

January 7, 2021

Jericho Water District
PWS ID No. NY2902831
MCL Deferral for 1,4-dioxane
Quarterly Report – First Quarter 2021

Introduction

On behalf of the Jericho Water District (JWD or District), D&B Engineers and Architects (D&B) has prepared this document in accordance with the requirements of the New York State Department of Health (NYSDOH) for public water suppliers who have been granted deferrals from maximum contaminant level (MCL) violations for 1,4-dioxane. The District was granted an MCL deferral for 1,4-dioxane in 2020. The JWD was granted a deferral because it has been proactive in its efforts to establish and implement an action plan for managing the above-referenced compounds.

The enclosed is a report describing the JWD's progress towards maintaining the highest quality of water for our customers and meeting the deadlines set forth in the deferral approval. Updated schedules for each project are contained in **Attachment A**.

Corrective Action Plan Milestones

Wells 9 and 14

The Wells 9 and 14 AOP project is currently approaching the end of the design phase, which is expected to be complete by the end of January 2021. The design documents must undergo review by the local and state health departments. Once this review is completed, construction can begin.

This past quarter, the Basis of Design Report (BODR) for this project was submitted to the Nassau County and New York State Departments of Health.

The project is on schedule. Although it has been granted a deferral, the JWD kept the wells entirely out of service during 2020.

Wells 20 and 21

The District is currently in the process of preparing to perform a pilot study for the Wells 20 and 21 project. Following the completion of this report, it is expected that the BODR for this facility will be submitted in the second quarter of 2021.

The project is on schedule. Although it has been granted a deferral, the JWD has been able to avoid or minimize the usage of this well during the period of this report.

Well 22

The District is currently in the process of preparing to perform a pilot study for the Well 22 project. Following the completion of this report, it is expected that the BODR for this facility will be submitted in the second quarter of 2021.

The project is on schedule. Although it has been granted a deferral, the JWD has been able to avoid or minimize the usage of this well during the period of this report.

Wells 25 and 26 (Kirby Lane Facility)

The District is in the process of finalizing the BODR for this project for submission to regulatory agencies this month. Last quarter, the JWD made progress on the design of the facility. It is expected that the completed project design will be submitted for regulatory review in the third quarter of 2021.

The project is on schedule. Although it has been granted a deferral, the JWD has been able to avoid or minimize the usage of this well during the period of this report.

New Well and Treatment at Southwoods Road

This project does not include the construction of treatment for an affected well, rather a new well and treatment facility to offset required usage of wells with higher levels of contaminants. A test well was drilled and a pump test completed for this project in the third quarter of 2020. This project is on schedule, with an engineering report for the permanent well set to be submitted in February of this year.

Public Notification

In accordance with the terms of the deferral, the JWD notified the public of its MCL deferral in multiple ways. A link to the public notification document provided by the NYSDOH was posted on the District website and a postcard with a direct URL link to this document was sent out to all District customers. In addition, notice of this deferral was published in the December 18, 2020 issue of the Oyster Bay Herald, the local newspaper. Documentation of such contact is contained in **Attachment B**.

Analytical Sampling

Sample results for the wells for which deferrals were granted (Wells 9, 14, 20, 21, 22, 25, and 26) taken during the fourth quarter of 2020 are contained in the below tables. Full laboratory reports for each sample are contained in **Attachment C**.

1,4-dioxane (ppb)

Well	Date		
	Oct. 2020	Nov. 2020	Dec. 2020
Well 9 (N-4245)*	NS	NS	NS
Well 14 (N-6651)*	NS	NS	NS
Well 20 (N-10149)	0.54	0.44	0.30
Well 21 (N-12795)	0.31	0.34	0.30
Well 22 (N-7781)	0.54	1.0	0.11
Well 25 (N-8355)	8.3	0.11	1.1
Well 26 (N-13119)	3.3	3.8	10.8

**Well out of service*

NS = Not sampled (because wells are not in service)

Conclusion

As demonstrated above, the JWD is actively working to preserve the quality of water for its customers and comply with the requirements put forth by the NYSDOH. The District looks forward to continuing to work towards completion of its treatment facilities.

Should you have any questions, please contact the District at 516-921-8280 or visit the website, www.jerichowater.org

Very truly yours,

Board of Commissioners
Jericho Water District

Enclosures

cc: K. Wheeler (NYSDOH)
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ATTACHMENT A

ATTACHMENT B

ATTACHMENT C