

January 1, 2023

Incorporated Village of Mineola

PWS ID No. NY2902839

MCL Deferral for 1,4-Dioxane, PFOA, and PFOS

Quarterly Report – Fourth Quarter 2022

Introduction

On behalf of the Incorporated Village of Mineola (Village), 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, perfluorooctanoic acid (PFOA), and/or perfluorooctanesulfonic acid (PFOS). The Village was granted an MCL deferral for 1,4-dioxane, PFOA, and PFOS in 2020. The Village 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 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 Village, 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 workload. 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 Village's control, have caused delays in obtaining final regulatory approval, commencing construction, procuring equipment and necessary components, and conforming to proposed construction schedules.

The Village has done everything within its power to adhere to the project schedule approved in the original deferral request, as described in the previous quarterly deferral reports. The full impact of supply chain issues and delays was not known at the time of the original compliance deferral and due to these regulatory changes, these delays were expected to become worse before improving because of increased national demand. Recognizing these exceptional circumstances, the Village requested and received a 12-month deferral renewal with a MCL compliance deadline of August 25, 2023.

The Village's goal, as always, is to provide an adequate supply of potable water to its consumers and it has done everything in its ability to move forward on the treatment project to further that goal and meet consumer demands. These impacts of the last three years are expected to continue

for the foreseeable future and will most likely affect the ability of the Village to conform to the project schedule outlined in the original deferral request, even with the deferral renewal. As such, anticipating the on-going conditions of supply chain issues and regulatory delays, additional time consideration past the deferral renewal deadline will most likely be needed to bring the project to a substantially completed status.

The enclosed is a report describing the Village's progress towards maintaining the highest quality of water for our customers and meeting the deadlines set forth in the deferral approval. An updated schedule for these efforts is contained in **Attachment A**.

Corrective Action Plan Milestones – Well 4

The Village's Well 4 AOP treatment project is currently in construction. Detailed design documents for the facility were submitted to the Nassau County (NC) DOH and NYSDOH in the third quarter of 2021. NYSDOH approval was recommended by the NCDOH in May 2022. Final approval by the NYSDOH was granted in July 2022. The project was placed out to bid, and bids were opened on July 27, 2022. Construction contracts have subsequently been awarded, allowing for construction to commence. The current project schedule forecasts the project completion to be in the early part of the fourth quarter of 2023.

Although it has been granted a deferral, the Village did not use this well to supply drinking water in the fourth quarter of 2022 and will strive to minimize future use of the well because of its elevated 1,4-dioxane, PFOA, and PFOS levels. The completion of this project is imperative to ensure continued use of the well while meeting federal emerging contaminant regulations.

Public Notification

In accordance with the terms of the deferral, the Village has maintained an open line of communication with the public regarding its deferral. The deferral public notification documentation is still featured prominently on the Village website, as are all previous quarterly reports.

Analytical Sampling

Sample results for Well 4 taken during the fourth quarter of 2022 are contained in the below tables. Full laboratory reports for each sample are contained in **Attachment B**.

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

Well	Date
	October 2022
Well 4 (N-3185)	0.78

PFOA (parts per trillion, ppt)

Well	Date
	October 2022
Well 4 (N-3185)	ND

ND – Not Detected

PFOS (parts per trillion, ppt)

Well	Date
	October 2022
Well 4 (N-3185)	ND

Conclusion

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

Should you have any questions, please contact the Village at 516-746-0750 or visit the website, www.mineola-ny.gov.

