US Army Corps of Engineers
Baltimore District

QUARTERLY OM&M REPORT NO. 15

January to March 2024

PFOS/PFOA Mitigation
Interim Storm Water Treatment System
Long Term Operation, Maintenance, and Monitoring Services

Stewart Air National Guard Base, New York
Contract No. W912DR-21-C-0035

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TABLE OF CONTENTS

SECTION **PAGE**

TABLES

FIGURES

ATTACHMENT

ACRONYMS AND ABBREVIATIONS

AFFF	aqueous film-forming foam
BES	Bristol Environmental Solutions, LLC
EPA	U.S Environmental Protection Agency
GAC	granular activated carbon
GPM	gallons per minute
HA	Health Advisory
ISWTS	Interim Storm Water Treatment System
IX	ion exchange resin
mg/L	milligrams per liter
NTU	nephelometric turbidity units
OM&M	Operations, Maintenance, and Monitoring
PFAS	per- and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
ppt	parts per trillion
SANGB	Stewart Air National Guard Base

EXECUTIVE SUMMARY

An Interim Storm Water Treatment System (ISWTS) has been operating at Stewart Air National Guard Base (SANGB) in Newburgh, New York, since July 13, 2020. The ISWTS treats stormwater in the Recreation Pond. The stormwater is contaminated with perfluorooctanesulfonic acid (PFOS), and perfluorooctanoic acid (PFOA). PFOS and PFOA are two constituents of aqueous film-forming foam (AFFF), that have been detected above the 2016 U.S. Environmental Protection Agency (EPA) drinking water lifetime Health Advisory (HA) standard of 70 parts per trillion (ppt) (individually or combined).

This report summarizes ISWTS Operations, Maintenance and Monitoring (OM&M) between January 1 and March 31, 2024. The ISWTS consists of pretreatment systems and four PFOS/PFOA treatment trains with three treatment vessels per train. Each treatment train consists of two granular activated carbon (GAC) vessels followed by one ion exchange resin (IX) vessel.

Performance monitoring PFOS/PFOA samples are normally collected weekly from the ISWTS influent, effluent, and intra-process sample ports to monitor ISWTS performance and PFOS/PFOA breakthrough. Intra-process sample ports are on the effluent from each PFOS/PFOA treatment vessel on all four trains, but only one of the four treatment trains are sampled each week.

One complete PFOS/PFOA treatment media change was performed between February 6 and February 12, 2024, because fouling of the media restricted the hydraulic capacity to operate the ISWTS effectively. Bristol Environmental Solutions, LLC (BES) also replaced the IX resin media between March 29 and March 30, 2024 due to uncharacteristic PFOS/PFOA breakthrough detected in the post IX effluent and weekly combined effluent during performance monitoring samples from February 12, through March 26, 2024.

During the performance period, a total of 36,091,150 gallons of stormwater were treated and discharged over the outfall weir by the ISWTS. There were 91 days between January 1 and March 31, 2024. The Recreation Pond was drawn down below the outfall weir for 6 of the 91 days or 7% of the quarter. Reduced drawdown below the weir during this performance period was impacted by historically high precipitation including 12 inches of rain and over 1-foot of snow locally, during the performance period.

PFOS and PFOA samples were collected thirteen times on the influent and effluent during the performance period. The combined PFOS and PFOA influent average concentration during the performance period was 357 ppt. The highest combined PFOS and PFOA effluent detection was 11 ppt on February 12 and the combined PFOS and PFOA effluent average concentration was 2.5 ppt during the OM&M period between January 1 and March 31, 2024.

1.0 INTRODUCTION

Bristol Environmental Solutions, LLC (BES), under Contract with the US Army Corps of Engineers is operating an Interim Storm Water Treatment System (ISWTS) on behalf of the Air National Guard at Stewart Air National Guard Base (SANGB) in Newburgh, New York. The stormwater is contaminated with perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA). PFOS and PFOA are two constituents of aqueous film-forming foam (AFFF), that have been detected above the 2016 U.S. Environmental Protection Agency (EPA) drinking water lifetime Health Advisory (HA) standard of 70 parts per trillion (ppt) (individually or combined).

The ISWTS intercepts stormwater from the Recreation Pond and discharges treated effluent over the existing Recreation Pond outfall weir. When weather conditions allow, the ISWTS draws down the pond level below the outfall weir and treats all stormwater discharges. The Recreation Pond drawdown below the weir provides a storage reservoir to prevent discharge of untreated stormwater when precipitation occurs. When precipitation events occur that exceed the ISWTS capacity the Recreation Pond fills up and both treated effluent and untreated stormwater go over the outfall weir.

This is the 15th Quarterly Report that summarizes Operations, Maintenance, and Monitoring (OM&M) activities conducted by BES at SANGB. This report summarizes ISWTS operations between January 1 and March 31, 2024, at SANGB.

2.0 GENERAL OPERATIONAL SUMMARY

The ISWTS has been operating since July 13, 2020, following installation and commissioning of pretreatment system improvements in June and early July 2020. The ISWTS consists of four treatment trains with three treatment vessels per train. This report summarizes OM&M between January 1 and March 31, 2024, or months 43, 44, and 45 post startup.

During the performance period the system influent, intra-process monitoring (three locations) and effluent was monitored weekly to confirm treatment system effectiveness for PFOS and PFOA as well as other per- and polyfluoroalkyl substances (PFAS). Performance sampling was conducted for a total of thirteen days during the quarterly period. Final PFAS results are provided in **Table 1**. Based on validated analytical data, all effluent sample results were well below the criteria of 70 ppt (individually or combined) in the off-base treated stormwater at Recreation Pond.

One complete PFOS and PFOA media change including all granular activated carbon (GAC) and ion exchange resin (IX) was performed between 6 and 12 February 2024. This media change was completed primarily because fouling of the media was restricting the hydraulic capacity. Prior to the media change the IX effluent and final ISWTS effluent were between non-detect and 2 ppt and demonstrating good performance.

Intra-process performance monitoring following the media change between February 12 through March 26, 2024 recorded elevated PFOS/PFOA in the post IX effluent and combined effluent. During this period the highest PFOS and PFOA detected in the effluent was 11 ppt and the average was 4.5 ppt. As a result of the reduced IX resin performance, this media was subsequently replaced on March 29 and 30 2024, which resulted in improved performance of the IX media and reduced PFOS/PFOA breakthrough in IX effluent and overall effluent.

The analytical method used for all PFAS monitoring during the performance period was EPA 537.1 M. Final PFAS results for the entire quarter are provided in **Table 1**.

3.0 ISWTS CONFIGURATION DURING PERFORMANCE PERIOD

The ISWTS maintained the following unit processes; centrifugal separator, coarse sand filtration, fine sand filtration, primary and secondary bag filtration, followed by three stages of PFOS/PFOA adsorption treatment media.

During this reporting period, four PFOS/PFOA treatment trains (Trains A, B, C and D) comprised of Primary GAC, Secondary GAC, and IX were employed. During previous reporting periods, BES determined that this configuration outperformed one stage of GAC with two stages of IX or three stages of GAC.

The GAC media used during the quarter was Calgon Filtrasorb 400 and the IX resin is Purolite PFA694. Peracetic acid was available but not introduced this quarter to see if any increased biofouling was observed as a result of not introducing it to the ISWTS influent. During the quarter, the ultrasonic device (Pulsar 3000) redeployed on March 20, 2024, to mitigate seasonal algae growth in the Recreation Pond. The ISWTS configuration is shown in **Figure 1**.

4.0 GENERAL FACILITY OPERATIONS SUMMARY

During the performance period, over 36 million gallons of stormwater were treated. Effluent is either directed over the outfall weir or recycled back to the pond. During the performance period, all effluent was discharged over the outfall weir. The table below summarizes the total volume treated (gallons), operational time (hours), run time (% of total time), and average treatment rate (gallons per minute) during each month of system operations. The total gallons summarized below represent the total treated water discharged over the weir and the recycle total during the performance period. The ISWTS and influent pump does not run all the time. It is turned off when system maintenance is being performed, during power failures, and during periods when Recreation Pond drawdown objectives were achieved. Recreation Pond drawdown is managed to reduce excessive sediment intake from the bottom of the pond that would impact ISWTS operations and maintenance.

