

July 1, 2024

Jericho Water District
PWS ID No. NY2902831
MCL Exemption for 1,4-Dioxane
Quarterly Report – Second Quarter 2024

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 exemptions from maximum contaminant level (MCL) violations for 1,4-dioxane. The District was granted an MCL deferral for 1,4-dioxane in 2020, which was renewed in 2022 with the expiration of the renewal in August 2023. JWD was granted an exemption in August 2023 because it has been proactive in its efforts to establish and implement an action plan for managing the above-referenced compounds. This exemption expires in August 2024, and JWD plans to apply for a second exemption that would extend the compliance deadline until August 2025 to allow for time to complete and place into service multiple treatment projects.

The last three years have been a time of unprecedented disruption in the supply chain of chemical supplies, equipment, infrastructure components, pipe and materials (e.g., steel), and treatment systems. Contractors and water suppliers, locally and nationwide, have been impacted by these issues in completing both small-scale and large-scale projects. Shortages of necessary items have significantly impacted the District, primarily in terms of price increases, decreased availability, and longer lead times. In addition, due to the rapidly changing regulatory environment through an expanded list of contaminants with lower regulatory advisory levels or MCLs, local and state regulators are experiencing a large number of capital project submissions, in addition to their regular responsibilities. This increased workload has led to longer regulatory review times of engineering reports, detailed design plans, and specifications. In many cases, these factors, which are out of the District's control, have caused delays in obtaining final regulatory approval, commencing construction, procuring equipment and necessary components, and conforming to the construction schedules proposed in the District's original application for a deferral.

The District has done everything within its power to adhere to the project schedules approved in the original deferral request, as described in the previous quarterly deferral reports. The wide reach of the impact of supply chain issues and delays was not known at the time of the original compliance deferrals and, as such, these delays were expected to become worse before improving because of increased national demand. Recognizing these exceptional circumstances, the District requested and received a 12-month deferral renewal, which extended our MCL compliance deadline to August 25, 2023, and a 12-month exemption, which extended our MCL compliance deadline to August 25, 2024. However, the supply chain issues and delays have not lessened and, therefore, additional time is necessary to achieve compliance. As such, the District plans to apply for another 12-month MCL exemption to extend its compliance deadline to August 25, 2025.

Despite the challenges of the current supply chain along with the ever-changing regulatory environment, the District has worked tirelessly to preserve the quality of its drinking water. There are currently four different treatment plants being constructed specifically for the removal of 1,4-dioxane from seven District wells. The combined cost of these projects is greater than \$50 million and this does not include the other construction projects that the District currently has ongoing to enhance other components of its water infrastructure.

The District's goal, as always, is to provide an adequate supply of potable water to its community and will continue to move forward on these projects to further that goal.

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

Corrective Action Plan Milestones

Wells 9 and 14

The NYSDOH issued an Approval of Completed Works for the project in May 2024. The new AOP and GAC treatment systems were placed online on May 20, 2024.

Although it has been granted an exemption, JWD had been able to minimize the usage of these wells during the second quarter of 2024 until the new treatment was online..

Wells 20 and 21

This project is currently in the construction phase. The NCDH and NYSDOH issued approval of the engineering report during August and September 2022 and of the design plans in June and July 2023. Process piping installation is underway and works continues within the AOP and granular activated carbon (GAC) buildings. The electrical equipment and service gear delivery scheduled for the end of December 2023 remains delayed. The best case timeline for the site to be operational would be summer of 2024, but only using the GAC treatment system (as approved by the NYSDOH and NCDH) used last pumping season while continuing to progress the AOP. A submittal was made to NCDH and NYSDOH for approval to operate through the AOP equipment as pipes until it is ready to be put in service. Even though the District is working with its contractor, vendors, and manufacturers to bring the project to completion as quickly as possible, it may not be able to return the site to full operation until early in 2025.

Even though it has been granted an exemption, JWD removed these wells from service for most of the second quarter 2024 and will continue its monitoring and minimization strategy for the usage of these wells to the greatest extent practicable while meeting system demands. JWD will continue to monitor the 1,4-dioxane concentrations and work to minimize future run times of the wells where the concentration exceeds the MCL.