Very truly yours,

Board of Trustees
Incorporated Village of Mineola

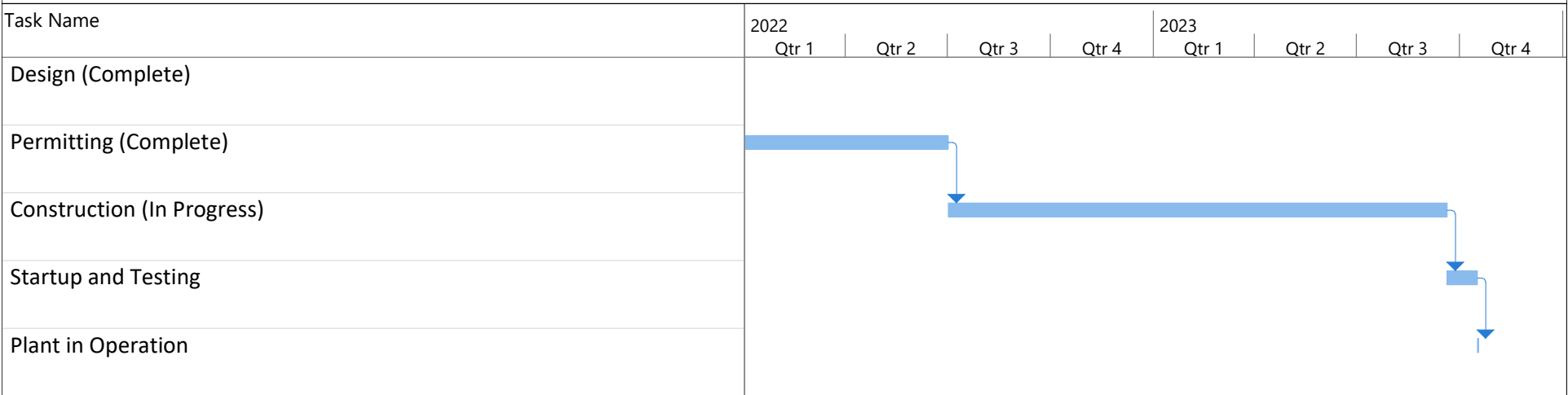
Enclosures

cc: K. Wheeler (NYSDOH)
B. Rogers (NYSDOH)
W. Provoncha (NCDH)
P. Young (NCDH)
R. Putnam (NCDH)
T. Rini (IVM)

J. Martin (IVM)
B. Merklin (D&B)
L. Ortiz (D&B)
P. Connell (D&B)

ATTACHMENT A

Project Schedule Associated with MCL Deferral



ATTACHMENT B

Water Quality Data



575 Broad Hollow Road, Melville, NY 11747
 TEL: (631) 694-3040 FAX: (631) 420-8436
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

Mineola, Inc. Village of
42 E. 2nd Street
Mineola, NY 11501

Lab No. : 70231805001
Client Sample ID.: N-03185

Attn To : James Martin

Federal ID : 2902839

Collected : 10/03/2022 11:00 AM Point N-03185

Received : 10/03/2022 03:45 PM Location Well #4

Collected By CLIENT

Sample Comments:

RUN TO WASTE

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	5.4		5	mg/L	10	10/05/2022 1:14 AM	001 BP4U1/1
Nitrate-Nitrite (as N)	5.4		5	mg/L		10/05/2022 1:14 AM	001 BP4U1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	10/04/2022 10:07	001 BP4U1/1

Analytical Method:EPA 522

Prep Method: EPA 522

Prep Date: 10/17/2022 3:13 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.78		1	ug/L	1	10/19/2022 6:06 PM	001 AG2R1/1
Surr: 1,4-Dioxane-d8 (S)	92%		1	%REC		10/19/2022 6:06 PM	001 AG2R1/1

Analytical Method:EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,1,1-Trichloroethane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,1,2-Trichloroethane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,1,2-Trichlorotrifluoroethane	<0.50	N3	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,1-Dichloroethane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,1-Dichloroethene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,1-Dichloropropene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,2,3-Trichloropropane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,2-Dichlorobenzene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,2-Dichloroethane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,2-Dichloropropane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,3-Dichlorobenzene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,3-Dichloropropane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
1,4-Dichlorobenzene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
2,2-Dichloropropane	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
2-Chlorotoluene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
4-Chlorotoluene	<0.50		1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1

Qualifiers:

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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

See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).