Month	Volume Treated (Gallons)	Run Time[1] (Percent)	Average Treatment Flow[2] (GPM)
January 2024	13,192,825	100%	278
February 2024	10,432,310	100%	251
March 2024	12,466,015	100%	272
Total	36,091,150		

[1]Run Time – Hours pump running divided by the total period time

[2]Average GPM – Average flow total gallons divided by operational hours

% = percent

GPM = gallons per minute

There were 91 days of scheduled operation between January 1 and March 31, 2024. During this period of performance, the Recreation Pond was drawn down below the weir for 6 of the 91 days or 7% of the time. The Recreation Pond level during the performance period is shown in **Figure 2**.

5.0 FACILITY PERFORMANCE MONITORING

The analytical method used for all PFAS monitoring during the performance period was EPA 537.1 M. Final PFAS results for the entire quarter are provided in **Table 1**.

5.1 INFLUENT AND EFFLUENT PFOS/PFOA AND TOTAL PFAS MONITORING

As previously noted, samples were collected 13 times on the influent and effluent during the performance period for PFOS, PFOA, and other PFAS compounds. **Figure 3** shows the influent and effluent combined PFOS and PFOA concentrations based on the validated results. As shown in **Figure 3**, the combined PFOS and PFOA influent and effluent average detected concentrations during the performance period were 357 ppt and 2.5 ppt, respectively. The maximum combined PFOS and PFOA influent concentration was 517 ppt on January 23, 2024. The maximum detection of PFOS/PFOA in the combined effluent, was 11 ppt on February 12, 2024. All influent and effluent PFAS sample results are provided in **Table 1**.

5.2 INTRA-PROCESS PFOS/PFOA AND TOTAL PFAS MONITORING

During the performance period, intra-process monitoring for PFOS/PFOA and other PFAS compounds was performed after all three media stages. Sample results are provided in **Table 1**.

Weekly intra-process samples are collected to monitor the performance of GAC and IX treatment from each of the four treatment trains. Each week one of the four trains (A, B, C, or D) are sampled. When intra-process samples are collected, they are collected from the primary GAC effluent, secondary GAC effluent, and IX effluent. Normally the trains are sampled in order and each train is sampled every fourth event. Results from intra-process monitoring, showed incremental breakthrough of PFOS/PFOA from the primary and then secondary GAC vessels followed by excellent PFOS/PFOA removal from the IX resin in the polish position. During the performance monitoring period the highest combined PFOS/PFOA concentrations in the Primary GAC, Secondary GAC, and IX were 389, 271, and 6.8 ppt respectively.

5.3 OTHER WATER QUALITY MONITORING

During the performance period additional monitoring was performed for total organic carbon, and glycols on the influent, and final effluent on January 31, 2024. These results are shown in **Table 2**. No glycols were detected in any of the samples. Elevated TOC is known to impact treatment media life. The ion exchange resin manufacturer recommends that TOC not be more than 2 milligrams per liter (mg/L). The influent TOC was 3.00 mg/L, and the GAC-2 effluent (influent to the resin) was 2.20 mg/L indicating that the influent TOC level to the resin was higher than recommended by the resin manufacturer. Effluent TOC concentration was 1.90 mg/L. The IX influent result slightly exceeds the manufacturer's recommended value. Elevated TOC can shorten IX resin life but reduced resin life compared to historic ISWTS operations were not observed.

5.4 TURBIDITY MONITORING

Turbidity is a measurement that can quantify the level of solids present in the water. It is an onsite test that is helpful to measure in real time, the influent water quality and intra-process performance to confirm the effectiveness of the pretreatment and filtration systems in removing solids. During the performance period, influent and effluent turbidity averaged 9.05 nephelometric turbidity units (NTUs) and 1.01 NTUs, respectively. A graph of the influent and effluent turbidity during the performance period is included as **Figure 4**.

5.5 BIOFOULING CONTROL

Peracetic acid was not introduced into the process influent during the performance period for biofouling mitigation. Instead, ultrasonic treatment in the pond was continued to see how effective it was in reducing algae growth and mitigation of biofouling and ISWTS maintenance. See Section 8.0 for additional discussion on the observed effectiveness of the ultrasonic treatment.

6.0 SCHEDULED PREVENTIVE MAINTENANCE

During the performance period the following preventive maintenance activities were completed:

- Coarse and fine sand filter backwashes;
- Coarse and fine sand filter cleanings;
- Primary and secondary bag filter changes;
- Primary, and secondary carbon backwashing;
- Complete treatment media exchange; and
- Ion exchange resin replacement.

The coarse and fine sand media was replaced with new media during the previous quarter on October 3 and 4, 2023. During the performance period, the coarse and fine filters were each backwashed 705 and 708 times, respectively and a total of six cleaning events were

completed. The primary and secondary bag filters were changed 10 and 17 times, respectively, during the performance period. To maintain acceptable PFAS treatment media pressure, the primary, and secondary GAC vessels were backwashed 13 times during the quarter. The resin was inspected once during the quarter, on January 3, 2024. The sand filter maintenance, bag filter changes, GAC backwash events, and ion exchange resin observations are summarized in **Table 3**.

7.0 MATERIAL DISPOSAL

Waste bag filters, spent ion exchange resin as well as spent GAC were generated during this quarter. Spent GAC materials were shipped to Calgon Corporation facility in Catlettsburg, Kentucky, for thermal reactivation on March 5, 2024. Waste bag filters, and spent resin waste were shipped to US Ecology for disposal in a Subtitle C Landfill in Belleville, Michigan, on March 5, 2024. Spent media disposal activities are scheduled immediately following each media changeout to eliminate any onsite storage of solid waste at SANGB. Material disposal documents are provided in **Attachment 1**.

8.0 PROJECTED ACTIVITIES FOR NEXT PERFORMANCE PERIOD

BES will continue operating the ISWTS with all four treatment trains configured as primary GAC, secondary GAC, and IX resin polish.

The replacement of IX resin in late March of this reporting period, to address performance concerns will likely extend media treatment if media fouling can be mitigated to maintain hydraulic performance objectives for operations at flows up to 500 GPM.

Previous testing conducted in 2023, demonstrated that the secondary GAC PFOS/PFOA breakthrough increased with the primary GAC offline, but the IX resin did not demonstrate any reduced performance because PFOS/PFOA breakthrough had not yet occurred. No additional voluntary samples were collected during the reporting period of January 1 through March 31, 2024. Current testing suggests that if the Primary GAC is

taken offline to maintain ISWTS capacity and improve stormwater capture, the IX performance would not be impacted as long as breakthrough has not yet occurred. BES may perform additional testing at the end of the next media run to further support this conclusion. If the IX performance is not impacted, future consideration to take the Primary GAC offline, when it is fouled and restricting throughput at the end of the media cycle could be considered to maintain ISWTS capacity and improve stormwater capture while still maintaining PFOS/PFOA removal objectives.

The effectiveness of the Peracetic acid has been uncertain. Bristol turned off the Peracetic acid in the fourth quarter of 2022, all four quarters of 2023, and first quarter of 2024, to see if increased biofouling impacts can be detected and no increased biofouling could be identified. Since no increased biofouling effects were observed during these test periods the addition of peracetic acid will remain off through the second quarter of 2024, to continue monitoring biofouling impacts during each seasonal influence at Recreation Pond.

BES will continue to operate ultrasonic algae control equipment installed directly in the Recreation pond during the 2024 warm weather season. The ultrasonic algae control equipment transforms electrical signals to multiple soundwaves of ultrasonic frequencies that breaks the outer membrane of individual algae cells and inhibits growth. The technology was deployed in April 2023, and was successful in mitigating visible seasonal algae through October 2023. BES redeployed the ultrasonic equipment during March 2024, to further evaluate its effectiveness during the warm weather seasons

Bristol will continue to evaluate modifications that could be considered to improve the overall system performance. In the next quarter, BES is evaluating pilot testing of automated washable bag filters that could be considered to improve pre-treatment operations. No capital improvements are planned at this time.

