D&B ENGINEERS AND ARCHITECTS

April 9, 2021

New York American Water – Merrick Operations District
PWS ID No. NY2902840
MCL Deferral for 1,4-dioxane
Quarterly Report – First Quarter 2021

Introduction

On behalf of the New York American Water (NYAW), D&B Engineers and Architects (D&B) has prepared this document in accordance with the requirements of the New York State Department of Health for public water suppliers who have been granted deferrals from maximum contaminant level (MCL) violations for 1,4-dioxane. NYAW's Merrick Operations District was granted an MCL deferral for 1,4-dioxane in 2020. NYAW was granted a deferral due to its proactive efforts toward the implementation of treatment for this compound.

The enclosed is a report describing NYAW's progress towards maintaining the highest quality of water for its customers in the Merrick Operations District and meeting projected milestones set forth in the terms of the deferral. An updated schedule to describe work towards implementation of treatment is contained in **Attachment A**.

Corrective Action Plan Milestones

Advanced Oxidation Treatment ("AOP") System for Seamans Neck Road Wells 3A and 4

Treatment piloting has been completed and proved efficacy of the AOP/UV treatment process. During the first quarter of 2021, the Basis of Design Report (BODR) was completed and submitted by NYAW to the Nassau County and New York State Departments of Health (NCDOH and NYSDOH, respectively). The project is currently in the detailed design phase, which is expected to be complete by the end of the third quarter of 2021. The design documents must undergo review by the local and state health departments before construction can begin.

Although it has been granted a deferral, NYAW was able to minimize the usage of the Seamans Neck wells.

Public Notification

In accordance with the terms of the deferral, NYAW notified the public of its MCL deferral in multiple ways. The public notification document provided by the NYSDOH was posted on NYAW's website and a postcard with a URL link to this document was sent out to all Merrick Operations District customers. In addition, a press release informing the public of the deferral was released to the local paper, as well as ads placed in the local papers. Documentation of these notification measures are contained in **Attachment B**.

Analytical Sampling

Sample results for the wells which have exhibited MCL exceedances for 1,4-dioxane within the Merrick Operations District during the first quarter of 2021 are presented in the below table. It is noted that in addition to the two wells represented in the deferral application (Seamans Neck Wells 3A and 4), an additional well (Jefferson Well 11) has recently been impacted (within the first quarter of 2021) with 1,4-

dioxane at the MCL value. This well has been previously identified for replacement due to age and condition, which is currently under construction. As the deferral addresses the system which this well is a part of, water quality monitoring for this well will be monitored and represented in forthcoming deferral reporting, as required. Full laboratory reports for each sample are contained in **Attachment C**.

Q1 2021 1,4-dioxane water quality monitoring results (µg/l or ppb)

Merrick OPS District (PWS# NY 2902840)				
Location	**Well ID #**	**Date Sampled**	**Lab Utilized**	**1-4, Dioxane (µg/L)**
Seaman Neck Well 4	N-09338	3/8/2021	Pace	1.7
Seaman Neck Well 3A	N-14347	3/4/2021	Pace	1.7
Seaman Neck Well 4	N-09338	1/26/2021	Pace	1.3
Seaman Neck Well 3A	N-14347	1/26/2020	Pace	2.0
Jefferson St Well 11	N-07407	3/15/2021	Pace	1.0

Conclusion

As demonstrated above, NYAW is actively working to preserve the quality of water for its customers and comply with the requirements put forth by the NYSDOH. NYAW looks forward to continuing to work towards completion of its treatment facilities for the Merrick Operations District. Please advise us of the need to further discuss the recent developments at Jefferson Well 11 at this time.

Should you have any questions, please feel free to contact me at (516) 364-9890, ext. 3401.

Very truly yours,

Philip R. Sachs, P.E.
Vice President

PRS/PJCt/kb
Enclosures
cc: K. Wheeler (NYSDOH)
B. Rogers (NYSDOH)
W. Provoncha (NCDOH)
P. Young (NCDOH)
R. Putnam (NCDOH)
L. DiMenna (NYAW)
J. Kilpatrick (NYAW)
G. Sachs (NYAW)
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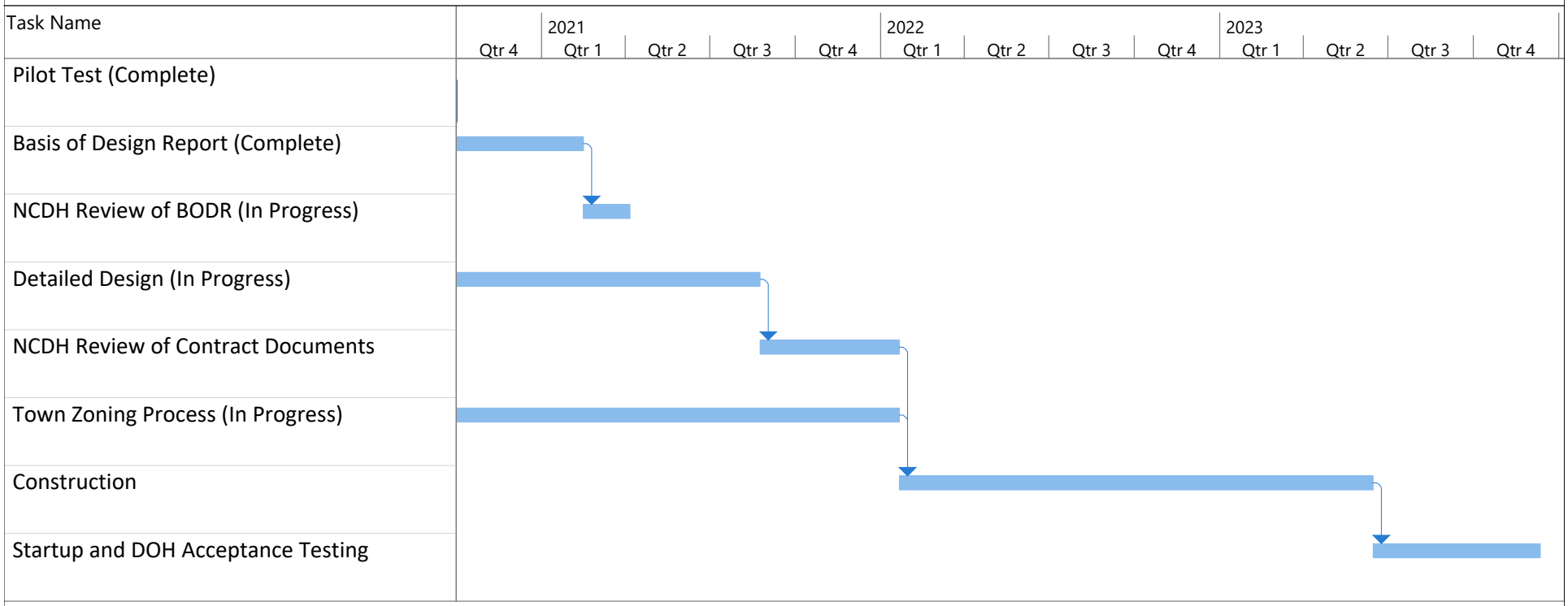
ATTACHMENT A

MCL Deferral Project Schedule

New York American Water
Merrick Operations District
MCL Deferral - Quarterly Report

Seamans Neck Road
Wells 3A and 4
AOP Project Schedule



ATTACHMENT B

Public Notification Documentation

Press Release

NEW YORK AMERICAN WATER

MEDIA CONTACT:
Lee Mueller
External Affairs Manager
516-287-8858
lee.mueller@amwater.com
Greg Gordon
631-830-2095
ggordon@zeccmail.com

New York American Water Receives Deferral from State As Company Pursues Treatment for Emerging Compounds

Merrick, NY (January 29, 2021)— New York American Water (NYAW) has received a compliance deferral from the New York State Department of Health as the company pursues treatment for 1,4-Dioxane at its Seamans Neck Road facility in North Wantagh. The compliance deferral is an agreement between NYAW and the Department of Health on a schedule and approach to install treatment improvements to meet new drinking water regulations. This deferral is only available to water providers who have an approved action plan for addressing the new regulations. On August 26, 2020, the New York State Department of Health finalized regulations establishing Maximum Contaminant Levels (MCLs) for 1,4-Dioxane at 1 part per billion (ppb) and perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) at 10 parts per trillion (ppt).

"Combating 1,4-Dioxane and other emerging compounds has been a priority of New York American Water's well before the State regulations were finalized," said New York American Water Director of Engineering John Kilpatrick. "There is no off-the-shelf treatment option for 1,4-Dioxane, so constructing an effective treatment system requires significant planning, design, execution and approvals to come to fruition. Our action plan to implement treatment is well underway and this additional time to come into compliance will allow us to continue serving our customers without interruption."

According to the New York State Department of Health, "The MCLs are set well below levels known to cause health effects in animal studies. Therefore, consuming water with 1,4-Dioxane at the level detected does not pose a significant health risk. Your water continues to be acceptable for all uses."

NYAW's water quality testing showed 1,4-Dioxane in the two groundwater wells at the Seamans Neck Road facility. 1,4-Dioxane measured between 1.4 and 1.7 ppb. PFOA and PFOS were non-detect. To address 1,4-Dioxane, NYAW has prepared for the construction of the necessary Advanced Oxidation Process (AOP) and Granular Activated Carbon (GAC) systems, which are the only approved methods to remove 1,4-Dioxane from the water supply.

AOP treatment, when coupled with GAC, is the only proven method to remove 1,4-Dioxane from the water supply. AOP treatment works by mixing an oxidant (hydrogen peroxide) with water and running it

through ultraviolet light. This creates a chemical reaction that breaks apart the 1,4-Dioxane molecules, which can then be removed by the GAC filters prior to the treated water entering the distribution system.

Residents interested in learning more about these emerging compounds, please visit www.nyamwater.com/emergingcompounds. To read the official notice from the Department of Health about the compliance deferral, please visit www.nyamwater.com/emergingcompounds/seamansneck.

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New York American Water, a subsidiary of American Water (NYSE: AWK), is the largest investor-owned water company in New York, providing high-quality and reliable water and/or wastewater services to approximately 350,000 people.

With a history dating back to 1886, American Water is the largest and most geographically diverse U.S. publicly traded water and wastewater utility company. The company employs more than 7,100 dedicated professionals who provide regulated and market-based drinking water, wastewater and other related services to more than 14 million people in 46 states. American Water provides safe, clean, affordable and reliable water services to our customers to make sure we keep their lives flowing. For more information, visit nyamwater.com and follow New York American Water on Facebook and Twitter.

J. Heck/Herald

BASKETBALL GAMES COULD start on Feb. 8 in Bellmore-Merrick, according to new Covid-19 guidelines from Gov. Andrew Cuomo. Last year, John F. Kennedy High School senior Rachel Nossen, of Merrick, wrote an op-ed in The Cougar Crier, which called on the school community to end "gender marking" of its sports teams.

High-risk high school sports could begin Feb. 1

By TONY BELLISSIMO
tbellissimo@liherald.com

High-risk high school sports in New York state, such as basketball, football, wrestling, hockey, volleyball and competitive cheer, will be permitted to proceed beginning Feb. 1 as long as county health departments approve competitive play within its jurisdiction, Gov. Andrew Cuomo announced last Friday afternoon.

According to the updated state-issued Covid-19 guidelines, county health departments must consider three factors when making a determination on high-risk sports: local infection rates, the ability to monitor and enforce compliance and whether the U.K. variant of the coronavirus is present within the area.

The updated guidance reads: "Effective Feb. 1, 2021, participants in higher risk sports and recreation activities may partake in individual or distanced group training and organized no/low-contact group training and, further, may partake in other types of play, including competitions and tournaments, only as permitted by the respective local health authorities (i.e., county health departments)."

Section VIII Executive Director Pat Pizzarelli said "there's a chance" high-risk winter sports such as basketball, wrestling, hockey and competitive cheer can spring into action next month if the Nassau County Health Department gives the green light. If play is approved, basketball games will start Feb. 8th since six days of practice will be required.

"While this is certainly a step in the right direction, there are many questions that remain with regard to the development and implementation of a plan, approved by our local elected officials, that will enable 'high-risk' sports to resume safely," Bellmore-Merrick Central High School District's Athletics Director Eric Caballero wrote in a letter to parents.

"BMCHSD remains committed to providing interscholastic sports to our school community," he continued, "and will work closely with the Nassau County Department of Health and Section VIII to determine the safest course of action to make this a reality for our student-athletes."

"As per today's announcement by Gov. Cuomo, I've directed the Nassau County Health Department to work with school districts to safely resume school sports according to NYS guidance," County Executive Laura Curran said in a statement. "As Nassau County Executive, I've continued to advocate for the safe resumption of organized sports, as well as for keeping our businesses and schools open. For many, school sports are a path to promising academic and career opportunities. I'm excited to get our kids back on the fields, courts and ice rinks they love so much. Let's play ball!"

Andrew Garcia contributed to this story.

During pandemic, LICC hasn't missed a beat

CONTINUED FROM FRONT PAGE

retired in 2016. Her ability to understand and assist with their emotional problems — especially problems brought on by bullying — made her eager to join the center as a counselor, she said.

When Katz gets a call, she listens. "Sometimes that's all they need," she said. "People need to be heard — some have no one to talk to. Just to have somebody on the other end of the phone to listen to them and tell them it's OK to feel the way they feel, sometimes that's all they need."

Counselors also offer referrals when callers seek additional help. "There are some people who don't want to go to counseling, though — we are a non-threatening alternative," Katz said.

LICC has also continued to operate Pride for Youth, which provides health services to young members of the LGBTQ+ community throughout the pandemic. Usual meetings have been moved to Zoom, and outreach programs have provided youth with essentials, such as food and in-home HIV tests, when in need.

"Sometimes you get off a call, and you think about it for hours or days," Katz said. "When someone is hurting, it hurts you. But on the flip side, there's no better feeling than hearing a client say, 'Thank you so much. I'm feeling so much better.'"

Courtesy Town of Hempstead

A MOBILE COVID-19 testing and vaccination unit, a joint project of the Town of Hempstead and Mount Sinai South Nassau hospital in Oceanside, is now in the works. It is expected to be up and running within 60 days.

Town gears up for mobile Covid-19 unit in 60 days

Town of Hempstead officials recently approved nearly $700,000 to develop a mobile Covid-19 testing and vaccination unit that will travel to many areas of the town that have been hit hardest during the coronavirus pandemic. The unit was developed in coordination with Mount Sinai South Nassau hospital.

Funding for the program comes through the federal CARES Act.

"We're proud to once again team up with Mount Sinai South Nassau to provide essential Covid-19 services to our residents," Hempstead Town Supervisor Don Clavin said, adding that he thanked U.S. Sen. Chuck Schumer with making the CARES Act funding available to the town.

"We're very grateful to be partnering with the town on this initiative," MSSN President and CEO Richard Murphy said.

The mobile unit is expected to be up and running within 60 days, and will serve all areas of the town. Further information will be posted on the town website once the new program is fully operational.

In the meantime, Hempstead's drive-through rapid-testing program continues to be offered at no charge to town residents. To make an appointment, call (516) 390-2888.

–Scott Brinton

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CONTINUED FROM FRONT PAGE

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–Scott Brinton

Time to celebrate

Guest Column

LINDA SAPADIN

Life is just one damned thing after another unless we take time out to recognize and celebrate the good events that happen between the hardships and hassles. This is true for our personal lives as well as our country's life.

A celebration is an acknowledgment, an honoring of an event. Last week, the swearing-in of our new President and Vice President was our most acclaimed celebration. Many rejoiced. Some lamented. No matter, the celebration of the peaceful transition of power took place.

Can you imagine what would have been lost if we ignored this day? If the swearing-in took place in secret - without witnesses, without any assurance that it ever happened, without joys and smiles, without previous Presidents of both parties present to lend validity to the occasion?

Yes, we need celebrations. To acknowledge, appreciate and cherish the event. We need them as a nation, and we need them as people. That's why we celebrate birthdays and anniversaries. That's why we celebrate national and religious holidays. If they're important to us, we don't let them pass without marking their significance.

Many of us, however, allow important moments to go unnoticed and uncelebrated. Such events, whether big or small, deserve to be recognized if they have meaning to us. A big, fancy occasion to mark the celebration is unnecessary. Indeed, you may not need to make the event public, but you do need to acknowledge and appreciate the event for your own self-worth. Neglecting to do so means that your accomplishment, achievement, success remain unnamed, unnoticed, unimportant. We might even say that it ceases to exist.

Here are two examples of personal events that call for celebrations:

John has a high pressured job and a demanding boss. On a typical day, he tolerates being spoken to disrespectfully, yelled at for a non-essential error, and blamed for his boss's blunders.

Yesterday, however, was different. John stood up for himself, determined to stop the verbal abuse. When his boss finished his tirade, he said, "I don't deserve to be spoken to like that. When you can speak to me respectfully, you'll find me at my desk." Shaking in his boots, he quickly departed from his boss's office before anything more could be said.

An hour later, his boss came to his desk and offered an apology – a half-assed one – but still an apology. He accepted it. That evening, he toasted himself, "I did it!" He then shared his story with his wife, who promised that once Covid is no longer a threat, they'd go out to a fine restaurant to celebrate.

The day Doreen lost 10 pounds was a day worth celebrating. Not publicly, but privately. Though Doreen still wanted to lose another 10 pounds, she recognized with joy that she was halfway there! What would she treat herself to? Not food but new clothes in a new size!

If you neglect to take time to celebrate your big and small achievements, everyday hassles and hardships become more prominent. So tonight, before your head hits the pillow, reflect on something personal worth celebrating. Create a blowout Zoom party for your achievement, if you wish, or launch simple words of praise for yourself. *"You did it! – Good job – I'm proud of you!"* Then smile, pat yourself on the back and get a good night's sleep. You've made your achievement a recognizable moment in your life.

Linda Sapadin, Ph.D. is a psychologist, coach and author in private practice who specializes in helping people become the best they can be. You can reach her at LSapadin@DrSapadin.com. Visit her website at www.PsychWisdom.com.

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— Scott Brinton

AN IMPORTANT WATER TREATMENT UPDATE FROM NEW YORK AMERICAN WATER

New York State recently established new drinking water standards for emerging compounds, specifically 1,4-Dioxane, PFOA and PFOS. In preparation for the new standards, New York American Water proactively sampled all of our source water wells. Testing of Service Area 2: South Shore (aka: Merrick Operations District) produced sample results for 1,4-Dioxane above the State's new standard at our Seamans Neck Road facility in North Wantagh. This is the only location in Service Area 2: South Shore with detections of emerging compounds above the State's new standards. To address this, we are installing treatment to remove 1,4-Dioxane at our Seamans Neck Road facility.

NEW YORK
AMERICAN WATER

WE KEEP LIFE FLOWING™

NEW YORK
AMERICAN WATER
60 Brooklyn Avenue
Merrick, NY 11566

New York American Water has been granted a compliance deferral by the New York State Department of Health for newly established regulations on emerging compounds.

LEARN MORE

Learn more about what this compliance deferral means, and the actions New York American Water continues to take to address emerging compounds. Visit **www.nyamwater.com/emergingcompounds/seamansneck** or call our Customer Service Center at 1-877-426-6999 to obtain a paper copy of the deferral notification.

01-2021

ATTACHMENT C

Water Quality Data

Pace Analytical®
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

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902840
Collected : 03/08/2021 09:35 AM Point N-10195
Received : 03/08/2021 01:05 PM Location Jerusalem 5 Well
Collected By CLIENT

Lab No. : 70164939001
Client Sample ID.: N-10195

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 03/16/2021 9:55 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.14		1	ug/L	1	03/16/2021 11:37	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	104%		1	%REC		03/16/2021 11:37	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

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

Date Reported: 03/17/2021

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902840
Collected : 03/08/2021 10:20 AM Point N-08031
Received : 03/08/2021 01:05 PM Location Old Mill 1 Well
Collected By CLIENT

Lab No. : 70164939002
Client Sample ID.: N-08031

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 03/16/2021 9:55 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.024		1	ug/L	1	03/16/2021 11:56	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	103%		1	%REC		03/16/2021 11:56	002 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.
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Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

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Sample Information:
Type: Drinking Water
Origin: Raw Well
Routine

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902840
Collected : 03/08/2021 11:10 AM Point N-09338
Received : 03/08/2021 01:05 PM Location Seamanneck 4 Well
Collected By CLIENT

Lab No. : 70164939003
Client Sample ID.: N-09338

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 03/16/2021 9:55 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	**1.7***		1	ug/L	1	03/17/2021 12:35	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	105%		1	%REC		03/17/2021 12:35	003 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.
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U - Indicates the compound was analyzed for, but not detected

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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

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902840
Collected : 03/08/2021 12:45 PM Point N-10863
Received : 03/08/2021 01:05 PM Location Massapequa 8 Well
Collected By CLIENT

Lab No. : 70164939004
Client Sample ID.: N-10863

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 03/16/2021 9:55 AM

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	<0.020		1	ug/L	1	03/17/2021 12:54	004 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	106%		1	%REC		03/17/2021 12:54	004 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.
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WorkOrder :
70164939

Laboratory Certifications

Pace Analytical Services Long Island

Delaware Certification # NY10478
Virginia Certification # 460302
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

WO# : 70164939

70164939

47

Sample Request Form
PUBLIC WATER SUPPLIER

Date: 3/8/21

Collected By: John Dunn

Accepted By: Mikey Sm (B)

Cooler Temp: 10.6 °C 3/5/21 1305

❑ WELL OFF LINE _____

❑ WELL RUN TO SYSTEM _____

❑ YES ❑ NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: New York American water

Address: 60 Brooklyn Ave Merrick N.Y 11566

Phone #: 516 233 4325

Attn: John Dunn

Proj. # or (Name): _____

Bill To: Merrick OBS 2902840

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	Field Readings pH/Temp	Analysis	Lab No.
3/8 935	PW	N-10195	RW		RO		4.9 50F	1,4-Dioxane	001
3/8 1020	PW	N-08031	RW		RO		5.0 48F	1,4-Dioxane	002
3/8 1110	PW	N-09338	RW		RO		4.9 50F	1,4-Dioxane	003
3/8 1245	PW	N-~~10195~~ 10863 JSF 3/16/21	RW		RO		4.6 48F	1,4-Dioxane	004

Remarks: 1st Quarter sampling

Sample Condition Upon Receipt

Pace Analytical®

WO#: 70164939

PM: JSA Due Date: 03/22/21
CLIENT: NYAW

Client Name: NYAW Proje

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

Tracking #:

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

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

Thermometer Used: TH091 Correction Factor: +0.0

Cooler Temperature(°C): 10.6 Cooler Temperature Corrected(°C): 10.6

Temp should be above freezing to 6.0°C

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

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

Date and Initials of person examining contents: 3/8/21 JP

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 orignate 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:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	~~☐ Yes~~	☑ No		12. See below.
-Includes date/time/ID, Matrix:	SL (WT) OIL			
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
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:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: JOHN DUNN Date/Time: 3/8/21 @ 3:42

Comments/ Resolution: COC reads N-10195 @ 12:45 Bottles reads N-10863 @ 12:45. ID taken from bottle per client

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

ENV-FRM-MELV-0024 00

Pace Analytical®
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

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902840
Collected : 03/04/2021 10:30 AM Point N-14347
Received : 03/04/2021 12:47 PM Location Seaman Neck #3
Collected By CLIENT

Lab No. : 70164634001
Client Sample ID.: N-14347

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 03/12/2021 12:46

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	**1.7***		1	ug/L	1	03/13/2021 1:34 AM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	101%		1	%REC		03/13/2021 1:34 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

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

Date Reported: 03/15/2021

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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WorkOrder :
70164634

Laboratory Certifications

Pace Analytical Services Long Island

Delaware Certification # NY10478
Virginia Certification # 460302
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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(631) 694-3040 Fax: (631) 420-8436