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

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Mineola, Inc. Village of
42 E. 2nd Street
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Lab No. : 70231805001
Client Sample ID.: N-03185

Attn To : James Martin

Federal ID : 2902839

Collected : 10/03/2022 11:00 AM Point N-03185

Received : 10/03/2022 03:45 PM Location Well #4

Collected By CLIENT

Sample Comments:

RUN TO WASTE

Benzene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Bromobenzene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Bromochloromethane	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Bromodichloromethane	<0.50	1	ug/L		10/15/2022 8:12 AM	001 VG9C1/1
Bromoform	<0.50	1	ug/L		10/15/2022 8:12 AM	001 VG9C1/1
Bromomethane	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Carbon tetrachloride	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Chlorobenzene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Chlorodifluoromethane	<0.50	N3 1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Chloroethane	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Chloroform	<0.50	1	ug/L		10/15/2022 8:12 AM	001 VG9C1/1
Chloromethane	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Dibromochloromethane	<0.50	1	ug/L		10/15/2022 8:12 AM	001 VG9C1/1
Dibromomethane	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Dichlorodifluoromethane	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Ethylbenzene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Hexachloro-1,3-butadiene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Isopropylbenzene (Cumene)	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Methyl-tert-butyl ether	<0.50	1	ug/L	10	10/15/2022 8:12 AM	001 VG9C1/1
Methylene Chloride	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Styrene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Tetrachloroethene	8.4*	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Toluene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Total Trihalomethanes (Calc.)	<0.50	1	ug/L	80	10/15/2022 8:12 AM	001 VG9C1/1
Trichloroethene	3.5	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Trichlorofluoromethane	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Vinyl chloride	<0.50	1	ug/L	2	10/15/2022 8:12 AM	001 VG9C1/1
cis-1,2-Dichloroethene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
cis-1,3-Dichloropropene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
m&p-Xylene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
n-Butylbenzene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
n-Propylbenzene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
o-Xylene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
p-Isopropyltoluene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
sec-Butylbenzene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
tert-Butylbenzene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
trans-1,2-Dichloroethene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
trans-1,3-Dichloropropene	<0.50	1	ug/L	5	10/15/2022 8:12 AM	001 VG9C1/1
Surr: 1,2-Dichlorobenzene-d4 (S)	83%	1	%REC		10/15/2022 8:12 AM	001 VG9C1/1
Surr: 4-Bromofluorobenzene (S)	90%	1	%REC		10/15/2022 8:12 AM	001 VG9C1/1

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 Routine

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Client Sample ID.: N-03185

Attn To : James Martin

Federal ID : 2902839

Collected : 10/03/2022 11:00 AM Point N-03185

Received : 10/03/2022 03:45 PM Location Well #4

Collected By CLIENT

Sample Comments:

RUN TO WASTE

Analytical Method: EPA 533		Prep Method: EPA 533			Prep Date: 10/11/2022 9:50 AM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11CI-PF3OUdS	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
4:2 FTS	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
6:2 FTS	21.0	B,L1	1	ng/L		10/14/2022 5:20 AM	001 BP351/2
8:2 FTS	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
9CI-PF3ONS	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
ADONA	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
HFPO-DA	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
NFDHA	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
PFBA	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
PFEESA	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
PFHpS	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
PFMBA	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
PFMPA	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
PFPeA	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
PFPeS	<1.9	IC,L1	1	ng/L		10/14/2022 5:20 AM	001 BP351/2
Perfluorobutanesulfonic acid	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
Perfluorodecanoic acid	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
Perfluorododecanoic acid	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
Perfluoroheptanoic acid	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
Perfluorohexanesulfonic acid	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
Perfluorohexanoic acid	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
Perfluorononanoic acid	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
Perfluorooctanesulfonic acid	<1.9		1	ng/L	10	10/14/2022 5:20 AM	001 BP351/2
Perfluorooctanoic acid	<1.9		1	ng/L	10	10/14/2022 5:20 AM	001 BP351/2
Perfluoroundecanoic acid	<1.9		1	ng/L		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C2-PFDoA (S)	118%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C24:2FTS (S)	140%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C26:2FTS (S)	143%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C28:2FTS (S)	125%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C3-PFBS (S)	90%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C3-PFHxS (S)	100%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C3HFPO-DA(S)	64%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C4-PFBA (S)	20%	S0	1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C4-PFHpA (S)	89%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C5-PFHxA (S)	75%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C5-PFPeA (S)	72%		1	%REC		10/14/2022 5:20 AM	001 BP351/2
Surr: 13C6-PFDA (S)	116%		1	%REC		10/14/2022 5:20 AM	001 BP351/2

