.20 | N | |
| Well No. 15 | 5/11/2023 | 0.35 | N | |
| Well No. 17 | 5/11/2023 | 0.15 | N | |
| Well No. 18 | 5/11/2023 | 0.23 | N | |
| Notes: (1) Sample results are of finished water levels. | | | | |
| MCL | Maximum Contaminant Level | Bold results exceed MCL | | |
| NS | Not Sampled | | | |
| ND | Non-Detect | | | |

Water Quality Laboratory Results Attached

Greenlawn Water District
PWS ID No. NY5103271
Project Progress Summary



Status as of: April 1 through June 30, 2023
Prepared by: H2M architects+engineers

| Milestone Description | Original Schedule | Revised Schedule | Completed (Y/N) | Delayed (Y/N) | Notes and Comments |
|---|-------------------|------------------|-----------------|---------------|--|
| Project No. 1 - Plant No. 12 AOP | | | | | |
| Pilot Test | - | - | Y | | Completed prior to deferral request application. |
| Engineering Report | 12/2020 | - | Y | Y | Completed in April 2021. |
| Design Complete | 2/2021 | - | Y | Y | Completed in May 2021. |
| Start Construction | 3/2021 | 8/2021 | Y | Y | Construction started in August 2021. |
| Complete Construction | 3/2022 | 2/2023 | Y | Y | Treatment system is in service. |
| Project No. 2 - Plant No. 8 AOP | | | | | |
| Pilot Test | 1/2021 | 6/2022 | Y | Y | Pilot test exemption report complete. |
| Engineering Report | 3/2021 | 8/2022 | Y | Y | Report endorsed by health department in August 2022. |
| Design Complete | 7/2021 | 6/2023 | N | Y | |
| Start Construction | 9/2021 | 9/2023 | N | Y | |
| Complete Construction | 10/2022 | 10/2024 | N | Y | Expected startup and performance testing in autumn 2024. |
| Project No. 3 - Plant No. 11 AOP | | | | | |
| Pilot Test | 2/2021 | 4/2022 | Y | Y | Pilot test exemption report complete. |
| Engineering Report | 4/2021 | 5/2022 | Y | Y | Report endorsed by health department in August 2022. |
| Design Complete | 8/2021 | 11/2022 | Y | Y | Plans submitted to health department in November 2022. |
| Start Construction | 10/2021 | 5/2023 | Y | Y | Notice to Proceed issued to contractors in May 2023. |
| Complete Construction | 11/2022 | 3/2024 | N | Y | Expected startup and performance testing in spring 2024. |

Potential Issues/Concerns/Delays Explanation:

Project No. 1 is complete, approved to operate, and in service. Health Department approval of the design documents for Project No. 3 is expected shortly. Contractors issued Notice to Proceed to begin the first phase of construction. Design of Project No. 2 continues, with documents expected to be submitted to health department in the third quarter.