

SUFFOLK COUNTY WATER AUTHORITY

Production Control - Bay Shore, New York

INTER-OFFICE CORRESPONDENCE

DATE: December 16, 2024

TO: Jeffrey Szabo, CEO

FROM: Michael O'Connell, Director of Production Control
Timothy Kilcommons, P.E., Chief Engineer & Dir. of R&D

SUBJECT: Emerging Contaminants Action Plan Monthly Update

The Suffolk County Water Authority has for years proactively addressed emerging contaminants in groundwater such as the perfluorinated compounds PFOA and PFOS and 1,4-dioxane, both through comprehensive testing and the development and implementation of innovative treatment technologies.

The following is the latest monthly update to the Emerging Contaminants Action Plan requested by the SCWA Board to provide the public with up-to-date information about the steps being taken to ensure that SCWA meets or surpasses the rigorous regulations established by New York State to remove these compounds from our groundwater. This update covers the period from November 18, 2024, to date.

PFAS

Two GAC systems for Station Rd (North Bellport) have been installed, piped and carbon has been loaded. Well #1A was assigned to one set. Well #3A will remain out of service but is now ready to go in spring 2025. The existing Model 10 GAC was emptied and has been relocated to Liberty St. for Well #3. A third Model 12 GAC was delivered on 10/23/24.

Two GAC systems for Crystal Brook Hollow Rd #2 and #4 (Mt. Sinai) have been delivered. CM has completed the yard piping. PC will load them with carbon in the spring. New systems for Horseblock Rd #2 (Farmingville) and Nichols Rd #2A have been delivered. Additional GAC systems are on order for other wells and site work continues prior to receiving delivery of these systems and others. New sites include Hawkins Rd #3 (Centereach), Boyle Rd. South #1(Selden) and Bicycle Path #1 (Port Jefferson Station).

On April 10, 2024, the EPA published the final rule to set MCLs for PFOA and PFOS at 4.0 parts per trillion (PPT). This is significantly less than the current NYS MCL of 10 PPT and will supersede it. The EPA also set MCLs of 10.0 for an additional 3 PFAS compounds and a calculated Hazard Index MCL of 1 for a group of 4 PFAS compounds. Compliance with these new MCLs must be completed before April 10, 2029. Since the Authority was well on its way to meeting ½ the NYS MCL of 10.0 ppt; we are in a good position to be compliant with the new MCLs well before 2029. The PFOA/PFOS status list has been updated to include all wells impacted by the new federal MCLs.

Given that the EPA has published its final rule, NYS is now preparing to implement their PFAS rule that was published on October 5, 2022, and delayed due to federal action on PFAS compounds. Now that there is certainty on the federal level, the state, through its primacy process, will implement the federal regulation and dovetail their proposed PFAS regulation that includes four (4) additional MCLs for PFAS compounds, a combined MCL for six (6) additional PFAS compounds and notification levels for nineteen (19) additional PFAS compounds into the final NYS PFAS regulation. The state has not provided a timetable for implementation, but it is expected to be sooner than the 2029 deadline set by the EPA. The authority is currently evaluating the impact of these regulations, specifically, the number of additional carbon filtration systems along with any additional carbon exchanges that will be needed to comply with the more stringent MCLs.

1,4-dioxane

Work continues to progress on the installation of the seventeen (17) AOP systems in Phase 1 and work continues at Phase 2 sites. As of this month, only two Phase 1 sites are still under construction. The other fifteen sites are in service.

Phase One Sites:

Smith St. East Farmingdale - SCWA submitted final contract plans to NYSDOH for this AOP system in late March 2021. The Health Department approved these plans on June 1, 2021. The Board awarded the contract for this project in September 2021. Construction of the GAC building addition for the AOP equipment is complete. The existing generator fuel tank was removed to make way for a new larger generator that can power the well and AOP system. That generator has been delivered and placed in service. Installation of the AOP reactors is complete and startup work has begun. Xylem is on site for final programming and shake down.

Flower Hill Rd (Halesite) – All construction related to the AOP systems at this site is complete. Well #1 was placed on AOP treatment on 07/11/23. Well #2 was placed on AOP treatment on 07/28/23 and Well #3 went on treatment on 08/03/23. To date the systems are performing as designed.

Hollywood Pl (Huntington) - All construction related to the AOP system at this site is complete. Well #1 was placed on AOP treatment on 08/09/23. The system has been performing as designed.

McKay Rd. (Huntington Station) - All construction related to the AOP system at this site is complete. Well #1 was placed on AOP treatment on 08/07/23. The system has been performing as designed.

Waterside Rd. (Northport) – All construction related to the AOP system at this site is complete. Well #2 was placed on AOP treatment on 08/28/23. The system has been performing as designed.

Douglas Ave (Northport) - All construction related to the AOP system at this site is complete. Well #1 was placed on AOP treatment on 08/23/23. Well #2 was placed on AOP treatment on 09/21/23. Both systems have been performing as designed.

Falcon Dr. (Hauppauge) – All construction related to the AOP systems at this site is complete. Pump #2A was placed on AOP treatment on 03/25/24. Pump #2B was placed on AOP treatment on 04/02/24 and Well #1 was placed on AOP treatment on 04/03/24. All three systems are currently performing as designed.

Broadway (Huntington) – All construction related to the two (2) AOP systems at this site are complete. Well #1A was placed on AOP treatment on 04/29/24. Well #2 was placed on AOP treatment on 05/02/24. Both systems are currently performing as designed.