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Jennifer Aracri

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Received : 10/03/2022 03:45 PM Location Well #4

Collected By CLIENT

Sample Comments:

RUN TO WASTE

Surr: 13C7-PFUDa (S)	121%	1	%REC	10/14/2022 5:20 AM	001 BP351/2
Surr: 13C8-PFOA (S)	100%	1	%REC	10/14/2022 5:20 AM	001 BP351/2
Surr: 13C8-PFOS (S)	108%	1	%REC	10/14/2022 5:20 AM	001 BP351/2
Surr: 13C9-PFNA (S)	111%	1	%REC	10/14/2022 5:20 AM	001 BP351/2

Analytical Method:Field Method

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Field Temperature	14.8	N3	1	deg C		10/03/2022 11:00	001 SP5T1/1
Field pH	6.4	N3	1	Std. Units		10/03/2022 11:00	001 SP5T1/1

Analytical Method:SM22 9223B Colilert

Prep Method: SM22 9223B Colilert

Prep Date: 10/03/2022 5:30 PM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
E.coli	Absent		1		Absent	10/04/2022 11:30	001 SP5T1/1
Total Coliforms	Absent		1		Absent	10/04/2022 11:30	001 SP5T1/1

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TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

WorkOrder :

70231805

Laboratory Certifications

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity



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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



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Additional Qualifiers

N3 - Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

WO#: 70231805



70231805

11747

(051) 674-3040 FAX (051) 420-6436

Sample Request Form

PUBLIC WATER SUPPLIER

Date:

10-3-22

Collected By:

Mike Scalerio

Accepted By:

[Signature]

10/31/22

Cooler Temp:

5.9 °C

15.45

☒ WELL OFF LINE

☐ WELL RUN TO SYSTEM

☒ YES ☐ NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code:

Address: INC. VILLAGE OF MINEOLA

Phone #:

Attn: 215 WESTBURY AVENUE

Proj. # MINEOLA, NY 11501

Bill To:

Copies To:

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

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂ pH/Temp	Analysis	Lab No.
10-3-22/1100	GW	Well 4 (Raw)	RW		RO	6.4/14.8	POC/Nitrate/Bac/1.4 Dig	N-03185
10-3-22/1100	GW	Well 4 (Raw)	RW		RO	6.4/14.8	533 PFOA/PFAS	N-03185
10-3-22/1100	GW	Well 4 (Raw)	RW		RO	6.4	533 Field Blank	N-03185
10-3-22/1100	PW	Well 4 (Treated)	TW	AST	RO	7.4/15	POC/Nitrate/Bac Series	AS-03185

Remarks:

Well offline. Ran to Blowoff

Pace Analytical®

Sample Condition Upon Receipt

WO#: 70231805

Client Name:

Pro

PM: JSA

Due Date: 10/10/22

CLIENT: MWD

village of Mincola

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No ☐ N/A

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other

Thermometer Used: T1148

Correction Factor: +0.1

Cooler Temperature(°C): 5.9

Cooler Temperature Corrected(°C): 6.0

Temperature Blank Present: ☐ Yes ☒ No

Type of Ice: Wet Blue None

☐ Samples on ice, cooling process has begun

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: WM 10/3/22

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 (F-LI-C-010) and include with SCUR/COC paperwork.

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

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution: