

SUFFOLK COUNTY WATER AUTHORITY

Production Control - Bay Shore, New York

INTER-OFFICE CORRESPONDENCE

DATE: December 15, 2020

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

Pursuant to the Board's request, the following is an update to the Emerging Contaminants Action Plan covering from November 16, 2020 to date. As of August 26, 2020, the proposed limits are now official maximum containment levels.

PFC's

Since the last update, the Calgon continues the construction of the next seven (7) GAC systems that SCWA has issued purchase orders for. The first two (2) systems of these seven were delivered to Plymouth St Well Field in Deer Park on December 9 and 10, 2020. We continue to expect delivery of the remain five systems before the end of 2020. At the same time, work is proceeding to accept these new systems. Engineering has already completed the piping designs for these systems. CM has completed what piping work they can before delivery of the actual vessels. The Civil Engineering department continues with clearing and concrete pad work.

We intend on having all the new systems in service before the peak demand season of 2021.

1,4 Dioxane

SCWA received verbal approval from NYSDOH for the Smith St East Farmingdale AOP system on December 10, 2020. Final plans and specifications must be submitted for written approval. While completing this task we will also finish the contract documents for this project and get it out to bid.

Design work and contract preparation continues with regards to the Mechanical installation, controls, and peroxide delivery systems contracts that will be required to build the AOP systems. Clearing and site work continues for future AOP sites and electrical upgrade work where required is beginning at sites such as Flower Hill Rd in Huntington where the electrical service and transformer was upgraded for the larger electric requirements and SCWA Electricians are now rebuilding the entire control room to modernize equipment and make room for the additional AOP equipment. The Furnish & Deliver

contract for 16 AOP reactors representing the wells at sites awarded WIIA grants has been submitted to NYSDHS and SCDHS for review. This contract was currently out to bid with closing date of January 7, 2021.

Two contracts have been awarded for AOP building additions at 7 locations: Hollywood Pl, McKay Rd, Waterside Dr, Sunken Meadow Park, Broadway, Falcon Dr, and Flower Hill Rd. These additions will house 13 AOP systems. Engineering has completed the design review process for both contractors covering all 7 locations. Those building additions have now been released to the manufacturer for fabrication. Anchor bolt drawings have also been provided which will allow the concrete foundation work to commence upon final approval.

The AOP pilot work needed to obtain NYSDOH approval for the use of AOP at any of our sites continues. Production Control staff utilizing our mini-AOP reactor pilot trailer have completed pilot testing of twenty (20) wells. The trailer is currently at Sunken Meadow Park in Kings Park. Since the last update, pilot work has been completed on Old Dock Rd #1 and Sunken Meadow Park #1. Analysis of the data obtained to date has revealed no surprises in terms of by-product formation resulting from the AOP process.

Engineering has drilled the new well Old Dock Rd #2 in Kings Park and will be installing well casing shortly. This well is being drilled with the knowledge that it will require an AOP treatment system. It will replace 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.

Emerging Contaminant Wells Current Status

As of this writing, all wells that have PFOA or PFOS above the MCL are either being treated to remove the contaminants or are being blended to below the MCL or have been removed from service.

The same applies to 1,4 Dioxane. We continue to add blending where we can or are removing wells from service as soon as we get an analytical result that shows an exceedance of the MCL. We have been fortunate that this is occurring as the seasonal demand is decreasing. We have recently completed carbon exchanges on a few key 1,4 Dioxane wells so that these wells can remain in service on an emergency use only basis. Carbon does remove 1,4 Dioxane, not well, but it does for a short period of time. Therefore, with new carbon, a few wells will be available in the event of an emergency. We anticipate that we will have to do the same at several other wells where the levels of 1,4 Dioxane are just under the MCL but the carbon is no longer removing 1,4 Dioxane and the GAC effluent level is over the MCL.

SCWA applied for a MCL deferral to the NYSDOH. The application is currently being reviewed and we have not had a response to date.