Well 22

This project is currently in the construction phase. The NCDH and NYSDOH issued approval of the engineering report in October 2022 and approval of the design specifications and plans in November 2023. The general construction contract of the project was re-bid and bids were received on March 15, 2024. The well is removed from service and will continue to be out of service for the duration of construction and throughout the 2024 pumping season. The well, with treatment installed, is anticipated to be returned to service in the 2025 pumping season.

Wells 25 and 26 (Kirby Lane Facility)

This project is currently in the construction phase. The District received NCDH approval of the engineering report in September 2021. The District received NCDH approval of the detailed design documents on July 12, 2022 and NYSDOH approval of the engineering report and detailed design documents on July 25, 2022. Construction has been progressing on-site. The AOP and GAC systems are fully installed, where initial testing of the first treatment train was completed in November 2023 and initial testing of the second treatment train was completed in January 2024. Performance testing and sampling was completed for both treatment trains in March 2024. A request for approval to operate was made on June 5, 2024 and the District is awaiting a response from the NCDH and NYSDOH.

Although it has been granted an exemption, JWD continues to monitor and minimize the usage of these wells to the greatest extent practicable while meeting system demands. JWD will continue to monitor the 1,4-dioxane concentrations and work to minimize future run times of the wells where the concentration exceeds the MCL.

Public Notification

In accordance with the terms of the exemption, JWD has maintained an open line of communication with the public regarding its exemption. The exemption public notification documentation and the previous deferral and exemption quarterly reports are still featured prominently on the District website.

Analytical Sampling

Sample results for Wells 20 and 21 (two of the wells for which the exemption was granted) taken during the second quarter of 2024 are contained in the table below. Full laboratory reports for each sample are contained in Attachment B. Wells 9, 14, 22, 25 and 26 were not sampled during the second quarter of 2024 due to well performance testing and ongoing construction.

1,4-Dioxane (parts per billion, ppb)

Well	Date		
	April 2024	May 2024	June 2024
Well 20 (N-10149)	0.44	NS	NS
Well 21 (N-12795)	2.8	NS	NS

NS – Not Sampled

Conclusion

As demonstrated above, 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 Superintendent Peter Logan 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)
B. Rogers (NYSDOH)
W. Provoncha (NCDH)
P. Young (NCDH)
R. Putnam (NCDH)
P. Logan (JWD)
W. Merklin (D&B)
M. Savarese (D&B)
L. Ortiz (D&B)
P. Connell (D&B)