Old Dock Rd (Kings Park) - The new well Old Dock Rd #2 has been drilled and construction has been completed. This well was constructed with the knowledge that it will require an AOP treatment system. It is replacing Carlson Ave #5 and #6 (Kings Park), both of which require AOP but are very old wells and are located on a site that does not have enough room for more treatment systems. A contract for the new AOP/GAC building was awarded in April 2023 and the building is complete. Also approved was the AOP reactor for Well #2. A new GAC system for Well #2 has been delivered. CM has completed yard piping tie-ins for the additional GAC. An AOP Mechanical installation contract was awarded at the May 2024 Board meeting. That mechanical contract has been executed and mechanical installation is underway with the installation of large diameter piping. The building electrical contractor has completed the building light, heat and power. They will re-mobilize for AOP equipment control wiring when the Mechanical contractor is ready for those components to be operational.

Middleville Rd (Fort Salonga) – All construction related to the two (2) AOP systems at this site are complete. NYSDOH approval was received on 08/28/24. Well #1 was placed on AOP treatment on 09/10/2024. Well #2 was placed on AOP treatment on 09/11/2024.

Phase Two Sites:

Sunken Meadow Park (Kings Park) – The GAC building addition has been completed. Both wells remain in service and are under the MCL.

Lawrence Rd (Kings Park) – Four new GAC systems have been installed for future AOP systems at that site and PC has placed three of the four systems in service. A contract for two AOP/GAC buildings was awarded in June 2023 and building construction is complete. The electrical contractor is now finishing the installation of lights and heat.

Peconic St (Lakeland) – An additional GAC system for Well #2 has been delivered and CM has installed yard piping. A contract for an AOP/GAC building over the 2 systems was awarded and the building construction has been completed; the electrical contractor is finishing the installation of lights and heat. PC has loaded one set of vessels and placed Well #2 in service on GAC on a seasonal basis.

Third Ave (Brentwood) – Work is about to begin on a major electrical reconstruction and upgrade in preparation for an AOP system for Well #3A. A new emergency generator that can power 2 wells and the future AOP has been delivered and it will be connected over the winter.

Site work continues for future AOP sites and electrical upgrade work where required continues.

Emerging Contaminant Wells Current Status

As of this writing, all wells that have PFCs above the New York State MCL are either being treated to remove the contaminants or have been removed from service until treatment is installed. Wells that are above the new Federal MCLs are either being treated to remove the contaminants, out of service or where possible they are blended or have their run time managed to maintain lower levels. Additional

GAC systems for these wells continue to be designed and ordered. The current lead time for GAC systems is at least 12 months.

Similar strategies apply to 1,4-dioxane management. Wells that have 1,4-dioxane above the MCL are on treatment, out of service or being blended with other wells so that 1,4-dioxane levels entering distribution are below the MCL. Treatment is either by an AOP system or GAC. Carbon does remove 1,4-dioxane, not well, but it does for a short period of time. This has and will continue to escalate our carbon and labor expenses, but this approach ensures that the water entering our system has the lowest possible 1,4-dioxane concentrations while at the same time ensures our ability to meet demand for both domestic and emergency use by our customers.

The Authority has and continues to make constant progress on the completion of Phase 1 of the Emerging Contaminant Action Plan. Site work, foundations and equipment procurement have begun for Phase 2 of the Emerging Contaminant Action Plan. We are now beginning the planning stages for Phase 3 to eventually include all wells that have detections of PFC's and 1,4-dioxane.

Cc: J. Pokorny
T. Schneider
J. Milazzo

Emerging Contaminant Wells Current Status

12/16/2024

All Wells > 1/2 MCL

PFOA / PFOS NYS MCL = 10.0 ppt Federal MCL = 4 .0 ppt
 PFHxS/PFNA Federal MCL = 10 ppt
 Hazard Index (PFBS,PFHxS, PFNA, HFPO-DA) = calculated figure of 1 - Federal