Cc: J. Pokorny
K. Durk
T. Hopkins

Emerging Contaminant Wells Current Status

12/10/2020

All Wells > 1/2 MCL

1,4 Dioxane MCL = 1.0 ppb

| Zone | Station | Well | Recent levels HOP | Current Status | Action planned (Planning window = 4 months) | Date Treatment I/S or Blend Started | Authorization(s) | Authorization(s) Value to Date (\$) |
|------|---------------|------|----------------------|-------------------|--|--|-----------------------------------|--|
| 1 | Albany Ave | 6 | 0.70 | O/S | Blended w/ 4A - Last blend 0.28 | 8/23/2016 | | |
| 1 | Barton Ave | 2A | 2.05 | O/S | Blended w/ any other well. Last blend was 0.78 | 2/19/2019 | | |
| 1 | Brook Ave | 4 | 0.60 | O/S | O/S for Mn | | | |
| 1 | Great Neck Rd | 1 | 3.36 | O/S | 2 well blend was below 1.0. Blended | 10/31/2016 | | |
| 1 | Harvest Ln | 1A | 1.52 | O/S | 2021 will be a 2 well blend. Last blend 0.91 | 10/31/2017 | | |
| 5 | Hollywood Pl | 1 | 1.01 | I/S | Lock in Fire Call to minimize run time. One of two well fields in Zone. Mini AOP pilot complete. New Carbon 10/20; piping relocated, blow-off basin modified | | 195-20-00-0068, 195-21-00-0052 | \$ 518,835 |
| 6 | Broadway | 1A | 1.73 | O/S | 2 well blend was still over 1.0, Stay O/S; mini-AOP pilot complete; site work, piping has been relocated | | 195-20-00-0066, 195-21-00-0053 | \$ 200,023 |
| 6 | Broadway | 2 | 0.89* | I/S | Monitor; mini-AOP pilot complete; site work, piping has been relocated; *GAC Effluent sample | | 195-20-00-0066, 195-21-00-0053 | \$ 200,023 |
| 6 | Broadway | 3 | 0.62 | I/S | Monitor; mini-AOP pilot complete; site work, piping has been relocated | | 195-21-00-0053 | \$ 200,023 |
| 6 | Flowerhill Rd | 1 | 2.82 | O/S | Runs blended with two other wells, last on - first off. Mini AOP pilot complete; site work; piping has been relocated; building expansion project | | 195-20-00-0020, 195-21-00-0051 | \$ 168,625 |
| 6 | Flowerhill Rd | 2 | 2.44 | I/S | New carbon 09/20, Locked in Fire Call, Emergency use only. Mini AOP pilot complete; site work; piping has been relocated; building expansion project | | 195-20-00-0020, 195-21-00-0051 | \$ 168,625 |
| 6 | Flowerhill Rd | 3 | 0.82 | I/S | New carbon 10/20, Locked in Call-4; mini AOP pilot complete; site work; piping has been relocated; building expansion project | | 195-20-00-0020, 195-21-00-0051 | \$ 168,625 |
| 6 | Jennings Rd | 1 | 0.65 | I/S | With rotations, runs every other day | | | |
| 6 | Jennings Rd | 3 | 0.74 | I/S | With rotations, runs every other day | | | |
| 6 | Mayfair Dr | 1 | 0.54* | I/S | With rotations, runs every other day. *GAC Effluent sample | | | |
| 6 | Mayfair Dr | 2 | 0.87* | I/S | With rotations, runs every other day. *GAC Effluent sample | | | |
| 6 | Woodchck Hllw | 1A | 1.37* | O/S | Blended with Wells #2 and #3. *GAC Eff sample | 9/25/2020 | | |
| 7 | McKay Rd | 1 | 1.68 | O/S | Mini AOP pilot complete | | 195-20-00-0070, 195-21-00-0055 | \$ 465,219 |
| 9 | Douglas Ave | 1 | 2.73 | O/S | Mini AOP pilot complete | | | |
| 9 | Douglas Ave | 2 | 1.20 | O/S | Mini AOP pilot complete | | | |
| 9 | Middleville | 1 | 1.18 | O/S | Blended - Mini AOP pilot complete; site work project authorized | | 195-21-00-0059 | \$ 159,693 |
| 9 | Middleville | 2 | 0.99 | I/S | Mini AOP pilot complete; site work project authorized | | 195-21-00-0059 | \$ 159,693 |
| 9 | Sunken Meadow | 1 | 0.65* | I/S | Level has dropped significantly, monitor, piping relocated *GAC Eff Sample - Mini AOP pilot complete | | 195-20-00-0065, 195-21-00-0056 | \$ 234,602 |
| 9 | Sunken Meadow | 2 | 0.65 | I/S | Monitor; piping relocated - Mini AOP pilot in progress | | 195-20-00-0065, 195-21-00-0056 | \$ 234,602 |
| 9 | Waterside Rd | 2 | 1.08 | O/S | Can change carbon for emergency use - Mini AOP pilot complete; site work, building expansion | | 195-20-00-0069, 195-21-00-0054 | \$ 608,715 |
| 9 | Wayne Ct | 1 | 0.97 | I/S | Lock in Call-2. New carbon 11/10/20 | | | |
| 10 | Church St NPT | 1 | 1.20 | I/S | Nitrate Blend w/ Washington - last blend 0.49 | 7/25/2007 | | |
| 10 | Church St NPT | 2 | 1.09 | I/S | Nitrate Blend w/ Washington - last blend 0.59 | 8/22/2007 | | |
| 10 | Reservoir Ave | 1A | 0.78* | I/S | Nitrate Blend w/ Washington - *GAC Effluent Sample; site work project for AOP | 1/22/2016 | 195-21-00-0069 | \$ 36,327 |
| 10 | Reservoir Ave | 2 | 0.55* | I/S | Nitrate Blend w/ Washington - *GAC Effluent Sample; site wrk project for AOP | 5/25/2012 | 195-21-00-0069 | \$ 36,327 |
| 10 | Ruth Blvd | 1 | 0.66* | O/S | With rotations, runs every other day - *GAC Effluent Sample | | | |
| 10 | Ruth Blvd | 3 | 0.65 | I/S | With rotations, runs every other day - monitor Now piped to GAC | | | |
| 10 | South Spur | 1 | 1.21* | O/S | Blend in 2021. Leave O/S, change carbon if needed. *GAC Effluent sample | | | |
| 10 | South Spur | 2 | 1.38 | O/S | Remain O/S - Try to blend if we need more supply | | | |

| Zone | Station | Well | Recent levels HOP | Current Status | Action planned (Planning window = 4 months) | Date Treatment I/S or Blend Started | Authorization(s) | Authorization(s) Value to Date (\$) |
|--|-----------------|------|----------------------|-------------------|---|--|-----------------------------------|--|
| 10 | South Spur | 3 | 0.66 | O/S | Seasonal GAC - monitor | | | |
| 11 | Carlson Ave | 5 | 2.16 | O/S | Remain O/S - Long term, retire and replace w/ Old Dock Rd #2; drilling of Old Dock #2 has commenced | | 040-20-0009, 040-20-00-0010 | \$ 598,311 |
| 11 | Carlson Ave | 6 | 3.11 | O/S | Remain O/S - Long term, retire and replace w/ Old Dock Rd #2; drilling of Old Dock #2 has commenced | | 040-20-0009, 040-20-00-0010 | \$ 598,311 |
| 11 | Cornell Dr | 2 | 0.83 | I/S | Rotates Call-1, Call-2 daily, so only runs every other day | | | |
| 11 | Kings Park Rd | 2A | 0.61 | I/S | Rotates Call-1, Call-2 daily, so only runs every other day | | | |
| 11 | Lawrence Rd | 1A | 0.91 | I/S | With rotations, runs every other day - monitor | | | |
| 11 | Lawrence Rd | 3 | 3.73 | O/S | O/S pending AOP | 9/17/2020 | 195-21-00-0066 | \$ 594,459 |
| 11 | Lawrence Rd | 4 | 1.04 | O/S | Blended w/ Well #1A and #3 - Monitor - Last blend was 0.81 | | 195-21-00-0066 | \$ 594,459 |
| 11 | Old Dock Rd | 1 | 0.97* | O/S | Locked in Call-2, coming out of service, *GAC Eff sample, Mini AOP Pilot complete | | | |
| 11 | Wicks Rd | 1 | 0.76 | I/S | With rotations, runs every other day - monitor | | | |
| 12 | Commercial Blvd | 2 | 1.13 | O/S | Site work authorized, Well failed and retired, have permit for Well #2A | | 195-21-00-0060 | \$ 45,583 |
| 12 | Commercial Blvd | 3 | 5.37 | I/S | AOP completed - Station Treated | 3/1/2018 | 055-14-00-0016 | \$ 909,474 |
| 12 | Eastwood Blvd | 2A | 2.11 | O/S | Leave O/S | | | |
| 12 | Falcon Dr | 1 | 0.76 | I/S | Lock in Call-2. Mini AOP Pilot complete, piping relocated, building expansion awarded, bldg design submittals in | | 195-20-00-0067, 195-21-00-0057 | \$ 217,314 |
| 12 | Falcon Dr | 2A | 1.44 | O/S | Throttled to 500 gpm, Blended w/ #1. , Mini AOP Pilot complete , piping relocated, building expansion awarded, bldg design submittals in | | 195-20-00-0067, 195-21-00-0057 | \$ 217,314 |
| 12 | Falcon Dr | 2B | 1.53 | O/S | Leave O/S pending AOP. Mini AOP pilot complete , piping relocated, building expansion awarded, bldg design submittals in | | 195-20-00-0067, 195-21-00-0057 | \$ 217,314 |
| 12 | Oval Dr | 4 | 0.48 | I/S | Blend removed - Monitor, at or below 1/2 MCL | | | |
| 12 | Peconic St | 1 | 1.68 | O/S | Blended. Blend is still over 1.0 Leave O/S | 8/15/2016 | | |
| 12 | Peconic St | 2 | 0.78 | I/S | Limited run time in winter | | | |
| 12 | Third Ave | 3 | 0.87 | I/S | Blended. Seasonal GAC. Last blend was 0.31. Mini AOP complete | 4/1/2019 | | |
| 15 | Boyle Rd N | 1A | 1.21 | O/S | Leave O/S | | | |
| 15 | Boyle Rd PJ | 2 | 0.46 | I/S | Nitrate Blend - monitor | 7/31/2007 | | |
| 15 | Boyle Rd PJ | 3 | 0.49 | I/S | Nitrate Blend - monitor | 7/31/2007 | | |
| 15 | College Rd | 3 | 0.84 | I/S | Blended w/ #4 - monitor - Last blend was 0.46 | 10/27/2016 | | |
| 15 | Daniel Webster | 2A | 0.53 | O/S | Blended - monitor. Last blend was 0.23 | 8/23/2016 | | |
| 15 | Hawkins Rd | 2 | 0.60 | I/S | Rotates Call-1, Call-2 daily, so only runs every other day | | | |
| 15 | Horseblock Rd | 1 | 0.51 | I/S | Nitrate Blend - monitor. Last blend was 0.37 | 5/12/2013 | 195-21-00-0067 | \$ 724,023 |
| 15 | Jayne Blvd | 1 | 0.49* | I/S | Nitrate blend - monitor. Last blend was 0.27, *GAC Effluent sample | 6/21/2007 | | |
| 15 | Jayne Blvd | 2A | 1.02 | O/S | Blend with #5 and #1 in 2021. Seasonal GAC. | | | |
| 15 | Jayne Blvd | 3 | 0.83 | I/S | Blended w/#4 - monitor - Last blend was 0.41 | 2/19/2019 | | |
| 15 | Kayron Dr | 1A | 0.45 | I/S | Rotates Call-1, Call-2 daily, so only runs every other day | | | |
| 15 | N Washington | 1 | 0.70 | I/S | Short timeclock for winter | | | |
| 15 | Oxhead Rd | 2A | 0.96 | O/S | Blended w/ #3 - monitor - Last blend was 0.72 | 8/25/2016 | | |
| 26 | Montauk St Blvd | 1A | 0.68 | O/S | Blended. Last blend was 0.45 | 4/1/2016 | | |
| 60 | Gazza Blvd | 2 | 3.62 | O/S | Remain O/S. Additional supply to zone from Zone 12 now. | | | |
| 60 | Smith St Ef | 1 | 22.30 | O/S | AOP design approved 12/10/20, going out to bid soon; Mini AOP complete | | 190-19-00-0004 | \$ 1,249,309 |
| | Various | | | | Electrical Service Upgrades for AOP | | 195-20-00-0072 | \$ 562,630 |
| | Various | | | | Electrical Service Upgrades for AOP | | 195-21-00-0058 | \$ 851,784 |
| | Various | | | | Mini-AOP by-products pilot testing project | | 195-20-00-0051 | \$ 220,000 |
| Total Funds Authorized to date for 1,D related work | | | | | | | | \$ 11,160,244 |

| Zone | Station | Well | Recent levels (PFOA/PFOS) | Current Status | Action planned (Planning window = 4 months) | Date Treatment I/S or Blend Started | Authorization(s) | Authorization(s) Value to Date (\$) |
|------|-------------------|------|---------------------------|----------------|---|-------------------------------------|--------------------------------|-------------------------------------|
| 1 | Bellmore Ave | 1 | 15/19 | I/S | On GAC | 4/24/2020 | 195-2-0-00-0068 | \$ 37,512 |
| 1 | Church St Hol | 1A | 12/10 | O/S | On outdoor GAC - Seasonal | 5/7/2019 | | |
| 1 | Church St Hol | 2 | 8.7/4.6 | O/S | O/S 11/2/18 - pending additional GAC installation | | | |
| 1 | Foxcroft Ln | 1A | 4.7/23 | O/S | Received DHS approval to treat with resin (ion exchange) in portable GAC system; first approval of resin for PFC's in NY. Outdoors - seasonal | 5/30/2019 | 055-18-00-0019 | \$ 165,590 |
| 1 | Foxcroft Ln | 2 | 4.9/6.8 | O/S | Blended inside #1A - Seasonal well, #1A seasonal GAC | | | |
| 1 | Station Rd | 1A | 11/50 | O/S | On outdoor GAC - Seasonal | 3/14/2020 | 055-19-00-0015 | \$ 417,765 |
| 10 | Ruth Blvd | 3 | ND/9 | I/S | Piped to existing GAC. Currently < 1/2 MCL, monitor | | 055-19-00-0018 | \$ 23,057 |
| 12 | Carrol St | 2 | 3.2/1.8 | I/S | Blended - no further action planned | 8/18/2016 | | |
| 12 | Hallock Ave | 2 | ND/8.4 | I/S | | | | |
| 12 | Hallock Ave | 3 | ND/6.0 | I/S | With rotations, runs every other day - GAC project authorized | | 195-21-00-0061 | \$ 758,862 |
| 12 | Liberty St | 3 | 6.9/3.5 | I/S | With rotations, runs every other day - no further action planned | | | |
| 12 | Lincoln Ave | 2 | ND/11 | O/S | Blended; GAC Vessels on order | | 195-21-00-0065 | \$ 549,854 |
| 12 | Morris Ave | 1 | ND/ND | I/S | Monitor | | 195-20-00-0059 | \$ 576,048 |
| 12 | Morris Ave | 4 | 4/19 | O/S | On outdoor GAC - Seasonal | 6/28/2020 | 195-20-00-0054 | \$ 118,797 |
| 12 | Pierson St | 1 | 9.2/4.3 | I/S | With rotations, runs every other day - GAC ordered; existing Model 10 was relocated to Wheeler #3 | | 195-21-00-0068 | \$ 639,167 |
| 12 | Pierson St | 2 | 4.9/3.3 | I/S | With rotations, runs every other day - GAC ordered | | 195-21-00-0068 | \$ 639,167 |
| 12 | Plymouth St | 1A | 8.2/13.0 | I/S | Blended, Locked in Call-2 - New GAC vessels delivered 12/99/20. Last blend was 2.8/5.6 | 9/17/2020 | 195-21-00-0062 | \$ 634,044 |
| 12 | Plymouth St | 2A | 4.6/9.6 | I/S | With rotations, runs every other day - New GAC Vessels delivered 12/10/20 | | 195-21-00-0062 | \$ 634,044 |
| 12 | Sy Ct | 3 | 14/6.3 | O/S | On outdoor GAC - Seasonal | 10/28/2020 | 195-20-00-0056, 195-20-00-0061 | \$ 724,517 |
| 12 | Townline Rd Nes | 1A | 9/14 | I/S | On GAC | 2/10/2020 | 055-19-00-0014 | \$ 100,412 |
| 12 | Wheeler Rd | 3 | 18/32 | O/S | Relocated Model 10 from Pierson St being installed in existing building | | 195-21-00-0063 | \$ 75,433 |
| 12 | Wheeler Rd | 5 | 18/32 | I/S | On GAC | 9/6/2019 | 055-19-00-0017 | \$ 15,888 |
| 15 | Bicycle Path | 1 | 5.4/ND | I/S | Blended for Mn for many years | | | |
| 15 | Boyle Rd South | 1 | 4.9/3.9 | I/S | Monitor | | | |
| 15 | Dare Rd | 2 | 3.3/3.8 | I/S | No action planned, continue to monitor | | | |
| 15 | Edgewood SJ | 1A | 12.0/5.6 | I/S | Blended for Nitrates - New GAC vessels on order | 10/16/2017 | 195-21-00-0064 | \$ 579,263 |
| 15 | Fairmount Medford | 3 | 22/33 | O/S | On outdoor GAC - Seasonal | 5/19/2020 | 055-19-00-0021, 195-20-00-0052 | \$ 609,567 |
| 15 | Flint Ln | 1 | 4.5/3.4 | I/S | New GAC will load in Spring | | 195-20-00-0057 | \$ 157,860 |
| 15 | Flint Ln | 2 | 5.4/6.0 | O/S | New GAC will load in Spring | | 195-20-00-0063 | \$ 1,051,739 |
| 15 | Hawkins Rd | 3 | 2.7/5.2 | O/S | Continue to monitor - O/S for pump replacement | | | |
| 15 | Oxhead Rd | 1A | 3.8/110.0 | O/S | On outdoor GAC - Seasonal | 6/7/2017 | 055-17-00-0014 | \$ 265,494 |
| 15 | Oxhead Rd | 4 | ND/4.4 | O/S | Blended inside #1A | 7/1/2017 | | |
| 15 | Stem Ln | 1 | 6.2/23 | O/S | On outdoor GAC - Seasonal | 8/6/2020 | 195-20-00-0058, 195-20-00-0062 | \$ 672,080 |
| 15 | Strathmore Ct | 3 | 6.3/6.2 | I/S | With rotations, runs every third day - no further action planned | | | |
| 20 | Gus Guerrero | 1 | ND/23.0 | O/S | On outdoor GAC - Seasonal | 7/27/2016 | 055-17-00-0016 | \$ 182,842 |
| 20 | Gus Guerrero | 2 | ND/ND | I/S | Removed from GAC due to decrease in levels 11/2020 | 7/11/2017 | | |
| 20 | Meetinghouse Rd | 12A | 47.0/150.0 | I/S | On GAC | 6/10/2016 | 055-17-00-0015, 055-18-00-0015 | \$ 788,844 |
| 20 | Meetinghouse Rd | 14 | 27.0/220.0 | I/S | Same as above | 6/10/2016 | | |
| 20 | Meetinghouse Rd | 17 | 150.0/1,510.0 | I/S | Same as above | 6/10/2016 | | |
| 20 | Meetinghouse Rd | 19 | 96.0/440.0 | I/S | Same as above | 6/10/2016 | | |
| 20 | Meetinghouse Rd | 22 | 3.7/94.0 | I/S | On GAC | 7/27/2016 | 055-17-00-0013 | \$ 29,528 |
| 20 | Old Country Rd | 1A | 3.7/6.1 | Blended | Blended with #3 and throttled | 7/30/2007 | | |

| Zone | Station | Well | Recent levels (PFOA/PFOS) | Current Status | Action planned (Planning window = 4 months) | Date Treatment I/S or Blend Started | Authorization(s) | Authorization(s) Value to Date (\$) |
|------|------------------|------|---------------------------|----------------|---|-------------------------------------|--------------------------------|-------------------------------------|
| 20 | Old Country Rd | 4 | 10/48 | O/S | On outdoor GAC - Seasonal | 6/26/2020 | 055-19-00-0020, 195-20-00-0053 | \$ 802,282 |
| 23 | Bridgehampton Rd | 2A | 3/36 | I/S | On GAC | 10/1/2019 | | |
| 23 | Long Springs Rd | 1A | 9/8 | O/S | On outdoor GAC - Seasonal | 4/20/2020 | 055-19-00-0019 | \$ 35,490 |
| 23 | North Magee | 3 | 2/13 | O/S | | | | |
| 23 | West Prospect | 1 | 7/20 | I/S | Loaded carbon in existing empty vessel | 3/18/2019 | | |
| 32 | County Rd 31 | 1 | ND/22 | O/S | On outdoor GAC - Seasonal | 8/19/2020 | 195-20-00-0055, 195-20-00-0060 | \$ 691,008 |

Total Funds Authorized to date for PFAS related work \$ 11,976,153

Total Funds Authorized to date for Emerging Containment Work \$ 23,136,397