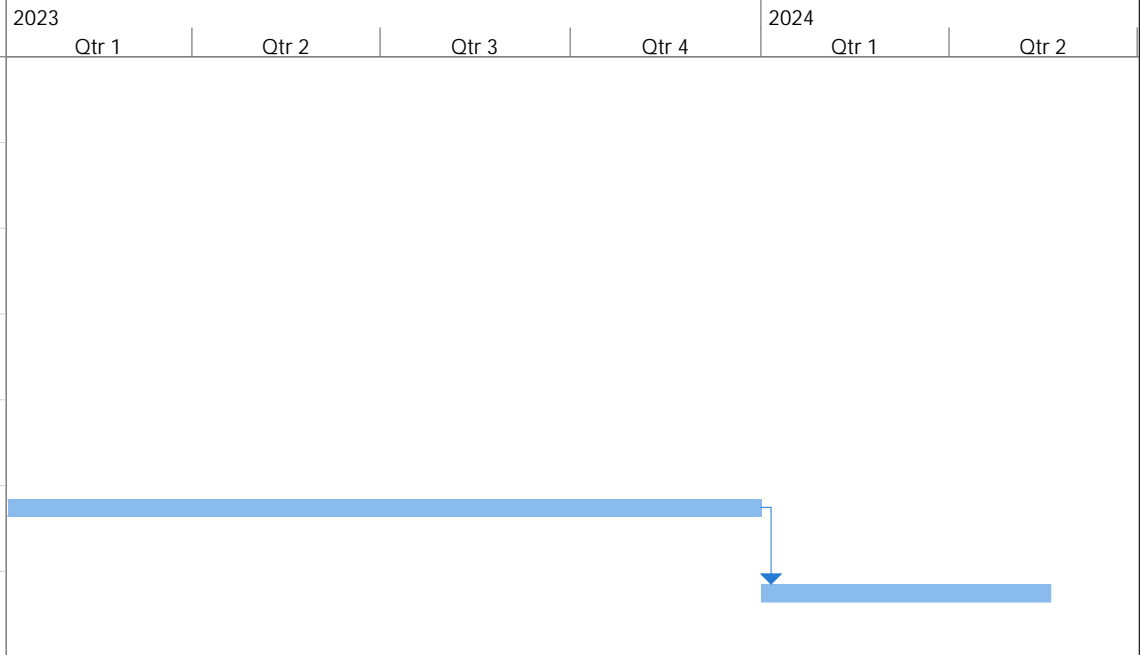
ATTACHMENT A

**Project Schedules Associated with
MCL Exemption**

Jericho Water District
MCL Exemption
Quarterly Report - Q2 2024

Wells 9 and 14
AOP Project Schedule

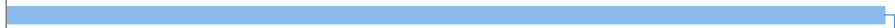
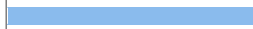
Task Name	2023				2024	
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2
Pilot Test and Planning (Complete)						
Engineering Report (Complete)						
NCDH and NYSDOH Review of Engineering Report (Complete)						
Detailed Design (Complete)						
NCDH and NYSDOH Review of Contract Documents (Complete)						
Bidding and Construction (Complete)						
Startup and Testing (Complete); NCDH Approval (Complete)						



Jericho Water District
MCL Exemption
Quarterly Report - Q2 2024

Wells 20 and 21
AOP Project Schedule

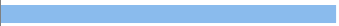
Task Name	2023				2024				2025
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
Pilot Test and Planning (Complete)									
Engineering Report (Complete)									
NCDH and NYSDOH Review of Engineering Report (Complete)									
Detailed Design (Complete)									
NCDH and NYSDOH Review of Contract Documents (Complete)									
Bidding and Award of Contracts (Complete)									
Construction (In Progress)									
Startup and Testing									



Jericho Water District
MCL Exemption
Quarterly Report - Q2 2024

Well 22
AOP Project Schedule

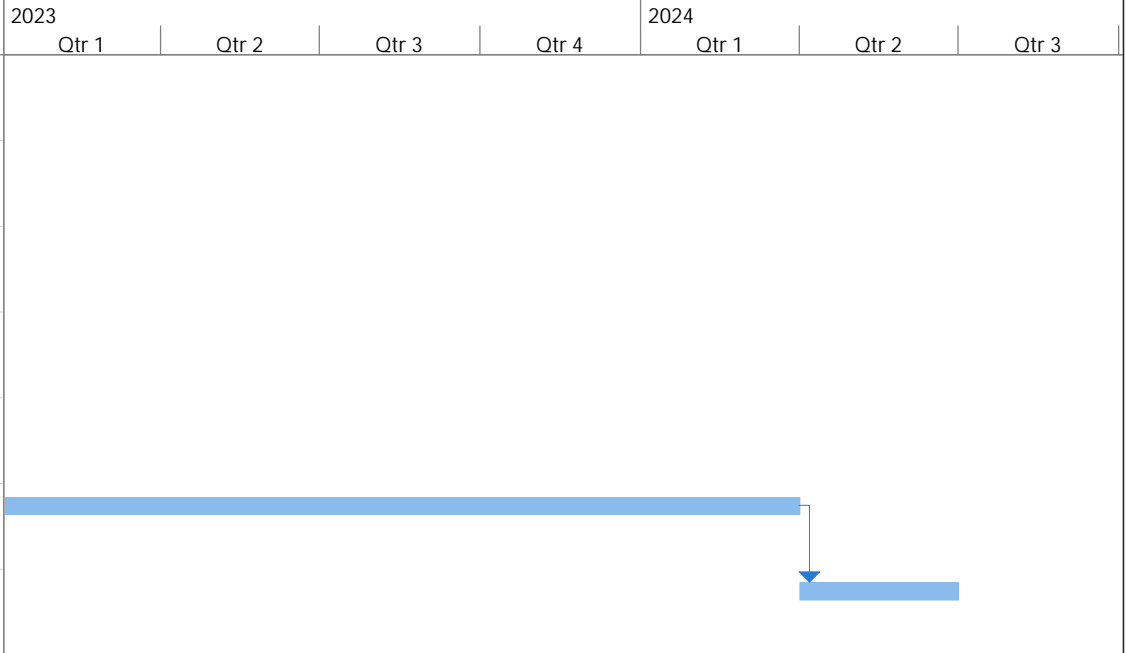
Task Name	2023				2024				2025		
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
Pilot Test and Planning (Complete)											
Engineering Report (Complete)											
NCDH and NYSDOH Review/Approval of Engineering Report (Complete)											
Detailed Design (Complete)											
NCDH and NYSDOH Review of Contract Documents (Complete)											
Bidding (Complete) and Construction (In Progress)											
Startup and Testing											