Zone	Station	Well	Recent levels (PFOA/PFOS)	Recent levels (PFHxS/PFNA)	Recent levels Hazard Index	Current Status	Action plan (Planning window = 4 months)	Date Treatment I/S or Blend Started	Authorization(s)	Authorization(s) Value to Date (\$)
1	Albany Ave	5A	2.1/ND	2.1/ND	0.24	O/S	Monitor. O/S for a pump replacement			
1	Bellmore Ave	1	9.1/8.8			O/S	On GAC. Well screen failed, well being retired and replaced in the future.	4/24/2020	195-20-00-0068	\$ 37,512
1	Church St Hol	1A	9.2/6.8	2.5/ND	0.36	O/S	On outdoor GAC - Seasonal	5/7/2019		
1	Church St Hol	2	22/24	14/ND	1.84	O/S	Well I/S on seasonal GAC	5/24/2024	195-24-00-0056	\$ 225,048
1	Fisher Ave	1	2.3/2.0	ND/ND	ND	O/S	Monitor - O/S for retirement. To be replaced by Well #1A			
1	Fisher Ave	4	2.7/5.5	2.2/ND	0.27	I/S	Monitor			
							Received DHS approval to treat with resin (ion exchange) in portable GAC system; first approval of resin for PFC's in NY. Outdoors - seasonal New permanent resin vessels delivered & piped. Resin in on 04/13/24.			
1	Foxcroft Ln	1A	5.4/30	16/ND	1.84	O/S	Assigned to seasonal Resin "A" with Well #1A on 06/11/2024	5/30/2019	055-18-00-0019	\$ 165,590
1	Foxcroft Ln	2	6.0/26	7.2/5.0	1.31	O/S		6/11/2024	195-24-00-0057	\$ 249,936
1	Greenbelt Pkwy	1A	ND/3.2	6.6/ND	0.73	I/S	Monitor			
1	Gus Guerrero	1	9.2/140	57/ND	6.45	O/S	On outdoor GAC - Seasonal	7/27/2016	055-17-00-0016	\$ 182,842
1	Gus Guerrero	2	ND/5.1	2.6/ND	0.29	O/S	Removed from GAC due to decrease in levels 11/2020.	7/11/2017		
1	Meetinghouse Rd	12A	25/480			I/S	On GAC	6/10/2016	055-17-00-0015	\$ 788,844
1	Meetinghouse Rd	14	180/480			I/S	On GAC	6/10/2016	055-18-00-0015	
1	Meetinghouse Rd	17	350/3400			O/S	On GAC - O/S for well repairs	6/10/2016		
1	Meetinghouse Rd	19	95/1100			O/S	On GAC - O/S for well repairs	6/10/2016		
1	Meetinghouse Rd	22	2.2/37	24/ND	2.69	I/S	On GAC	7/27/2016	055-17-00-0013	\$ 29,528
1	Old Country Rd	1A	4.9/12	7.1/ND	0.92	O/S	On outdoor GAC - Seasonal	5/5/2023	195-22-00-0056	\$ 516,448
									055-19-00-0020,	
1	Old Country Rd	4	3.0/14	14/ND	1.60	O/S	On outdoor GAC - Seasonal	6/26/2020	195-20-00-0053	\$ 802,282
1	Railroad Ave	2	4.4/3.2	ND/ND	0.11	I/S	Monitor		195-24-00-0052	
1	Smith St	7	ND/ND	ND/2.5	0.45	I/S	Monitor			
1	Smith St	8	ND/5.3	2.4/5.7	0.84	I/S	Monitor			
1	Station Rd	1A	5.4/8.4	4.0/ND	0.53	O/S	On outdoor GAC - Seasonal	3/14/2020	055-19-00-0015	\$ 417,765
1	Station Rd	2A	6.1/4.4			O/S	New GAC delivered. Piping complete. GAC loaded, ready for spring		195-24-00-0052	
6	West Neck Rd	2	3.8/ND	ND/ND	0.14	I/S	Blended inside Well #1	5/25/2012		
10	Ruth Blvd	2	ND/7.6	3.6/ND	0.40	O/S	Well assigned to GAC 5/18/21 - Seasonal	5/18/2022	055-21-00-0007	\$ 670,255
10	Ruth Blvd	3	ND/9.3	3.6/ND	0.40	O/S	Well assigned to GAC "B" 09/08/22 - Seasonal	9/8/2022	055-19-00-0018	\$ 23,057
11	St. Johnsland Rd	1	4.6/3.6	2.1/ND	0.27	I/S	Monitor - New GAC on order			
12	Baily Rd	3	ND/3.6	ND/ND	0.15	I/S	Monitor			
12	Blue Point Rd	1	7.3/3.7	4.0/ND	0.45	O/S	On outdoor GAC - Seasonal	7/12/2023	195-22-00-0058	\$ 516,448
12	Blue Point Rd	4A	5.4/2.9	3.9/ND	0.48	O/S	On outdoor GAC - Seasonal.	5/8/2024	195-23-00-0059	\$ 571,130
12	Carrol St	2	6.3/4.5	2.6/ND	0.29	I/S	Monitor			
12	Country Club Dr	1A	2.6/ND	ND/ND	ND	I/S	Monitor			
12	Country Club Dr	3	2.6/ND	ND/ND	ND	I/S	Monitor			
12	Fairmount Medford	1	2.4/ND	5.9/ND	0.66	I/S	Monitor			
12	Fairmount Medford	2	3.2/2.1	ND/ND	0.19	I/S	Monitor			
12	Hallock Ave	1	ND/13	6.1/ND	0.76	O/S	On outdoor GAC - Seasonal	4/27/2022	195-21-00-0061	\$ 758,862
12	Hallock Ave	2	ND/ND	3.5/ND	0.39	I/S	Levels have dropped with Well #1 on GAC, monitor			
12	Hallock Ave	3	ND/5.2	2.1/ND	0.34	O/S	Levels drop when Well #1 on GAC is in service, monitor. Locked in Call-3			
12	Horseblock Rd	2	6.4/2.5	3.7/ND	0.41	I/S	Monitor - New GAC delivered 11/04/24		195-24-00-0052	
12	Hurtin Blvd	1	4.1/2.8	ND/ND	0.16	O/S	GAC delivered, CM piping complete. Carbon loaded, I/S 08/16/24	8/16/2024		
12	Hurtin Blvd	3	5.1/5.2	6.0/ND	0.75	O/S	GAC delivered, CM piping complete. Carbon loaded, I/S 08/16/24	8/16/2024	195-24-00-0051	\$ 853,800
12	Knight St	6	3.4/ND	ND/ND	0.16	I/S	Existing O/S GAC, will prepare for service			
12	Liberty St	2	9.2/7.4	5.9/ND	0.65	O/S	On outdoor GAC - Seasonal	4/22/2023	195-22-00-0069	\$ 94,827
12	Liberty St	3	3.1/2.1	ND/ND	0.11	I/S	With rotations, runs every other day - Locked in Call-3 GAC relocated to site.		195-24-00-0052	
12	Lincoln Ave	2	ND/12	4.6/2.1	0.72	I/S	On GAC	3/19/2021	195-21-00-0065	\$ 549,854

Zone	Station	Well	Recent levels (PFOA/PFOS)	Recent levels (PFHxS/PFNA)	Recent levels Hazard Index	Current Status	Action plan (Planning window = 4 months)	Date Treatment I/S or Blend Started	Authorization(s)	Authorization(s) Value to Date (\$)
12	Morris Ave	1	3.7/3.5	5.6/ND	0.62	I/S	Monitor - Decreased since Well #4 went on GAC - Mobil resin filter relocated to site		195-20-00-0059 195-23-00-0056	\$ 1,276,586
12	Morris Ave	2A	6.1/5.0	12/ND	1.35	O/S	On outdoor GAC - Seasonal	4/22/2025		
12	Morris Ave	3	5.8/3.3	8.3/ND	0.95	I/S	GAC system will be on next order			
12	Morris Ave	4	5.7/33	28/ND	3.14	O/S	On outdoor GAC - Seasonal	6/28/2020	195-20-00-0054	\$ 118,797
12	Nichols Rd	2A	ND/4.6	ND/ND	0.22	I/S	Monitor - GAC delivered		195-24-00-0052	
12	Nichols Rd	3	ND/2.3	ND/ND	0.12	I/S	Monitor			
12	Patch - Yaphank Rd	1	3.9/2.8	2.5/ND	0.33	I/S	Monitor			
12	Patch - Yaphank Rd	2	2.1/ND	3.4/ND	0.37	I/S	Monitor			
12	Pierson St	1	10/5.4	3.4/ND	0.43	O/S	On outdoor GAC - Seasonal	5/10/2021	195-21-00-0068	\$ 639,167
12	Pierson St	2	7.6/8.2	2.2/ND	0.31	O/S	On outdoor GAC - Seasonal	5/26/2021	195-21-00-0068	\$ 639,167
12	Pierson St	3	4.7/3.2	ND/ND	0.23	I/S	Monitor			
12	Plymouth St	1A	8.6/17	6.6/ND	0.79	I/S	On GAC	4/13/2021	195-21-00-0062 195-23-00-0063 195-21-00-0062,	\$ 934,044
12	Plymouth St	2A	6.8/12	10/ND	1.18	I/S	On GAC	4/29/2021	195-23-00-0063	\$ 1,096,359
12	South Howell Ave	3	2.5/2.5	3.9/ND	0.43	I/S	Monitor			
12	Station Rd	3A	4.0/4.8			O/S	New GAC delivered. GAC loaded, ready for spring		195-24-00-0052	
12	Sy Ct	3	11/7.9	2.3/ND	0.39	O/S	On outdoor GAC - Seasonal	10/28/2020	195-20-00-0056, 195-20-00-0061	\$ 724,517
12	Townline Rd Nes	1A	8.4/8.6	5.5/ND	0.69	I/S	On GAC	2/10/2020	055-19-00-0014	\$ 100,412
12	Wheeler Rd	3	7.1/17	4.5/7.4	1.24	I/S	On GAC	3/8/2021	195-21-00-0063	\$ 75,433
12	Wheeler Rd	4	ND/ND			O/S	Since Well #3 went on GAC, levels have dropped. O/S for 1,4 dioxane			
12	Wheeler Rd	5	2.7/6.1			I/S	On GAC	9/6/2019	055-19-00-0017	\$ 15,888
12	William Floyd Pkwy	1	ND/2.5	ND/ND	ND	I/S	Blended with Well #2			
12	William Floyd Pkwy	2	ND/2.2	ND/ND	ND	I/S				
12	William Floyd Pkwy	3A	2.2/5.3	ND/ND	ND	I/S	Monitor			
15	Belle Terre Rd	1	ND/ND	3.0/ND	0.33	I/S	Monitor			
15	Belle Terre Rd	2	ND/ND	2.8/ND	0.31	I/S	Monitor			
15	Bicycle Path	1	9.0/4.9	2.6/ND	0.35	I/S	Blended for Mn for many years. Monitor. Last blend was 3.6/2.5/ND/ND		195-24-00-0052	
15	Boyle Rd PJ	1	2.5/ND	ND/ND	0.20	I/S	Monitor			
15	Boyle Rd PJ	2	7.8/3.9	4.9/ND	0.57	O/S	Blended for nitrates for many years. Seasonal GAC	5/9/2024	195-23-00-0058	\$ 1,004,170
15	Boyle Rd PJ	3	5.7/4.5	4.2/ND	0.47	I/S	Next round of GACs			
15	Boyle Rd South	1	5.0/3.8	2.2/ND	0.31	I/S	Monitor, new GAC on order.			
15	College Rd	2	4.0/ND			O/S	Monitor, blended with #4 for chlorides. Pump failure, hole in screen.	10/27/2016		
15	College Rd	4	2.2/ND	ND/ND	0.12	I/S	Monitor			
15	Crystal Brook Hollw	2	5.8/8.0	6.1/ND	0.68	O/S	New GAC delivered. Piping completed, spring start-up	5/15/2023	195-25-00-0052 195-24-00-0052	\$ 117,402
15	Crystal Brook Hollw	4	6.0/6.1	2.9/ND	0.33	I/S	Monitor - New GAC delivered. Piping completed, spring start-up		195-25-00-0052	\$ 117,402
15	Daniel Webster Dr	1	4.2/2.3	ND/ND	0.11	I/S	Monitor			
15	Dare Rd	2	4.4/4.8	2.0/ND	0.31	I/S	Monitor			
15	Edgewood Ave SJ	1A	19/7.5	4.3/32	3.72	I/S	On GAC	5/14/2021	195-21-00-0064	\$ 579,263
15	Edgewood Ave SJ	2	4.5/3.4	ND/4.3	0.63	I/S	Monitor.			
15	Fairmount Medford	3	9.6/9.3	5.1/ND	0.64	O/S	On Seasonal GAC	5/19/2020	055-19-00-0021, 195-20-00-0052	\$ 609,567
15	Flint Ln	1	6.3/4.6	5.2/ND	0.50	O/S	On Seasonal GAC	5/28/2021	195-20-00-0057	\$ 157,860
15	Flint Ln	2	6.1/5.3	3.3/ND	0.45	O/S	On Seasonal GAC	5/15/2021	195-20-00-0063	\$ 1,051,739
15	Hawkins Rd	2	2.1/ND	ND/ND	0.14	I/S	Monitor			
15	Hawkins Rd	3	6.2/8.0	5.7/ND	0.67	O/S	Blended with Well #2. New GAC delivered	5/25/2023	195-24-00-0052	
15	Henry Clay Dr	1	ND/2.2	ND/ND	0.21	I/S	Monitor			
15	Henry Clay Dr	2	ND/2.2	ND/ND	0.22	I/S	Monitor			
15	Horseblock Rd	1	8.0/3.0	3.4/ND	0.44	I/S	Already blended for nitrates. Assigned to GAC "B" on 12/27/21	12/27/2021	195-21-00-0067	\$ 724,023
15	Horseblock Rd	3	3.6/2.3	2.4/ND	0.27	I/S	Monitor			
15	Mt. Sinai-Coram Rd	1	ND/4.0	2.7/ND	0.30	I/S	Monitor			
15	Jayne Blvd	4	2.8/ND	ND/ND	ND	I/S	Monitor			
15	North Country Rd	1	3.5/4.8	ND/ND	0.14	O/S	O/S for retirement. To be replaced by Well #1A			

Zone	Station	Well	Recent levels (PFOA/PFOS)	Recent levels (PFHxS/PFNA)	Recent levels Hazard Index	Current Status	Action plan (Planning window = 4 months)	Date Treatment I/S or Blend Started	Authorization(s)	Authorization(s) Value to Date (\$)
15	Oxhead Rd	1A	5.7/110	24/9.9	3.67	O/S	On Seasonal GAC	6/7/2017	055-17-00-0014	\$ 265,494
15	Oxhead Rd	2A	6.8/8.8	3.9/ND	0.45	O/S	On seasonal GAC	6/5/2024	195-23-00-0057 195-24-00-0061	\$ 804,724
15	Oxhead Rd	3	ND/3.4	2.0/ND	0.23	I/S	Monitor	7/1/2017	195-24-00-0052	
15	Oxhead Rd	4	2.3/7.6	7.4/ND	0.83	O/S	Blended inside #1A, Last blend was ND/4.9			
15	Shady Ln	1	3.6/3.4	2.2/ND	0.25	O/S				
15	Stem Ln	1	5.8/41	50/ND	5.58	O/S	On Seasonal GAC	8/6/2020	195-20-00-0058, 195-20-00-0062	\$ 672,080
15	Stem Ln	3	ND/4.4	11/ND	1.22	O/S	On seasonal GAC. I/S 08/14/24	8/14/2024	195-24-00-0060	\$ 64,984
15	Strathmore Ct	1	4.2/2.1			O/S	Well screen failure - will be retired and replaced by #1A in future		195-22-00-0057	\$ 500,448
15	Strathmore Ct	3	5.8/5.7	ND/ND	ND	O/S	On seasonal GAC	5/6/2023	195-23-00-0067	\$ 1,025,075
15	Wheat Path	1	5.8/3.8	3.3/ND	0.39	O/S	On seasonal GAC	5/10/2024		
15	Wheat Path	2A	4.9/2.1	3.3/ND	0.37	I/S	Monitor			
15	Wheat Path	3	6.3/2.9	4.2/ND	0.49	O/S	On seasonal GAC 07/01/24	7/1/2024	195-24-00-0052	
23	Accabonac Rd	1	ND/2.7	ND/ND	ND	I/S	Monitor			
23	Bridgehampton Rd	2B	2.9/ND	ND/ND	ND	I/S	Monitor, GAC is available			
23	Division St	1A	ND/2.3	ND/ND	0.14	I/S	Monitor			
23	Division St	2A	2.0/2.3	3.6/ND	0.40	I/S	Monitor			
23	Long Springs Rd	1A	10/18	6.3/4.1	1.11	I/S	On Seasonal GAC	4/20/2020	055-19-00-0019	\$ 35,490
23	North Magee	2	2.8/3.0	2.9/ND	0.42	O/S	Monitor			
23	North Magee	3	2/13			O/S				
23	North Magee	4	ND/ND	2.8/ND	0.40	I/S	Monitor			
23	Tuckahoe Rd	2	2.6/2.2	5.1/ND	0.57	O/S				
23	West Prospect	1	8.6/30	33/ND	3.72	I/S	On GAC	3/18/2019		
23	West Prospect	2A	ND/6.5	7.4/ND	0.83	O/S	Monitor, seasonal well, runs in last call for Fe			
26	Flamingo Ave	1A	ND/2.0	ND/ND	ND	I/S	Monitor			
26	Montauk St Blvd	1A	3.2/ND	10/ND	1.12	O/S	Blended inside Well #2			
26	Montauk St Blvd	2	2.7/ND	4.6/ND	0.51	I/S	Monitor			
26	South Fulton	2	5.5/5.9			O/S	Seasonal well			
30	Ackerly Pond Ln	3	3.0/ND	ND/ND	ND	I/S	Monitor. Existing GAC capacity available			
30	Alvahs Ln	1	2.2/ND	ND/ND	ND	O/S	Monitor			
30	Kenneys Rd	2	3.1/2.6	ND/ND	0.15	I/S	Monitor			
30	Middle Rd Pec	1	2.1/ND	ND/ND	ND	I/S	Monitor			
30	Middle Rd Pec	3	3.4/ND	ND/ND	ND	I/S	Monitor			
30	Middle Rd Pec	5	2.1/ND	ND/ND	ND	I/S	Monitor			
30	Mill Ln Peconic	1	2.7/ND	ND/ND	0.10	I/S	Monitor			
30	Mill Ln Peconic	2	2.3/ND	ND/ND	ND	I/S	Monitor			
30	Rocky Point Rd	3	2.1/ND	ND/ND	ND	I/S	Monitor			
30	Sound Ave	5	2.9/ND	ND/ND	0.12	I/S	Monitor			
32	County Rd 31	1	ND/3.9	2.3/ND	0.25	O/S	On outdoor GAC - Seasonal	8/19/2020	195-20-00-0055, 195-20-00-0060	\$ 691,008
32	County Rd 31	2	ND/2.5	2.3/ND	0.25	I/S				
66	West Neck SI	5	ND/ND	ND/ND	ND	I/S	Monitor Retired and replaced by Well #5A			
66	West Neck SI	6	2.0/ND	ND/ND	ND	I/S	Monitor Retired and replaced by Well #6A			
	Various						Multiple GAC Filtration Systems		195-24-00-0052	\$ 7,485,696

Total Funds Authorized to date for PFAS related work \$ 21,495,127

Total Funds Authorized to date for Emerging Contaminant Work \$ 52,528,294

Actions typed in RED have occurred in the past 30 days.

Wells highlighted in green are being treated to remove contaminant

All Wells > 1/2 MCL

1,4 Dioxane

MCL = 1.0 ppb

Zone	Station	Well	Recent levels HOP	Current Status	Action plan (Planning window = 4 months)	Date Treatment I/S or Blend Started	Authorization(s)	Authorization(s) Value to Date (\$)	AOP Construction Phase
1	Albany Ave	5A	0.71	O/S	Monitor - O/S for pump replacement	8/23/2016 2/19/2019			
1	Albany Ave	6	1.02	I/S	Blended w/ 4A - Last blend 0.52				
1	Barton Ave	2A	2.05	O/S	Blended w/ any other well. Last blend was 0.78. To remain O/S				
1	Bay Shore Rd	2	0.45	I/S	Monitor				
1	Bellmore Ave	3	0.46	I/S	On GAC. Last GAC eff was 0.59, changed 02/9/23				
1	Brook Ave	4	0.60	O/S	O/S for Mn	8/23/2004 10/31/2016 10/31/2017			
1	Forty First St	6	0.49	I/S	Blended with Well #5 for operational control. Last blend was 0.25				
1	Great Neck Rd	1	3.40	O/S	Blended w/ 2 wells was below 1.0. To remain O/S				
1	Harvest Ln	1A	2.01	O/S	Locked in Call-3. Last blend 0.85. To remain O/S				
1	Harvest Ln	3	0.51	I/S	Monitor				
5	Hollywood Pl	1	1.29	I/S	All work complete. AOP system placed in service 08/09/2023.	8/9/2023	195-20-00-0068, 195-21-00-0052, 195-22-00-0008	\$ 1,097,085	1
5	Mill Lane	13A	0.61	I/S	On GAC. Last GAC Eff was 0.64				
5	Mill Lane	14A	0.34	I/S	1st time over 0.5 03/24, runs every 3rd day.				
6	Broadway	1A	1.14	I/S	All construction complete. AOP system placed in service 04/29/2024	4/29/2024	195-20-00-0066, 195-21-00-0053	\$ 200,023	1
6	Broadway	2	0.42	O/S	All construction complete. AOP system placed in service 05/02/2024. O/S for retirement, will be replaced by Well #2A	5/2/2024	195-20-00-0066, 195-21-00-0053	\$ 200,023	1
6	Broadway	3	0.49	I/S	Monitor; mini-AOP pilot complete; site work, piping has been relocated.		195-20-00-0066, 195-21-00-0053	\$ 200,023	2
6	Flowerhill Rd	1	2.05	I/S	All construction complete. AOP system placed in service 07/11/2023	7/11/2023	195-20-00-0020, 195-21-00-0051, 195-22-00-0007	\$ 618,674	1
6	Flowerhill Rd	2	2.01	I/S	All construction complete. AOP system placed in service 07/28/2023	7/28/2023	195-20-00-0020, 195-21-00-0051, 195-22-00-0007	\$ 618,674	1
6	Flowerhill Rd	3	0.60	I/S	All construction complete. AOP system placed in service 08/03/2023	8/3/2023	195-20-00-0020, 195-21-00-0051, 195-22-00-0007	\$ 618,674	1
6	Harbor Rd	2A	0.43	I/S	Monitor				
6	Jennings Rd	1	0.63	I/S	With rotations, runs every other day.				3
6	Jennings Rd	3	0.67	I/S	With rotations, runs every other day				3
6	Mayfair Dr	1A	0.77	I/S	Mini AOP pilot complete. On GAC. Last GAC exchange 10/29/24.				2
6	Mayfair Dr	2	0.84	I/S	Mini AOP pilot complete. GAC changed 7/10/24. Last GAC Eff was 0.56				2
6	Woodchck Hillw	1A	1.02	O/S	Blended with Wells #2 and #3. Last blend was 0.44. Last carbon change 07/23/24	9/25/2020			2
6	Woodchck Hillw	2	0.51	I/S	Blended inside Well #3. Last blend was 0.59	8/7/2021			3
6	Woodchck Hillw	3	0.46	I/S	GAC exchanged 08/15/23				3
7	McKay Rd	1	1.50	I/S	All work complete. AOP system placed in service 08/07/2023.	8/7/2023	195-20-00-0070, 195-21-00-0055, 195-22-00-0009	\$ 1,062,719	1

Zone	Station	Well	Recent levels HOP	Current Status	Action plan (Planning window = 4 months)	Date Treatment I/S or Blend Started	Authorization(s)	Authorization(s) Value to Date (\$)	AOP Construction Phase
9	Douglas Ave	1	1.84	I/S	All construction complete. AOP system placed in service 08/23/2023	8/23/2023	195-22-00-0051, 195-22-00-0053, 195-21-00-0066, 195-22-00-0051, 195-23-00-0007 195-22-00-0051, 195-22-00-0053, 195-21-00-0066, 195-22-00-0051, 195-23-00-0007	\$ 1,739,215	1
9	Douglas Ave	2	0.70	I/S	All construction complete. AOP system placed in service 09/21/2023	9/21/2023	195-21-00-0059, 195-21-00-0070 195-22-00-0063, 195-24-00-0007	\$ 1,739,215	1
9	Middleville	1	1.27	I/S	New GAC vessels delivered and piped. Building complete. Mechanical contract to install equipment complete. System startup complete. AOP system placed in service 09/10/2024	9/10/2024	195-21-00-0059, 195-24-00-0007	\$ 1,207,123	1
9	Middleville	2	0.65	I/S	Building complete. Mechanical contract to install equipment complete. System startup complete. AOP system placed in service 09/11/2024	9/11/2024	195-21-00-0059, 195-24-00-0007	\$ 636,243	1
9	Sunken Meadow	1	0.66	I/S	Piping relocated - Mini AOP pilot complete. GAC Bldg expansion complete		195-20-00-0065, 195-21-00-0056	\$ 234,602	2
9	Sunken Meadow	2	0.65	I/S	Piping relocated - Mini AOP pilot complete. GAC Bldg expansion complete		195-20-00-0065, 195-21-00-0056	\$ 234,602	2
9	Waterside Rd	2	0.88	I/S	All construction complete. AOP system placed in service 08/28/2023	8/28/2023	195-20-00-0069, 195-21-00-0054, 195-23-00-0009	\$ 1,087,465	IN SERVICE
9	Wayne Ct	1	0.77	I/S	Lock in Call-2. Mini AOP pilot complete. Last GAC Effluent - ND. Last GAC exchange on 09/5/24				2
10	Church St NPT	1	0.65	I/S	Nitrate Blend w/ Washington - last blend 0.21; mini AOP pilot complete.	7/25/2007			2
10	Church St NPT	2A	0.91	I/S	Nitrate Blend w/ Washington - last blend 0.68; mini AOP pilot complete.	8/22/2007			2
10	Laurel Hill Rd	2A	0.55	I/S	Monitor				
10	Reservoir Ave	1A	0.72	I/S	Nitrate Blend w/ Washington - Elec service upgrade and mini AOP pilot complete. Last blend - 0.51	1/22/2016	195-21-00-0069	\$ 36,327	3
10	Reservoir Ave	2	0.64	I/S	Nitrate Blend w/ Washington - Elec service upgrade and mini AOP pilot complete. Last blend - 0.32	5/25/2012	195-21-00-0069	\$ 36,327	3
10	Ruth Blvd	1	0.37	O/S	On seasonal GAC				
10	Ruth Blvd	2	0.49	O/S	On seasonal GAC				
10	Ruth Blvd	3	0.67	O/S	On seasonal GAC w/ Well #1				
10	South Spur	1	1.78	O/S	Blended with Well #3. New carbon installed 8/29/24.	6/8/2021			
10	South Spur	2	1.38	O/S	Remain O/S				
10	South Spur	3	0.89	O/S	Seasonal GAC - monitor				
11	Blue Spruce Ln	2A	0.52	I/S	Monitor				
11	Blue Spruce Ln	2B	0.34	I/S	Monitor				
11	Carlson Ave	5	2.16	O/S	Remain O/S - Retire & replace w/ Old Dock Rd #2				NONE
11	Carlson Ave	6	3.11	O/S	Remain O/S - Retire & replace w/ Old Dock Rd #2				NONE
11	Carlson Ave	7	0.67	I/S	On GAC - Carbon changed 9/25/24. Last GAC Eff 0.22		195-21-00-0074	\$ 27,414	2
11	Cornell Dr	2	0.54	I/S	Reduced pumping. Carbon changed 08/13/24. Last GAC Eff - 0.21				3
11	Kings Park Rd	2A	1.02	I/S	Rotates Call-1, Call-2 daily, Blended with Well #1A. Last blend 0.43	9/26/2022			
11	Lawrence Rd	1A	0.79	I/S	New GAC installed - and I/S. New GAC/AOP building under construction. Locked in Call-2. New carbon 7/31/24. Last GAC Eff 0.60		195-22-00-0061. 195-24-00-0054	\$ 1,400,568	2

Zone	Station	Well	Recent levels HOP	Current Status	Action plan (Planning window = 4 months)	Date Treatment I/S or Blend Started	Authorization(s) Authorization(s)	Authorization(s) Value to Date (\$)	AOP Construction Phase
11	Lawrence Rd	3	3.73	O/S	O/S pending AOP. New GACs for AOP delivered and piped. New GAC/AOP building under construction Blended w/ Well #1A or #2A - AOP mini-pilot complete. Assigned to new GAC 06/16/22. Carbon exchanged 09/12/24. New GAC/AOP building complete. New AOP/GAC building structure complete. Building electric in progress. Mechanical contract for AOP install in progress. Locked in Call-2. New carbon on 10/08/24. New well to replace Carlson Ave #5 and #6. New GAC system delivered. Building structure complete. Mechanical install in progress. See above On GAC - Monitor Monitor. On GAC. Monitor	9/17/2020	195-23-00-0062 195-23-00-0055, 195-24-00-0054 195-21-00-0066, 195-24-00-0054 195-22-00-0071, 195-24-00-0053, 195-25-00-0007	\$ 1,784,775	2
11	Lawrence Rd	4	1.35	O/S			195-24-00-0054 195-22-00-0071, 195-24-00-0053, 195-25-00-0007	\$ 1,188,918	2
11	Old Dock Rd	1	0.94	I/S			040-20-0009, 040-20-0010, 195-22-00-0059, 195-22-00-0071, 195-24-00-0053, 195-25-00-0007	\$ 2,270,006	1
11	Old Dock Rd	2	1.18	O/S				\$ 3,983,076	2
11	Schuyler Dr	1A	0.48	I/S					
11	Wicks Rd	1	0.80	I/S					
11	Wicks Rd	2	0.59	I/S					
12	Capitol Ct	1A	0.50	I/S	Monitor GAC piping relocated to allow for building expansion. Blended inside Well #3. Carbon changed 11/07/24. Seasonal GAC. AOP completed and in service Leave O/S Monitor. On Seasonal GAC.				
12	Commercial Blvd	2A	1.05	O/S		6/10/2023	195-21-00-0060	\$ 45,583	2
12	Commercial Blvd	3	5.05	I/S		3/1/2018	055-14-00-0016	\$ 909,474	IN SERVICE
12	Eastwood Blvd	2A	2.11	O/S					
12	Eastwood Blvd	3	0.49	O/S					
12	Falcon Dr	1	1.05	I/S	All construction completed. AOP system placed I/S 4/3/2024	4/3/2024	195-20-00-0067, 195-21-00-0057, 195-23-00-0008	\$ 519,664	1
12	Falcon Dr	2A	1.10	I/S	All construction completed. AOP system placed I/S 3/25/2024	3/25/2024	195-20-00-0067, 195-21-00-0057, 195-23-00-0008	\$ 519,664	1
12	Falcon Dr	2B	1.00	I/S	All construction completed. AOP system placed I/S 4/2/2024	4/2/2024	195-20-00-0067, 195-21-00-0057, 195-23-00-0008	\$ 519,664	1
12	Lincoln Ave	2	0.49	I/S	Monitor, throttled to 1,200 gpm and on GAC. Monitor Monitor Blended. Blend is still over 1.0 Leave O/S. New GAC installed and piped. AOP/GAC building for both wells under construction. Just exceeded MCL. I/S 8/22/24 now on GAC. Last GAC Eff 0.17 Blended. Seasonal GAC. Last blend was 0.19. Well O/S for retirement to be replaced by Well #3A. Will remain O/S On GAC. Blend with other wells. Carbon exchanged 11/12/24.	8/15/2016	195-23-00-0061, 195-24-00-0055 195-22-00-0060, 195-24-00-0055	\$ 1,199,326	2
12	N Washington	1	0.94	O/S				\$ 1,144,944	2
12	N Washington	2	0.56	I/S					2
12	Oval Dr	4	0.58	I/S					2
12	Peconic St	1	2.60	O/S					3
12	Peconic St	2	1.02	O/S					3
12	Third Ave	3	0.73	O/S		4/1/2019			3
12	Wheeler Rd	4	1.82	O/S		6/16/2023			3
12	Wheeler Rd	6	1.09	O/S		4/13/2021			3
15	Boyle Rd N	1A	1.21	O/S		7/31/2007			
15	Boyle Rd PJ	1	0.58	I/S					
15	Boyle Rd PJ	2	0.39	O/S					
15	Boyle Rd PJ	3	0.48	I/S					

Zone	Station	Well	Recent levels HOP	Current Status	Action plan (Planning window = 4 months)	Date Treatment I/S or Blend Started	Authorization(s)	Authorization(s) Value to Date (\$)	AOP Construction Phase
15	College Rd	3	0.68	I/S	Blended w/ #4 - monitor - Last blend was 0.47	10/27/2016			
15	Daniel Webster	2A	0.36	I/S	Blended from 8/23/16 to 6/27/24 - monitor. Blend not effective so removed.				
15	Hawkins Rd	2	0.59	I/S	Monitor				
15	Horseblock Rd	1	0.45	I/S	Nitrate Blend - monitor. Last blend was 0.24. Now on GAC	5/12/2013			
15	Jayne Blvd	1	0.63	I/S	Nitrate Blend - monitor. Last blend was 0.37. Now on GAC	6/21/2007			
15	Jayne Blvd	2A	1.20	O/S	Blend with #5 and #1. Seasonal GAC. New carbon 8/5/24. Last blend was 0.85	9/17/2020	195-22-00-0062	\$ 516,448	2
15	Jayne Blvd	3	1.13	O/S	Blended w/#4 - carbon exchanged 10/15/24	2/19/2019			2
15	Jayne Blvd	4	0.61	I/S	Monitor				
15	Kayron Dr	1A	0.45	I/S	On GAC - Monitor				
15	Oxhead Rd	2A	0.83	O/S	Blended w/ #3 - monitor - Last blend was 0.65	8/25/2016			
15	Oxhead Rd	3	0.27	I/S	Monitor				
26	Montauk St Blvd	1A	1.00	I/S	Blended. Seasonal. Level tends to increase with pumping.	4/1/2016			3
26	Montauk St Blvd	2	0.60	I/S	Blended. Seasonal. Level increases with pumping				
60	Gazza Blvd	2	2.30	O/S	Carbon changed 7/6/23. Last GAC Eff 0.28		190-19-00-0004,		
60	Smith St Ef	1	22.30	O/S	Construction contract awarded 09/21; Building addition complete, electric and mechanical installation complete. Final start-up in progress.		195-21-00-0071	\$ 1,349,309	1
	Various				Electrical Service Upgrades for AOP		195-20-00-0072	\$ 562,630	
	Various				Electrical Service Upgrades for AOP		195-21-00-0058	\$ 851,784	
	Bulk Storage, pads				Contract awarded		195-22-00-0054	\$ 452,905	
	Various				Mini-AOP by-products pilot testing project		195-20-00-0051	\$ 220,000	
Total Funds Authorized to date for 1,D related work								\$ 31,033,167	

Actions typed in RED have occurred in the past 30 days.

Wells highlighted in green are being treated to remove contaminant