Sample Request Form
PUBLIC WATER SUPPLIER

WO# : 70164634

70164634

Date: 3/5/21 (B)
Collected By: John Dunn
Accepted By: Courtney Pati 3/4/21
Cooler Temp: 14.9 °C 12:47

☒ WELL RUN TO SYSTEM

☒ YES ☐ NO VOC'S PRESERVED WITH HCl

Client Info:
Name or Code: New York American water
Address: 60 Brooklyn Ave Merrick NY, 11566
Phone #: 516 233 4325
Attn: John Dunn
Proj. # or (Name): Merrdcops 2902840
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	Field Readings pH/Temp	Analysis	Lab No.
3/4 1030	PW	N 14347 SN3	RW		RO		4.9 50F	1st Quarter 1-4 Dioxane	

Remarks:

Pace Analytical®

Sample Condition Upon Recei

WO# : 70164634

PM: JSA **Due Date: 03/18/21**

CLIENT: NYAW

Client Name: NYAW Project

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

Tracking #:

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

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

Thermometer Used: TH091 Correction Factor: +0.0

Cooler Temperature(°C): 14.9 Cooler Temperature Corrected(°C): 14.9

Temp should be above freezing to 6.0°C

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

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

Date and Initials of person examining contents: CM 3/4/21

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 orignate 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:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID, Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐Yes	☐No	☑N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐Yes	☐No	☑N/A	
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:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐Yes	☐No	☑N/A	15.
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16.
Trip Blank Present:	☐Yes	☐No	☑N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

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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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

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Mike Nofi
Federal ID : 2902840
Collected : 01/26/2021 10:30 AM Point N-09338
Received : 01/26/2021 12:11 PM Location Seamanneck 4 Well
Collected By CLIENT

Lab No. : 70160514001
Client Sample ID.: N-09338

Sample Comments:
RUN TO WASTE

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 01/28/2021 12:04

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	**1.3***		1	ug/L	1	01/28/2021 8:55 PM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	107%		1	%REC		01/28/2021 8:55 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

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

Date Reported: 02/03/2021

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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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

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Mike Nofi
Federal ID : 2902840
Collected : 01/26/2021 10:50 AM Point N-14347
Received : 01/26/2021 12:11 PM Location Seaman Neck #3
Collected By CLIENT

Lab No. : 70160514002
Client Sample ID.: N-14347

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 01/28/2021 12:04

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	**2.0***		1	ug/L	1	01/29/2021 8:42 AM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	107%		1	%REC		01/29/2021 8:42 AM	002 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

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

Date Reported: 02/03/2021

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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WorkOrder :
70160514

Laboratory Certifications

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

WO# : 70160514

70160514

Sample Request Form
PUBLIC WATER SUPPLIER

Date: 11/26/21

Collected By: John Dunn (B)

Accepted By: Mally Sm

Cooler Temp: 13.8 °C 1211 11/26/21

☒ WELL OFF LINE N-09938

☒ WELL RUN TO SYSTEM N-14347

❑ YES ❑ NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: New York American water

Address: 60 Brooklyn Ave Merrick NY, 11566

Phone #: 516 233 4325

Attn: John Dunn

Proj. # or (Name):

Bill To: Merrick OPS 2902840

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	Field Readings pH/Temp	Analysis	Lab No.
11/26 1030	PW	N-09338	RW		RO			1-4 Dioxane	001
11/26 1050	PW	N-14347	RW		RO			1-4 Dioxane	002

Remarks:

Pace Analytical®

Sample Condition Upon Rece

WO#: 70160514
PM: JSA **Due Date: 02/04/21**
CLIENT: NYAW

Client Name: NYAW 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: TH69 Correction Factor: -0.2

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 13.8 Cooler Temperature Corrected(°C): 13.6

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: 1/26/21 JP

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 orignate 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:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID, Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	Sample #
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:	☐ Yes	☐ No	☑ 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?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐ Yes	☐ No	☑ N/A	16.
Trip Blank Present:	☐ Yes	☐ No	☑ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 00

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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

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902840
Collected : 03/15/2021 10:30 AM Point N-07407
Received : 03/15/2021 02:32 PM Location Jefferson 11 Well
Collected By CLIENT

Lab No. : 70165751001
Client Sample ID.: N-07407

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 03/18/2021 12:39

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	1.0		1	ug/L	1	03/20/2021 3:31 AM	001 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	109%		1	%REC		03/20/2021 3:31 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

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

Date Reported: 03/25/2021

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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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

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola
Federal ID : 2902840
Collected : 03/15/2021 10:45 AM Point N-08253
Received : 03/15/2021 02:32 PM Location Jefferson 12 Well
Collected By CLIENT

Lab No. : 70165751002
Client Sample ID.: N-08253

Sample Comments:
RUN TO WASTE

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 03/18/2021 12:39

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	0.23		1	ug/L	1	03/20/2021 3:50 AM	002 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	104%		1	%REC		03/20/2021 3:50 AM	002 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

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

Date Reported: 03/25/2021

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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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

New York American Water - Merrick OPS
60 Brooklyn Avenue
Merrick, NY 11566
Attn To : Natasha Niola

Lab No. : 70165751003
Client Sample ID.: GAC-3S/4S

Federal ID : 2902840
Collected : 03/15/2021 12:25 PM Point GAC-3S/4S
Received : 03/15/2021 02:32 PM Location Seamanneck Wells 3/4
Collected By CLIENT

Analytical Method: EPA 522 Prep Method: EPA 522 Prep Date: 03/18/2021 12:39

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,4-Dioxane (p-Dioxane)	**1.9***		1	ug/L	1	03/20/2021 4:09 AM	003 AG2R1/2
Surr: 1,4-Dioxane-d8 (S)	107%		1	%REC		03/20/2021 4:09 AM	003 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

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

Date Reported: 03/25/2021

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

Pace Analytical®
575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

WorkOrder :
70165751

Laboratory Certifications

Pace Analytical Services Long Island

Delaware Certification # NY10478
Virginia Certification # 460302
575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

WO#: 70165751

70165751

Sample Request Form
PUBLIC WATER SUPPLIER

Date: 3/25/21

Collected By: John Dunn

Accepted By:

Cooler Temp: 13.9 °C

(B) 1437 3/15/21

❑ WELL OFF LINE _____

❑ WELL RUN TO SYSTEM _____

❑ YES ❑ NO VOC'S PRESERVED WITH HCl

Client Info:

Name or Code: New York American water

Address: 60 Brooklyn Ave
Merrick NY 11566

Phone #: 516 233 4325

Attn: John Dunn

Proj. # or (Name):

Bill To: Merrick OPS 2902840

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	Field Readings pH/Temp	Analysis	Lab No.
3/15 1030	PW	N-07407 Jeff 11	RW		RO			1-4 Dioxane	Run to System
3/15 1045	PW	N-08253 Jeff 12	RW		RO			" "	Run to waste
3/15 1225	PW	GAC 35/45	RW		RO			" "	Run to System

Remarks: 1st Quarter Sampling

Sample Condition Upon Receipt

Pace Analytical®

WO# : 70165751
PM: JSA **Due Date: 03/29/21**
CLIENT: NYAW

Client Name: NYAW Projec

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

Tracking #: N/A

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

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

Thermometer Used: TH091 Correction Factor: +0.0

Cooler Temperature(°C): 13.9 Cooler Temperature Corrected(°C): 13.9

Temp should be above freezing to 6.0°C

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

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

Date and Initials of person examining contents: KW 3/15/21

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 orignate 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:	☒Yes	☐No		1.
Chain of Custody Filled Out:	☒Yes	☐No		2.
Chain of Custody Relinquished:	☒Yes	☐No		3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume: (Triple volume provided for	☒Yes	☐No		8.
Correct Containers Used:	☒Yes	☐No		9.
-Pace Containers Used:	☒Yes	☐No		
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☒Yes	☐No		12.
-Includes date/time/ID, Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☐Yes	☐No	☒N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐Yes	☐No	☒N/A	Sample #
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:	☐Yes	☐No	☒N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
SM 4500 CN samples checked for sulfide?	☐Yes	☐No	☒N/A	15.
Lead Acetate Strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	16.
Trip Blank Present:	☐Yes	☐No	☒N/A	17.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

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

ENV-FRM-MELV-0024 00