Jericho Water District
MCL Exemption
Quarterly Report - Q2 2024

Wells 25 and 26
AOP Project Schedule

Task Name	2023				2024		
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3
Pilot Test (Complete)							
Engineering Report (Complete)							
NCDH and NYSDOH Review of Engineering Report (Complete)							
Detailed Design (Complete)							
NCDH and NYSDOH Review of Contract Documents (Complete)							
Bidding (Complete) and Construction (Complete)							
Startup and Testing (In Progress)							



ATTACHMENT B

Water Quality Data



575 Broad Hollow Road, Melville, NY 11747
 TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested
 The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:

Type: Drinking Water
 Origin: Raw Well
 Routine

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70293595001
Client Sample ID.: N-10149

Attn To : Peter Logan

Federal ID : 2902831

Collected : 04/09/2024 11:15 AM Point N-10149

Received : 04/09/2024 01:51 PM Location Well 20

Collected By CLIENT

Sample Comments:

RUN TO WASTE

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 04/12/2024 7:30 AM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.44	1		ug/L	1	04/13/2024 2:26 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	101%		1	%REC		04/13/2024 2:26 PM	001 AG2R1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Result(s) reported meet(s) NYS Regulatory Limit(s).
 Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 04/15/2024



575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

WorkOrder :
70293595

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

WO#: 70293595



70293595

11747
36

(641) 974 0000

Sample Request Form PUBLIC WATER SUPPLIER

WELL OFF LINE Per to waste

Date: 4/19/24

Collected By: CS

Accepted By: Joseph Paoli 13:51

Cooler Temp: 5.5 °C @ 4/9/21

WELL RUN TO SYSTEM

YES NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: Seneca Water
 Address: 125 Convent Rd
SYOSSET, NY 11791
 Phone #: (516) 921-8280
 Attn: _____
 Proj. # or (Name): _____
 Bill To: _____
 Copies To: _____

Sample Types	Purpose	Origin	Treatment Types
PW - Potable Water	RO - Routine	D - Distribution	AST - Air Stripper
GW - Groundwater	RE - Resample	RW - Raw Well	GAC - Granular Activated Charcoal
SW - Surface Water	S - Special	TW - Treated Well	N - Nitrate Removal Plant
WW - Waste Water		T - Tank	FE - Iron Removal Plant
AQ - Aqueous		MW - Monitoring Well	O - Other
S - Soil		I - Influent	
		E - Effluent	

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂ pH/Temp	Analysis	Lab No.
<u>4/19/24 11:15 AM</u>	<u>PW</u>	<u>Well 20 H10145</u>	<u>Rw</u>		<u>RU</u>		<u>1,4 Dioxane</u>	
Remarks:								

Client: **JWD**

Profile #: **5152**

Use Point Number Spreadsheet

Multiday Project

Work ID: **14 DIOXANE 419**

COC Page **2** of **2**

Add SLOGFD to first sample for field charge

COG Item	COG Description	Matrix	Matrix
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WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

BP1U	1L unpreserved plastic
BP3N	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG3U	500mL unpres amber glass

* COG 365 is a BP1U

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid amber 40mL vial
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoChloro/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Glass	Plastic	Misc.
VG9U	40mL unpres clear vial	125mL unmeasured plastic
VG9C	40mL Ascorbic-HCl clear vial	250mL unpreserved plastic
VG9H	40mL HCl clear vial	500mL unpreserved plastic
AG3S	40mL Sulfonic clear vial	1L unpreserved plastic
DG9T	40mL Na Thiosulfate vial	Ammonium Cl 250mL bottle
DG9S	40mL Citrate-Na Thiosulfate	250mL HNO3 plastic
DG9P	40mL amber w/ - TSP	125mL EDA amber glass
DG9A	Ascorbic/Asteleic Acid 40mL	250mL Na Thio amber glass
DG6T	Na Thio 60mL Vial	Na Sulfite 500mL (blue Cap)
DG6S	Ammonium Cl/CuSC4 40mL	Na Thiosulfate 1L bottle
BP1U	1L Unpres Jar (Con Ext)	1L HCl amber glass
AG3U	500 clear soil jar	250mL Ammonium Acetate
AG4Q	4oz clear soil jar	1L NaOH, Zn Acetate
		1L HNO3 plastic
		Na Thiosulfate Amber Bottle

Sender Initials _____

Additional Comments _____

WO#: 70293595
PM: JSA
CLIENT: JWD
Due Date: 04/19/24

WO#: 70293595

PM: JSA Due Date: 04/19/24
CLIENT: JWD

Client Name: JWD

Project #

Courier: Fed Ex UPS USPS Client Commercial Package Other

Tracking #:

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No Temperature Blank Present: Yes No

Packing Material: Bubble Wrap Bubble Bags Ziplo None Other Type of Ice: Wet Blue None

Thermometer Used: H211 Correction Factor: -4 Samples on ice, cooling process has begun

Cooler Temperature (°C): 5.5 Cooler Temperature Corrected (°C): 5.1 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No

Did samples originate from a foreign source including Hawaii and Puerto Rico? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: wk 4/9/24

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	

Date and Initials of person checking preservation: wk 4/9/24

All containers needing preservation have been pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH > 9 Sulfide, <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A NAOH > 12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl Sample # Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A KI starch test strips Lot # Residual chlorine strips Lot #	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Lead Acetate Strips Lot #	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Trip Blank Custody Seals Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: 4/9/24

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.



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 TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested
 The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:

Type: Drinking Water
 Origin: Raw Well
 Routine

Jericho Water District
125 Convent Rd.
Syosset, NY 11791

Lab No. : 70295605001
Client Sample ID.: N-12795

Attn To : Peter Logan

Federal ID : 2902831

Collected : **04/25/2024 12:00 PM** Point **N-12795**

Received : 04/25/2024 01:40 PM Location **Well 21**

Collected By CLIENT

Sample Comments:

Samples were received on the same day of collection on ice and are above 6 degrees Celcius. Samples were placed on ice by the lab and the cooling process has begun.

RUN TO WASTE

Analytical Method: EPA 522		Prep Method: EPA 522			Prep Date: 04/27/2024 6:49 PM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	2.8*		1	ug/L	1	04/30/2024 2:47 AM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	82%		1	%REC		04/30/2024 2:47 AM	001 AG2R1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Result(s) reported meet(s) NYS Regulatory Limit(s).
 Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 04/30/2024



575 Broad Hollow Road, Melville, NY 11747
TEL: (516) 370-6000 FAX: (516) 886-5526
www.pacelabs.com

WorkOrder :
70295605

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

WO#: 70295605



(11747
.36

Sample Request Form PUBLIC WATER SUPPLIER

WELL OFF LINE Run to waste

Date: 4/25/24

Collected By: CS

Accepted By: ASF RACE L14/15/24 R.H.J.

Cooler Temp: 10.1 °C (3)

WELL RUN TO SYSTEM

YES NO VOC'S PRESERVED WITH HCl

Sample Types

- PW - Potable Water
- GW - Groundwater
- SW - Surface Water
- WW - Waste Water
- AQ - Aqueous
- S - Soil

Purpose

- RO - Routine
- RE - Resample
- S - Special

Origin

- D - Distribution
- RW - Raw Well
- TW - Treated Well
- T - Tank
- MW - Monitoring Well
- I - Influent
- E - Effluent

Treatment Types

- AST - Air Stripper
- GAC - Granular Activated Charcoal
- N - Nitrate Removal Plant
- FE - Iron Removal Plant
- O - Other

Client Info:

Name or Code: Tendo Water
 Address: 125 Convert Rd
 Syosset, NY 11791
 Phone #: (516) 921-8280
 Attn: _____
 Proj. # or (Name): _____
 Bill To: _____
 Copies To: _____

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂	Field Readings pH/Temp	Analysis	Lab No.
4/25/24 12:00pm	PW	Well 21 H-12795	RW		RO			1,1-Dioxane	

Remarks:

Client: SWB

Profile #: 5152

Use Point Number Spreadsheet Multiday Project

Add SCLOGFD to first sample for field charge

COC Page 2 of

Work ID: 14 Dioxene 4/15

COC Line Item	Matrix	Sample Description	Matrix
1			
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WO#: 70295605
PM: JSA **Due Date: 05/07/24**
CLIENT: JWD

Continued Codes

Code	Description	Code	Description
VG9U	40mL unpres clear vial	BP4U	125mL unreserved plastic
VG9C	40mL Ascorbic-HCl clear vial	BP3U	250mL unreserved plastic
VG9H	40mL HCl clear vial	BP2U	500mL unreserved plastic
VG9S	40mL Sulfuric clear vial	BP1U	1L unreserved plastic
VG9T	40mL Na Thiosulfate vial	BP4N	125mL HNO3 plastic
VG9P	40mL Citrate-Na Thiosulfate	BP3N	500mL HNO3 plastic
VG9A	40mL amber vial - TSP	BP2N	500mL H2SO4 plastic
DG9S	Ascorbic/Maleic Acid 40mL	BP3S	250mL H2SO4 plastic
DG9T	Na Thio 60mL Vial	BP2S	500mL H2SO4 plastic
DG9U	Ammonium Cl/Cu/So4 40mL	BP3C	NaOH 250mL bottle
WG9U	1L Unpres Jar (Con Ed)	BP3T	250mL Trizma
WG9O	8oz clear soil jar	BP3S	250mL Ammonium Acetate
WG9A	4oz clear soil jar	BP3R	250mL NH4SO4-NH4OH
		BP1Z	1L NaOH, Zn Acetate
		BP1N	1L HNO3 plastic
		BP1B	Na Thiosulfate Amber Bottle

Misc.	
SP5T	120mL Coriform Na Thio
R	Terracore Kit
WG2U	2oz Unreserved Jar
WG7U	4oz Unreserved Jar
WG8U	8oz Unreserved Jar
WG9U	16oz Unreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe
LLHG	Low Level Hg Bottles
BG1N	1L HNO3 Clear Glass

IOC	
BP1U	1L unreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass
BP3U	250mL unreserved plastic

* Can also be a BP4N

SOC	
VG8T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vial
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClAcetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	Oil
WP	Wipe
DW	Drinking Water

Additional Comments

Sender Initials

WO# : 70295605
 PM: JSA Due Date: 05/07/24
 CLIENT: JWD

Client Name: JWD Project # _____
 Courier: Fed Ex UPS USPS Client Commercial Pace Other
 Tracking #: _____

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes No Temperature Blank Present: Yes No
 Packing Material: Bubble Wrap Bubble Bags Ziploc None Other Type of Ice: Wet Blue None

Thermometer Used: TH211 Correction Factor: -1.4 Samples on ice, cooling process has begun
 Cooler Temperature (°C): 10.1 Cooler Temperature Corrected (°C): 9.7 Date/Time 5035A kits placed in freezer _____
 Temp should be above freezing to 6.0°C

USDA Regulated Soil (N/A, water sample)
 Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? Yes No

Did samples originate from a foreign source including Hawaii and Puerto Rico? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: AD 4/25/24

	COMMENTS:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note: if sediment is visible in the dissolved container.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID/Analysis Matrix: <u>SL</u> <u>WT</u> OIL OTHER	

Date and Initials of person checking preservation: AD 4/25/24

All containers needing preservation have been pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	13. <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> HCl Sample #
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
KI starch test strips Lot # Residual chlorine strips Lot #	15. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16. Positive for Sulfide? Y N
Lead Acetate Strips Lot #	
Headspace in ALK Bottle (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution: _____ Field Data Required? Y / N
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.