TABLES

C401387V1 - 01/02/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YAD699	YAD704	YAD705	YAD701	YAD703	YAD702	YAD700			
		Sampling Date	2024/01/02 07:55	2024/01/02 08:30	2024/01/02 08:30	2024/01/02 08:07	2024/01/02 08:21	2024/01/02 08:14	2024/01/02 08:00			
		Sample ID	**SANG-FB-01022024**	**SANG-INF-01022024**	**SANG-INF-01022024D**	**SANG-PEDR1-01022024**	**SANG-PEDG1-01022024**	**SANG-PEDG2-01022024**	**SANG-EFF-01022024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	26	26	24	25	22	18	0.66	1.6	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	77	76	7.5	66	51	3.8	0.24	0.78	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	57	54	0.47 J (1)	45	31	0.78 U	0.22	0.78	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	39	38	1.1 U	30	19	1.1 U	0.31	1.1	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	39	39	1.1 U	29	18	1.1 U	0.46	1.1	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	13	13	1.1 U	9.3	5.5	1.1 U	0.39	1.1	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	6.2	6.2	1.1 U	3.6	2.2	1.1 U	0.32	1.1	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	0.46 J	1.1 U	1.1 U	1.1 U	1.1 U	0.41	1.1	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.53	1.1	2.2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.27	0.78	2.2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.43	1.1	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	13	12	1.1 U	9.2	5.6	1.1 U	0.3	1.1	2.2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.0 U	14	13	1.1 U	9.2	5.2	1.1 U	0.38	1.1	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	110	100	1.1 U	76	43	1.1 U	0.31	1.1	2.2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	5	4.8	1.1 U	2.9	1.9 J	1.1 U	0.48	1.1	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	350 (2)	360 (2)	1.1 U	230 (2)	130 (2)	1.1 U	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.71	1.6	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.67	1.6	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.44	1.6	4.4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78	1.6	4.4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.6	1.6	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	0.85 J (1)	0.78 J (1)	1.6 U	0.55 J (1)	1.6 U (1)	1.6 U	0.52	1.6	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	89	89	1.6 U	55	30	1.6 U	0.7	1.6	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	30	31	1.6 U	8.5	4.3 J	1.6 U	0.59	1.6	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.6	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.13	0.44	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.47	1.1	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.36	1.1	4.4

Notes:

(1) Result is estimated as analyte confirmation criterion (ion ratio) was not met.

(2) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-01022024 is a field blank.

Sample SANG-INF-01022024D is a field duplicate of SANG-INF-01022024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEDG1 = post E port D GAC Unit 1

PEDG2 = post E port D train GAC Unit 2

PEDR1 = post E port D Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C406880V1 - 01/08/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YBJ246	YBJ251	YBJ252	YBJ248	YBJ250	YBJ249	YBJ247			
		Sampling Date	2024/01/08 09:00	2024/01/08 10:00	2024/01/08	2024/01/08 09:40	2024/01/08 09:50	2024/01/08 09:45	2024/01/08 09:30			
		Sample ID	**SANG-FB-01082024**	**SANG-INF-01082024**	**SANG-INF-01082024D**	**SANG-PEAR1-01082024**	**SANG-PEAG1-01082024**	**SANG-PEAG2-01082024**	**SANG-EFF-01082024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	30	30	34	29	26	26	0.59	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	83	84	8.2	74	56	6.7	0.22	0.7	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	60	59	0.70 U	49	33	0.27 J	0.2	0.7	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	39	39	1.0 U	30	18	1.0 U	0.28	1	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	39	40	1.0 U	29	18	1.0 U	0.41	1	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	13	12	1.0 U	9.5	5.7	1.0 U	0.35	1	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	5.3	5.4	1.0 U	3.9	2.4	1.0 U	0.29	1	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37	1	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48	1	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.24	0.7	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39	1	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	15	15	1.0 U	11	6.3	1.0 U	0.27	1	2
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	18	17	1.0 U	11	5.7	1.0 U	0.34	1	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	120 (1)	120 (1)	1.0 U	80	42	1.0 U	2.8	10	20
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.0 U	5	4.8	1.0 U	3.4	1.8 J	1.0 U	0.43	1	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	400 (1)	400 (1)	1.0 U	260 (1)	150 (1)	1.0 U	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.6	1.4	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.4	1.4	4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.7	1.4	4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.54	1.4	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	0.97 J	1.1 J	1.4 U	0.90 J	1.4 U	1.4 U	0.47	1.4	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	97	98	1.4 U	61	33	1.4 U	0.63	1.4	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	30	30	1.4 U	12	6.7	1.4 U	0.53	1.4	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41	1.4	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.12	0.4	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42	1	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32	1	4

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-01082024 is a field blank.

Sample SANG-INF-01082024D is a field duplicate of SANG-INF-01082024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEAG1 = post E port A GAC Unit 1

PEAG2 = post E port A train GAC Unit 2

PEAR1 = post E port A Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C419656 - 01/15/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YEA640	YEA645	YEA646	YEA642	YEA644	YEA643	YEA641			
		Sampling Date	2024/01/15 09:30	2024/01/15 10:00	2024/01/15 10:00	2024/01/15 09:45	2024/01/15 09:55	2024/01/15 09:50	2024/01/15 09:40			
		Sample ID	**SANG-FB-01152024**	**SANG-INF-01152024**	**SANG-INF-01152024D**	**SANG-PEBR1-01152024**	**SANG-PEBG1-01152024**	**SANG-PEBG2-01152024**	**SANG-EFF-01152024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	19	18	13	18	17	24	0.59	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	49	49	0.64 J	44	36	8.2	0.22	0.7	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	35	35	0.70 U	29	22	0.43 J	0.2	0.7	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	25	25	1.0 U	19	13	1.0 U	0.28	1	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	27	26	1.0 U	20	13	1.0 U	0.41	1	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	8.7	8.8	1.0 U	6	3.7	1.0 U	0.35	1	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	6.4	6.2	1.0 U	3.7	2.2	1.0 U	0.29	1	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	0.55 J	0.42 J	1.0 U	1.0 U	1.0 U	1.0 U	0.37	1	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48	1	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.24	0.7	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39	1	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	7.8	7.8	1.0 U	6.3	3.9	1.0 U	0.27	1	2
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	7.8	8	1.0 U	5.6	3.3	1.0 U	0.34	1	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	66	66	1.0 U	45	28	1.0 U	0.28	1	2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	2.9	2.9	1.0 U	1.9 J	1.1 J	1.0 U	0.43	1	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	250 (1)	250 (1)	1.0 U	160 (1)	93	1.0 U	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.6	1.4	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.4	1.4	4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.7	1.4	4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.54	1.4	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	0.82 J	0.71 J	1.4 U	1.4 U	1.4 U	1.4 U	0.47	1.4	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	47	50	1.4 U	30	18	1.4 U	0.63	1.4	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	21	20	1.4 U	7.3	4.3	1.4 U	0.53	1.4	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41	1.4	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.12	0.4	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42	1	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32	1	4

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-01152024 is a field blank.

Sample SANG-INF-01152024D is a field duplicate of SANG-INF-01152024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEBG1 = post E port B GAC Unit 1

PEBG2 = post E port B GAC Unit 2

PEBR1 = post E port B Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C423046V1 - 01/23/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YEU034	YEU039	YEU040	YEU036	YEU038	YEU037	YEU035			
		Sampling Date	2024/01/23 09:20	2024/01/23 09:41	2024/01/23 09:41	2024/01/23 09:32	2024/01/23 09:38	2024/01/23 09:35	2024/01/23 09:25			
		Sample ID	SANG-FB-01232024	SANG-INF-01232024	SANG-INF-01232024D	SANG-PECR1-01232024	SANG-PECG1-01232024	SANG-PECG2-01232024	SANG-EFF-01232024	DL	LOD	LOQ
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	37	36	41	35	33	37	0.61	1.5	2.1
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.80 U	96	95	24	89	78	27	0.23	0.73	2.1
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.80 U	68	66	1.7 J	60	50	2.8	0.21	0.73	2.1
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.1 U	44	44	0.31 J	38	30	0.62 J	0.29	1	2.1
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.1 U	47	47	1.0 U	39	31	0.48 J	0.43	1	2.1
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.1 U	15	15	1.0 U	12	9.9	1.0 U	0.36	1	2.1
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.1 U	7.7	7.5	1.0 U	5.8	4.7	1.0 U	0.3	1	2.1
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.1 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	0.39	1	2.1
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.1 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	0.5	1	2.1
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.80 U	0.70 U	0.73 U	0.73 U	0.76 U	0.73 U	0.73 U	0.25	0.73	2.1
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.1 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	0.41	1	2.1
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.1 U	16	16	1.0 U	13	10	1.0 U	0.28	1	2.1
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.1 U	17	16	1.0 U	14	9.7	1.0 U	0.35	1	2.1
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.1 U	130 (1)	130 (1)	1.0 U	100	76	1.0 U	2.8	10	20
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.1 U	5.9	5.7	1.0 U	4.6	3.4	1.0 U	0.45	1	2.1
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.1 U	470 (1)	480 (1)	1.1 J	350 (1)	240 (1)	1.3 J	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.67	1.5	2.1
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.63	1.5	2.1
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	1.4 U	0.42 J	1.5 U	1.5 U	1.5 U	1.5 U	0.42	1.5	4.2
MeFOSAA	EPA 537.1 M	ng/L	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.73	1.5	4.2
EtFOSAA	EPA 537.1 M	ng/L	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.56	1.5	4.2
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.3 J	1.2 J	1.5 U	1.2 J	0.91 J	1.5 U	0.49	1.5	4.2
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	120 (1)	110 (1)	0.76 J	88	64	1.6 J	6.3	14	40
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	33	34	1.0 J	18	13	0.75 J	0.55	1.5	4.2
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.43	1.5	4.2
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.45 U	0.40 U	0.42 U	0.42 U	0.43 U	0.42 U	0.42 U	0.13	0.42	4.2
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.1 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	0.44	1	4.2
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.1 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	0.33	1	4.2

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-01232024 is a field blank.

Sample SANG-INF-01232024D is a field duplicate of SANG-INF-01232024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PECG1 = post E port C GAC Unit 1

PECG2 = post E port C GAC Unit 2

PECR1 = post E port C Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C430505V1_C430528V1 - 01/30/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

Bureau Veritas ID			YGJ897	YGJ902	YGJ903	YGJ899	YGK061	YGJ901	YGJ900	YGK062	YGJ898			
Sampling Date			2024/01/30 09:40	2024/01/30 10:07	2024/01/30 10:07	2024/01/30 09:50	2024/01/30 07:00	2024/01/30 10:02	2024/01/30 09:56	2024/01/30 07:05	2024/01/30 09:45			
Sample ID			**SANG-FB-01302024**	**SANG-INF-01302024**	**SANG-INF-01302024D**	**SANG-PEDR1-01302024**	**SANG-PEDR1-01302024-TEST**	**SANG-PEDG1-01302024**	**SANG-PEDG2-01302024**	**SANG-PEDG2-01302024-TEST**	**SANG-EFF-01302024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	10	11	28	32	14	14	14	29	0.59	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	35	32	39	39	35	32	30	24	0.22	0.7	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	23	23	4.8	4.9	24	19	21	2.0 J	0.2	0.7	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	17	17	1.2 J	1.1 J	16	13	15	0.68 J	0.28	1	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	19	20	0.58 J	0.75 J	16	11	16	1.0 U	0.41	1	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	7.4	7.4	1.0 U	1.0 U	4.8	3.2	5.7	1.0 U	0.35	1	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	2.0 J	1.9 J	0.39 J	1.0 U	1.3 J	1.2 J	2.1	0.37 J (1)	0.29	1	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	0.42 J	0.38 J (1)	1.0 U	1.0 U	1.0 U	1.0 U	0.44 J	1.0 U	0.37	1	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48	1	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.34 J (4)	0.36 J (2)	0.36 J	0.70 U	0.70 U	0.34 J (2)	0.70 U	0.53 J	0.24	0.7	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	0.40 J (1)	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.55 J	0.39	1	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	6.1	6.1	1.0 U	1.0 U	5.9	4.6	5.2	1.0 U	0.27	1	2
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	6.1	6.6	1.0 U	1.0 U	5.3	3.5	4.5	1.0 U	0.34	1	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	51	58	1.0 U	1.0 U	47	30	39	1.0 U	0.28	1	2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	1.8 J	1.7 J	1.0 U	1.0 U	1.4 J	0.83 J	2.0 J	1.0 U	0.43	1	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	200 (3)	220 (3)	1.0 U	1.0 U	140 (3)	80	140 (2)	1.0 U	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.6	1.4	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.4	1.4	4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.7	1.4	4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.54	1.4	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	0.76 J	0.74 J (1)	0.56 J	1.4 U (1)	1.4 U	1.4 U	0.66 J (1)	1.4 U	0.47	1.4	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	36	43	2.9 J	2.8 J	36	19	28	1.4 U	0.63	1.4	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	17	17	1.4 U	1.4 U	3.4 J	4.3	6.8	1.4 U	0.53	1.4	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41	1.4	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.12	0.4	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42	1	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.52 J (2)	0.32	1	4

Notes:

(1) Result is estimated as analyte confirmation criterion (ion ratio) was not met.

(2) Result is estimated as analyte confirmation criteria (signal to noise) were not met.

(3) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

(4) Result is estimated as analyte confirmation criteria (ion ratio and signal to noise) were not met.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-01302024 is a field blank.

Sample SANG-INF-01302024D is a field duplicate of SANG-INF-01302024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEDG1 = post E port D GAC Unit 1

PEDG2 = post E port D GAC Unit 2

PEDR1 = post E port D Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C437509V1 - 02/06/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YHW371	5	YHW377	YHW373	YHW375	YHW374	YHW372			
		Sampling Date	2024/02/06 09:25	2024/02/06 10:00	2024/02/06 10:00	2024/02/06 09:35	2024/02/06 09:45	2024/02/06 09:40	2024/02/06 09:30			
		Sample ID	SANG-FB-02062024	SANG-INF-02062024	SANG-INF-02062024D	SANG-PEAR1-02062024	SANG-PEAG1-02062024	SANG-PEAG2-02062024	SANG-EFF-02062024	DL	LOD	LOQ
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	21	20	26	22	20	24	0.59	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	67	66	30	63	52	24	0.22	0.7	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	45	45	1.8 J	40	32	1.9 J	0.2	0.7	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	30	29	0.36 J	25	18	0.55 J	0.28	1	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	30	31	1.0 U	26	18	1.0 U	0.41	1	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	10	10	1.0 U	8	5.3	1.0 U	0.35	1	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	4.7	4.4	1.0 U	3.7	2.4	1.0 U	0.29	1	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	0.43 J	0.48 J	1.0 U	1.0 U	1.0 U	1.0 U	0.37	1	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	0.51 J	0.54 J	1.0 U	1.0 U	1.0 U	1.0 U	0.48	1	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.70 U	0.31 J	0.70 U	0.70 U	0.70 U	0.70 U	0.24	0.7	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39	1	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	12	11	1.0 U	9.4	6.2	1.0 U	0.27	1	2
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	14	13	1.0 U	9.2	5.7	1.0 U	0.34	1	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	88	87	1.0 U	65	43	1.0 U	0.28	1	2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	4.7	4.2	1.0 U	2.8	2.2	1.0 U	0.43	1	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	310 (1)	320 (1)	1.0 U	210 (1)	140 (1)	1.0 U	0.47	1	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.6	1.4	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.4	1.4	4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.7	1.4	4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.54	1.4	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	1.4 U	0.92 J (2)	1.4 U	1.4 U	1.4 U	1.4 U	0.47	1.4	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	70	68	1.4 U	49	32	1.1 J	0.63	1.4	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	21	20	1.4 U	8.7	5	1.4 U	0.53	1.4	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41	1.4	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.12	0.4	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42	1	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32	1	4

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

(2) Result is estimated as analyte confirmation criterion (ion ratio) was not met.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-02062024 is a field blank.

Sample SANG-INF-02062024D is a field duplicate of SANG-INF-02062024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEAG1 = post E port A GAC Unit 1

PEAG2 = post E port A train GAC Unit 2

PEAR1 = post E port A Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C444220V1 - 02/12/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YJG739	YJG744	YJG745	YJG741	YJG743	YJG742	YJG740			
		Sampling Date	2024/02/12 12:05	2024/02/12 12:30	2024/02/12 12:30	2024/02/12 12:15	2024/02/12 12:25	2024/02/12 12:20	2024/02/12 12:10			
		Sample ID	**SANG-FB-02122024**	**SANG-INF-02122024**	**SANG-INF-02122024D**	**SANG-PEAR1-02122024**	**SANG-PEAG1-02122024**	**SANG-PEAG2-02122024**	**SANG-EFF-02122024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	34	30	14	3.1	1.4 U	22	0.59	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	85 (1)	87 (1)	42	5.8	0.70 U	64	2.2	7	20
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	74	72	35	3.8	0.70 U	68	0.2	0.7	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	41	40	1.9 J	1.8 J	1.0 U	4.3	0.28	1	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	44	42	2.4	1.8 J	1.0 U	6.2	0.41	1	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	15	14	1.0 U	0.59 J	1.0 U	1.0 U	0.35	1	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	7.5	7.1	1.0 U	0.30 J	1.0 U	1.0 U	0.29	1	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	0.46 J	0.48 J	1.0 U	1.0 U	1.0 U	1.0 U	0.37	1	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48	1	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.24	0.7	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39	1	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	16	16	0.46 J	0.35 J	1.0 U	0.86 J	0.27	1	2
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	18	19	1.0 U	1.0 U	1.0 U	1.0 U	0.34	1	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	120 (1)	120 (1)	0.34 J	3.2	1.0 U	0.93 J	2.8	10	20
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	5.7	5.5	1.0 U	1.0 U	1.0 U	1.0 U	0.43	1	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	450 (1)	430 (1)	4.4	19	5.4	4.8	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.6	1.4	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.4	1.4	4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.7	1.4	4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.54	1.4	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	1.3 J	1.3 J	1.4 U	1.4 U	1.4 U	1.4 U	0.47	1.4	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	97 (1)	95 (1)	3.3 J	2.6 J	1.4 U	8.4	6.3	14	40
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	29	30	2.9 J	3.9 J	3.1 J	2.7 J	0.53	1.4	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41	1.4	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.12	0.4	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42	1	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32	1	4

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-02122024 is a field blank.

Sample SANG-INF-02122024D is a field duplicate of SANG-INF-02122024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEAG1 = post E port A GAC Unit 1

PEAG2 = post E port A train GAC Unit 2

PEAR1 = post E port A Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C451806V1 - 02/20/2024

RESULTS OF ANALYSES OF WATER **Validated**

		Bureau Veritas ID	YKV612	YKV617	YKV618	YKV614	YKV616	YKV615	YKV613			
		Sampling Date	2024/02/20 07:50	2024/02/20 08:15	2024/02/20 08:15	2024/02/20 08:00	2024/02/20 08:10	2024/02/20 08:05	2024/02/20 07:55			
		Sample ID	**SANG-FB-02202024**	**SANG-INF-02202024**	**SANG-INF-02202024D**	**SANG-PEBR1-02202024**	**SANG-PEBG1-02202024**	**SANG-PEBG2-02202024**	**SANG-EFF-02202024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	27	26	12	8.3	0.80 J	13	0.59	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	75	75	40	17	0.70 U	40	0.22	0.7	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	63	62	36	12	0.70 U	43	0.2	0.7	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	34	33	1.7 J	5.3	1.0 U	2.4	0.28	1	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	36	36	1.8 J	5.1	1.0 U	2.8	0.41	1	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	11	11	1.0 U	1.6 J	1.0 U	1.0 U	0.35	1	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	6.3	6.5	1.0 U	0.99 J	1.0 U	1.0 U	0.29	1	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37	1	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48	1	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.24	0.7	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39	1	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	12	13	1.0 U	1.3 J	1.0 U	0.42 J	0.27	1	2
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	15	14	1.0 U	1.2 J	1.0 U	1.0 U	0.34	1	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	95	97	1.0 U	9.7	1.0 U	0.32 J	0.28	1	2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	4.4	4.3	1.0 U	1.0 U	1.0 U	1.0 U	0.43	1	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	330 (1)	310 (1)	2.7	39	2.6	3	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.6	1.4	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.4	1.4	4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.7	1.4	4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.54	1.4	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	0.98 J	0.93 J	1.4 U	1.4 U	1.4 U	1.4 U	0.47	1.4	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.1 J	76	77	2.9 J	8.3	1.4 U	4.1	0.63	1.4	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	21	21	1.7 J	3.6 J	1.6 J	1.9 J	0.53	1.4	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41	1.4	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.16 J	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.12	0.4	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42	1	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32	1	4

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-02202024 is a field blank.

Sample SANG-INF-02202024D is a field duplicate of SANG-INF-02202024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEBG1 = post E port B GAC Unit 1

PEBG2 = post E port B GAC Unit 2

PEBR1 = post E port B Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C459846V1 - 02/27/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YMN938	YMN943	YMN944	YMN940	YMN942	YMN941	YMN939			
		Sampling Date	2024/02/27 08:50	2024/02/27 09:09	2024/02/27 09:09	2024/02/27 09:00	2024/02/27 09:06	2024/02/27 09:03	2024/02/27 08:53			
		Sample ID	**SANG-FB-02272024**	**SANG-INF-02272024**	**SANG-INF-02272024D**	**SANG-PECR1-02272024**	**SANG-PECG1-02272024**	**SANG-PECG2-02272024**	**SANG-EFF-02272024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	23	23	13	9	0.76 J	13	0.66	1.6	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	72	67	42	20	0.74 J	42	0.24	0.78	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	54	54	55	13	0.29 J	43	0.22	0.78	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	29	30	3.4	6.3	1.1 U	2.3	0.31	1.1	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	31	33	4.3	6.1	1.1 U	3	0.46	1.1	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	10	9.9	1.1 U	1.6 J	1.1 U	1.1 U	0.39	1.1	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	5	5.2	1.1 U	0.82 J	1.1 U	1.1 U	0.32	1.1	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	0.47 J	1.1 U	1.1 U	1.1 U	1.1 U	0.41	1.1	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.53	1.1	2.2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.27	0.78	2.2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.43	1.1	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	12	12	0.88 J	2.0 J	1.1 U	0.64 J	0.3	1.1	2.2
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	14	14	1.1 U	1.7 J	1.1 U	1.1 U	0.38	1.1	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	89	88	0.35 J	13	1.1 U	1.1 U	0.31	1.1	2.2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	3.8	4.3	1.1 U	0.67 J	1.1 U	1.1 U	0.48	1.1	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	290 (1)	290 (1)	0.93 J	45	1.7 J	1.1 J	5.2	11	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.71	1.6	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.67	1.6	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.44	1.6	4.4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78	1.6	4.4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.6	1.6	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	0.81 J	0.88 J	1.6 U	1.6 U	1.6 U	1.6 U	0.52	1.6	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	62	66	5.9	8.9	1.6 U	4.0 J	0.7	1.6	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	19	19	0.73 J	2.8 J	0.75 J	0.67 J	0.59	1.6	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.6	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.13	0.44	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.47	1.1	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.36	1.1	4.4

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-02272024 is a field blank.

Sample SANG-INF-02272024D is a field duplicate of SANG-INF-02272024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PECG1 = post E port C GAC Unit 1

PECG2 = post E port C train GAC Unit 2

PECR1 = post E port C Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C467353V1 - 03/05/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YOB149	YOB154	YOB155	YOB151	YOB153	YOB152	YOB150			
		Sampling Date	2024/03/05 07:10	2024/03/05 07:35	2024/03/05 07:35	2024/03/05 07:20	2024/03/05 07:30	2024/03/05 07:25	2024/03/05 07:15			
		Sample ID	SANG-FB-03052024	SANG-INF-03052024	SANG-INF-03052024D	SANG-PEDR1-03052024	SANG-PEDG1-03052024	SANG-PEDG2-03052024	SANG-EFF-03052024	DL	LOD	LOQ
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	17	18	11	9.8	2.0 J	10	0.61	1.5	2.1
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	45	48	37	21	2.4	35	0.23	0.73	2.1
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	38	42	39	16	1.1 J	37	0.21	0.73	2.1
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	22	24	2.0 J	8.5	0.57 J	2.0 J	0.29	1	2.1
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	24	25	2.2	8.4	0.55 J	2.3	0.43	1	2.1
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	8.5	8.6	1.1 U	2.8	1.1 U	1.1 U	0.36	1	2.1
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	4.1	4.5	1.1 U	1.3 J	1.1 U	1.1 U	0.3	1	2.1
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	0.54 J	0.47 J	1.1 U	1.1 U	1.1 U	1.1 U	0.39	1	2.1
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	0.5	1	2.1
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.76 U	0.73 U	0.76 U	0.76 U	0.76 U	0.76 U	0.25	0.73	2.1
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	0.41	1	2.1
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	7.9	8.4	1.1 U	1.7 J	1.1 U	1.1 U	0.28	1	2.1
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	11	11	1.1 U	2.6	1.1 U	1.1 U	0.35	1	2.1
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	72	75	0.33 J	20	0.66 J	0.42 J	0.29	1	2.1
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	3.2	3.4	1.1 U	0.95 J	1.1 U	1.1 U	0.45	1	2.1
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	270 (2)	270 (2)	0.66 J	72	2.5	0.70 J	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.67	1.5	2.1
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.62	1.5	2.1
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.42	1.5	4.2
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.73	1.5	4.2
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.56	1.5	4.2
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	0.91 J (1)	0.87 J (1)	0.53 J (1)	0.59 J (1)	1.5 U	0.55 J (1)	0.49	1.5	4.2
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	46	49	4.0 J	13	1.5 U	3.6 J	0.66	1.5	4.2
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	16	17	1.5 U	3.1 J	1.5 U	1.5 U	0.55	1.5	4.2
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.43	1.5	4.2
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.43 U	0.42 U	0.27 J	0.43 U	0.43 U	0.43 U	0.12	0.42	4.2
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	0.44	1	4.2
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	0.33	1	4.2

Notes:

(1) Result is estimated as analyte confirmation criterion (ion ratio) was not met.

(2) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-03052024 is a field blank.

Sample SANG-INF-03052024D is a field duplicate of SANG-INF-03052024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEDG1 = post E port D GAC Unit 1

PEAG2 = post E port D train GAC Unit 2

PEDR1 = post E port D Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C475330V1 - 03/12/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		YPR613	YPR618	YPR619	YPR615	YPR617	YPR616	YPR614			
	Sampling Date		2024/03/12 07:55	2024/03/12 08:20	2024/03/12 08:20	2024/03/12 08:05	2024/03/12 08:15	2024/03/12 08:10	2024/03/12 08:00			
	Sample ID		**SANG-FB-03122024**	**SANG-INF-03122024**	**SANG-INF-03122024D**	**SANG-PEAR1-03122024**	**SANG-PEAG1-03122024**	**SANG-PEAG2-03122024**	**SANG-EFF-03122024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	15	15	3.9	10	4.4	4.8	0.66	1.6	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	41	42	20	26	9.1	20	0.24	0.78	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	34	34	18	21	6.6	22	0.22	0.78	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	21	21	0.84 J	12	3.6	1.1 J	0.31	1.1	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	23	23	0.98 J	13	3.7	1.2 J	0.46	1.1	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	8.3	8.3	1.1 U	4.5	1.2 J	1.1 U	0.39	1.1	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	4.6	4.8	1.1 U	2.1 J	0.50 J	1.1 U	0.32	1.1	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	0.44 J	0.51 J	1.1 U	1.1 U	1.1 U	1.1 U	0.41	1.1	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.53	1.1	2.2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.27	0.78	2.2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.43	1.1	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	6.5	6.7	1.1 U	3.5	0.69 J	1.1 U	0.3	1.1	2.2
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	7.7	7	1.1 U	3.7	0.63 J	1.1 U	0.38	1.1	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	62	63	1.1 U	32	6.9	1.1 U	0.31	1.1	2.2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	2.5	2.4	1.1 U	1.1 J	1.1 U	1.1 U	0.48	1.1	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	210 (1)	210 (1)	1.1 J	120 (1)	31	1.1 J	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.71	1.6	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.67	1.6	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.44	1.6	4.4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.78	1.6	4.4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.6	1.6	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.52	1.6	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	40	41	1.4 J	19	4.6	1.8 J	0.7	1.6	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	18	17	1.6 U	5.4	1.6 J	1.6 U	0.59	1.6	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.6	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.13	0.44	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.47	1.1	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.36	1.1	4.4

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-03122024 is a field blank.

Sample SANG-INF-03122024D is a field duplicate of SANG-INF-03122024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEAG1 = post E port A GAC Unit 1

PEAG2 = post E port A train GAC Unit 2

PEAR1 = post E port A Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C483490V1 - 03/19/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YRJ795	YRJ800	YRJ801	YRJ797	YRJ799	YRJ798	YRJ796			
		Sampling Date	2024/03/19 07:50	2024/03/19 08:20	2024/03/19 08:20	2024/03/19 08:00	2024/03/19 08:10	2024/03/19 08:05	2024/03/19 07:55			
		Sample ID	**SANG-FB-03192024**	**SANG-INF-03192024**	**SANG-INF-03192024D**	**SANG-PEBR1-03192024**	**SANG-PEBG1-03192024**	**SANG-PEBG2-03192024**	**SANG-EFF-03192024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	28	28	5	17	7	5.3	0.59	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	83	82	25	44	13	24	0.22	0.7	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	70	71	24	35	8.6	26	0.2	0.7	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	39	39	1.0 J	18	3.8	1.4 J	0.28	1	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	41	41	1.1 J	18	3.6	1.5 J	0.41	1	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	14	14	1.0 U	5.7	0.86 J	1.0 U	0.35	1	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	6.2	5.8	1.0 U	2.2	1.0 U	1.0 U	0.29	1	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37	1	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48	1	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.24	0.7	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39	1	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	14	14	1.0 U	5.6	0.81 J	1.0 U	0.27	1	2
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	16	17	1.0 U	5.7	0.66 J	1.0 U	0.34	1	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	120 (1)	120 (1)	1.0 U	45	6.4	1.0 U	2.8	10	20
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	5.5	5.6	1.0 U	1.9 J	1.0 U	1.0 U	0.43	1	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	420 (1)	430 (1)	0.56 J	160 (1)	27	0.73 J	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.6	1.4	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.4	1.4	4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.5 J	1.4 U	0.92 J	2.1 J	1.4 U	2.2 J	0.7	1.4	4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 J	1.4 U	0.72 J	1.8 J	1.4 U	1.8 J	0.54	1.4	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	0.92 J	0.86 J	1.4 U	1.4 U (2)	1.4 U	1.4 U	0.47	1.4	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	83	82	1.8 J	30	4.5	2.3 J	0.63	1.4	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	24	25	1.4 U	5.3	0.87 J	1.4 U	0.53	1.4	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41	1.4	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.12	0.4	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.42	1	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32	1	4

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

(2) Result is estimated as analyte confirmation criterion (ion ratio) was not met.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-03192024 is a field blank.

Sample SANG-INF-03192024D is a field duplicate of SANG-INF-03192024.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PEBG1 = post E port B GAC Unit 1

PEBG2 = post E port B GAC Unit 2

PEBR1 = post E port B Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

C491341V1_C494668V1 - 03/26/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	YTA257	YTS609	YTA262	YTA263	YTA259	YTA261	YTA260	YTA258	YTS610			
		Sampling Date	2024/03/26 08:10	2024/03/28 12:45	2024/03/26 08:40	2024/03/26 08:40	2024/03/26 08:20	2024/03/26 08:30	2024/03/26 08:25	2024/03/26 08:15	2024/03/28 13:00			
		Sample ID	**SANG-FB-03262024**	**LAGNB-FB-0328024**	**SANG-INF-03262024**	**SANG-INF-03262024D**	**SANG-PECR1-03262024**	**SANG-PECG1-03262024**	**SANG-PECG2-03262024**	**SANG-EFF-03262024**	**LAGNB-EFF-0328024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.5 U	1.4 U	16	16	5.1	11	7	4.2	1.4 U	0.61	1.5	2.1
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.73 U	0.70 U	42	43	21	27	13	20	0.70 U	0.23	0.73	2.1
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.73 U	0.70 U	35	35	27	22	9.2	22	0.70 U	0.21	0.73	2.1
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	23	23	2.2	13	5.3	1.7 J	1.0 U	0.29	1	2.1
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	26	26	2.4	14	5.7	1.9 J	1.0 U	0.43	1	2.1
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	11	11	1.0 U	5.6	2.2	1.0 U	1.0 U	0.36	1	2.1
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	4.8	4.7	1.0 U	2.3	1.1 J	1.0 U	1.0 U	0.3	1	2.1
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	0.80 J	0.73 J	0.49 J	0.56 J	0.48 J	0.50 J	1.0 U	0.38	1	2.1
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	0.78 J	0.89 J	0.56 J	0.56 J	0.52 J	0.56 J	1.0 U	0.5	1	2.1
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.73 U	0.70 U	0.73 U	0.73 U	0.56 J	0.73 U	0.73 U	0.73 U	0.70 U	0.25	0.73	2.1
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.59 J	1.0 U	0.41	1	2.1
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	1.0 U	7.8	7.6	0.89 J	4.1	1.6 J	0.75 J	1.0 U	0.28	1	2.1
Perfluoropentanesulfonic acid (PFPes)	EPA 537.1 M	ng/L	1.0 U	1.0 U	8.2	8.5	1.0 U	3.9	1.4 J	1.0 U	1.0 U	0.35	1	2.1
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	1.0 U	64	65	1.0 U	31	8.9	1.0 U	1.0 U	0.29	1	2.1
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.0 U	1.0 U	3.5	3.4	1.0 U	2.1 J	0.94 J	1.0 U	1.0 U	0.45	1	2.1
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	1.0 U	260 (1)	260 (1)	0.65 J	130 (1)	39	0.85 J	1.0 U	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	0.67	1.5	2.1
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	0.62	1.5	2.1
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.5 U	1.4 U	0.79 J (2)	0.81 J	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	0.42	1.5	4.2
MeFOSAA	EPA 537.1 M	ng/L	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.83 J	1.4 U	0.73	1.5	4.2
EtFOSAA	EPA 537.1 M	ng/L	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	0.56	1.5	4.2
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.5 U	1.4 U	0.67 J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	0.49	1.5	4.2
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.5 U	1.4 U	50	51	3.3 J	23	7.6	2.4 J	1.4 U	0.66	1.5	4.2
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.5 U	1.4 U	21	20	0.75 J	6.4	2.3 J	0.91 J	1.4 U	0.55	1.5	4.2
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.4 U	0.43	1.5	4.2
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.42 U	0.40 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.42 U	0.40 U	0.12	0.42	4.2
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.44	1	4.2
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.33	1	4.2

Notes:

(1) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x). Some results reference different lab limits due to dilution.

(2) Result is estimated as analyte confirmation criterion (ion ratio) was not met.

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

J - Estimated result. Associated value may not be accurate or precise.

LOD = Limit of Detection

LOQ = Limit of Quantitation

ng/L - nanograms per Liter or parts per trillion.

SANGB = Stewart Air National Guard Base

U - Undetected. Compound was analyzed for, but not detected.

Sample SANG-FB-03262024 and SANG-FB-03282024 are field blanks.

Sample SANG-INF-03262024 D is a field duplicate of SANG-INF-03262024 .

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.

PECG1 = post E port C GAC Unit 1

PECG2 = post E port C train GAC Unit 2

PECR1 = post E port C Resin 1

Effluent (EFF) = Treated water that has passed through the ISWTS

Influent (INF) = Untreated water from Recreational Pond

ISWTS = Interim Storm Water Treatment System

TABLE 2 - OTHER WATER QUALITY MONITORING RESULTS

Bristol ENVIRONMENTAL SOLUTIONS, LLC

Glycols				
Sample Parameter/Sample ID	**Sampling Date**	**Influent (SANG-INF-01312024 mg/L)**	**PDG2 Effluent (SANG-PEDG2-01312024 mg/L)**	**Effluent (SANG-EFF-01312024 mg/L)**
Diethylene glycol	1/31/2024	<52	<52	<52
Ethylene glycol		<13	<13	<13
Propylene glycol		<10	<10	<10
Triethylene Glycol		<54	<54	<54

Total Organic Carbon (TOC)				
Sample Parameter	**Sampling Date**	**Influent (mg/L)**	**PDG2 Effluent (mg/L)**	**Effluent (mg/L)**
TOC	1/31/2024	3.00	2.20	1.90

TABLE 3 - PREVENTIVE MAINTENANCE

Date	Primary Bag Filter Change and Type of Filters Installed	Secondary Bag Filter Change and Type of Filters Installed	Treatment Process Backwashed	Sand Filter Cleaning or Changeout	Media Change Out	Resin Vessel Skimming
1/3/2024						Trains A, B, C, & D, Resin Skimming
1/4/2024			Secondary Carbon vessels A2, B2, C2, & D2			
1/5/2024	25 Micron Pleated	10 Micron Pleated				
1/11/2024				Fine Sand Filters (3A/3B)		
1/12/2024	25 Micron Pleated	10 Micron Pleated				
1/17/2024			Primary Carbon vessels A1, B1, C1, & D1			
1/19/2024		10 Micron Regular				
1/22/2024			Primary Carbon vessels A1, B1, C1, & D1			
1/24/2024			Primary Carbon vessels A1, B1, C1, & D1			
1/25/2024				Fine Sand Filters (4A/4B)		
1/26/2024	25 Micron Regular	10 Micron Regular				

TABLE 3 - PREVENTIVE MAINTENANCE

Date	Primary Bag Filter Change and Type of Filters Installed	Secondary Bag Filter Change and Type of Filters Installed	Treatment Process Backwashed	Sand Filter Cleaning or Changeout	Media Change Out	Resin Vessel Skimming
2/1/2024			Secondary Carbon vessels A2, B2, C2, & D2			
2/2/2024	25 Micron Regular	10 Micron Regular				
2/6/2024					Changed out GAC media in Treatment Train B.	
2/7/2024			Primary Carbon vessel B1 and Secondary Carbon vessel B2		Changed out IX Resin in Treatment Train B. Changed out media in Treatment Train A.	
2/8/2024			Primary Carbon vessel A1 and Secondary Carbon vessel A2		Put Treatment Train A in service after Carbon Backwash	
2/9/2024					Changed out media in Treatment Train C.	
2/10/2024			Primary Carbon vessel C1 and Secondary Carbon vessel C2		Changed out media in Treatment Train D. Put Treatment Train C in service after Carbon Backwash	
2/12/2024		10 Micron Regular	Primary Carbon vessel D1 and Secondary Carbon vessel D2		Put Treatment Train D in service after Carbon Backwash	
2/14/2024				Coarse Sand Filters (1A/1B)		

TABLE 3 - PREVENTIVE MAINTENANCE

Date	Primary Bag Filter Change and Type of Filters Installed	Secondary Bag Filter Change and Type of Filters Installed	Treatment Process Backwashed	Sand Filter Cleaning or Changeout	Media Change Out	Resin Vessel Skimming
2/16/2024	25 Micron Regular					
2/21/2024		10 Micron Regular				
2/22/2024				Coarse Sand Filters (2A/2B)		
2/23/2024	25 Micron Regular					
2/28/2024			Primary Carbon vessels A1, B1, C1, & D1			
2/29/2024		10 Micron Regular				
3/1/2024	25 Micron Regular					
3/7/2024		10 Micron Regular		Fine Sand Filters (3A/3B)		
3/8/2024	25 Micron Regular					
3/11/2024		10 Micron Regular				
3/12/2024			Primary Carbon vessels A1, B1, C1, & D1			
3/14/2024		10 Micron Pleated		Fine Sand Filters (4A/4B)		

TABLE 3 - PREVENTIVE MAINTENANCE

Date	Primary Bag Filter Change and Type of Filters Installed	Secondary Bag Filter Change and Type of Filters Installed	Treatment Process Backwashed	Sand Filter Cleaning or Changeout	Media Change Out	Resin Vessel Skimming
3/15/2024	25 Micron Regular					
3/18/2024		10 Micron Regular				
3/20/2024		10 Micron Regular				
3/21/2024		10 Micron Regular	Primary Carbon vessels A1, B1, C1, & D1			
3/22/2024	25 Micron Regular	10 Micron Pleated				
3/25/2024		10 Micron Regular				
3/27/2024			Secondary Carbon vessels A2, B2, C2, & D2			
3/28/2024		10 Micron Regular				
3/29/2024					Replace IX Resin in Trains A and B	
3/30/2024					Replace IX Resin in Trains C and D	

FIGURES

FIGURE 1

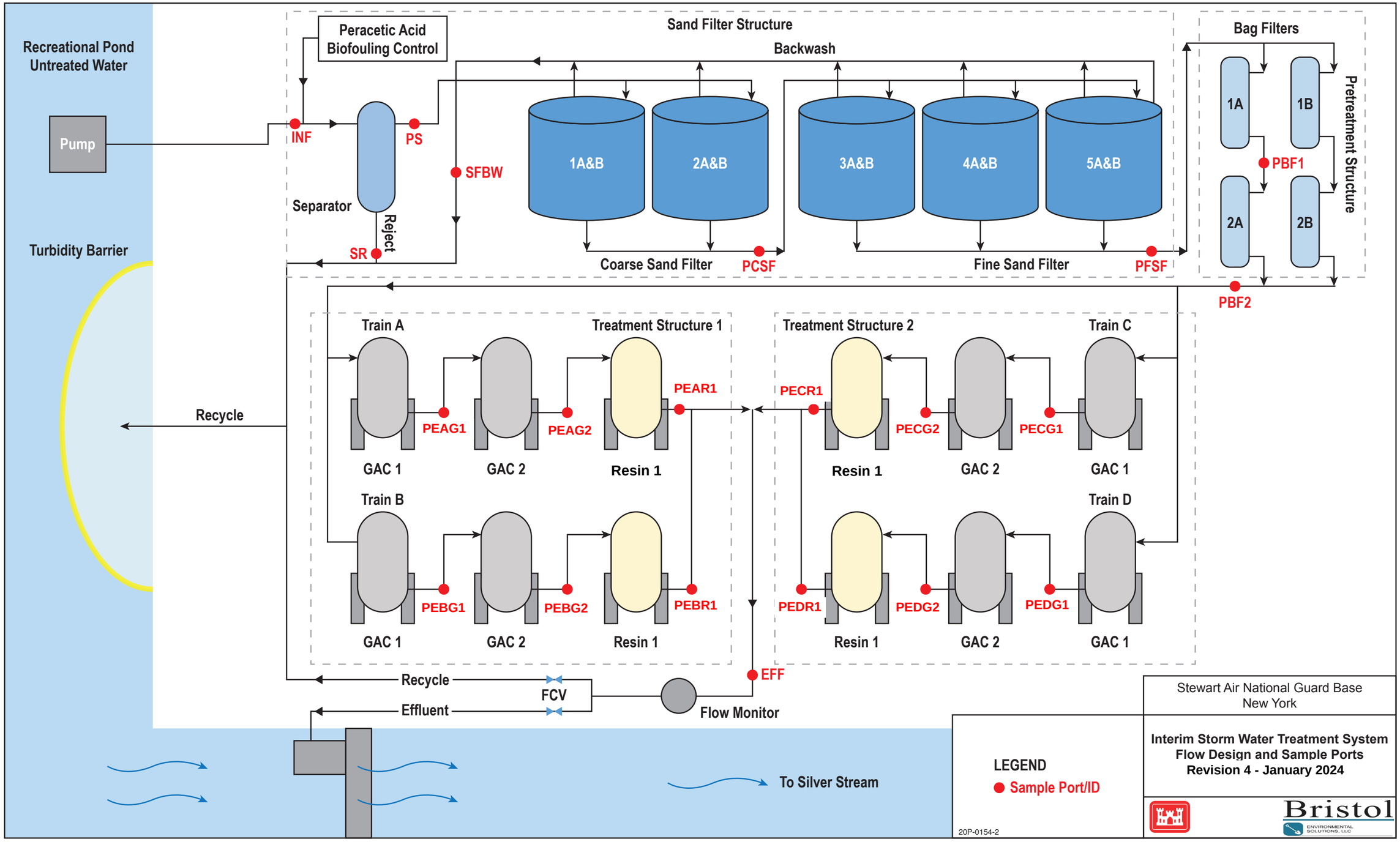

Recreational Pond
Untreated Water
Pump
Turbidity Barrier
Peracetic Acid
Biofouling Control
Sand Filter Structure
Backwash
INF
PS
SFBW
Separator
Reject
SR
1A&B
2A&B
3A&B
4A&B
5A&B
Coarse Sand Filter
PCSF
Fine Sand Filter
PFSF
Bag Filters
1A
1B
2A
2B
PBF1
Pretreatment Structure
PBF2
Train A
Treatment Structure 1
PEAG1
PEAG2
PEAR1
GAC 1
GAC 2
Resin 1
Train B
PEBG1
PEBG2
PEBR1
Treatment Structure 2
Train C
PECR1
PECG2
PECG1
Train D
PEDR1
PEDG2
PEDG1
Recycle
Effluent
FCV
EFF
Flow Monitor
To Silver Stream
LEGEND
Sample Port/ID
20P-0154-2
Stewart Air National Guard Base
New York
Interim Storm Water Treatment System
Flow Design and Sample Ports
Revision 4 - January 2024
Bristol
ENVIRONMENTAL SOLUTIONS, LLC

FIGURE 2 - RECREATION POND LEVEL CHART

January to March 2024

ISWTS SANGB - RECREATION POND LEVEL

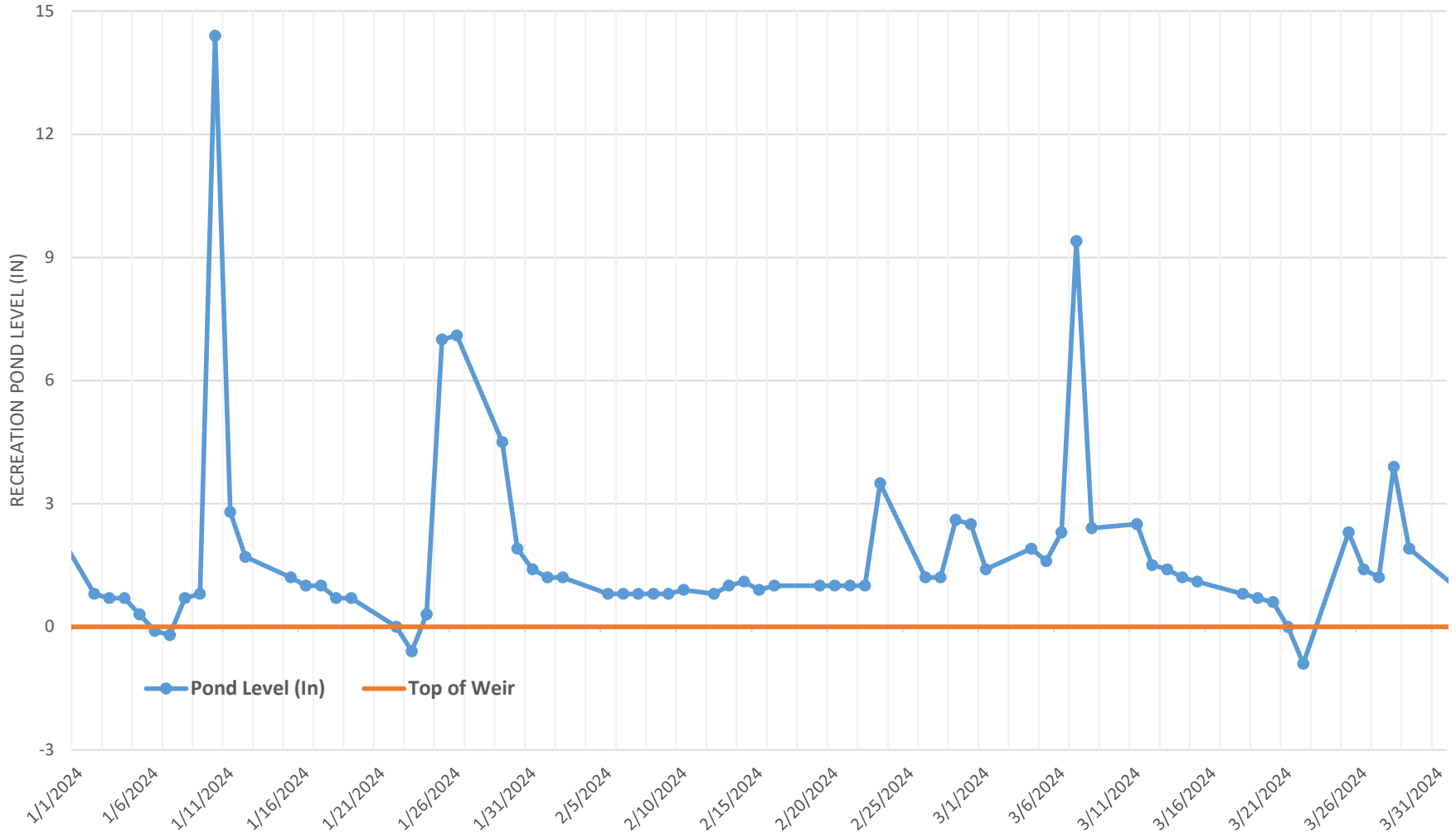
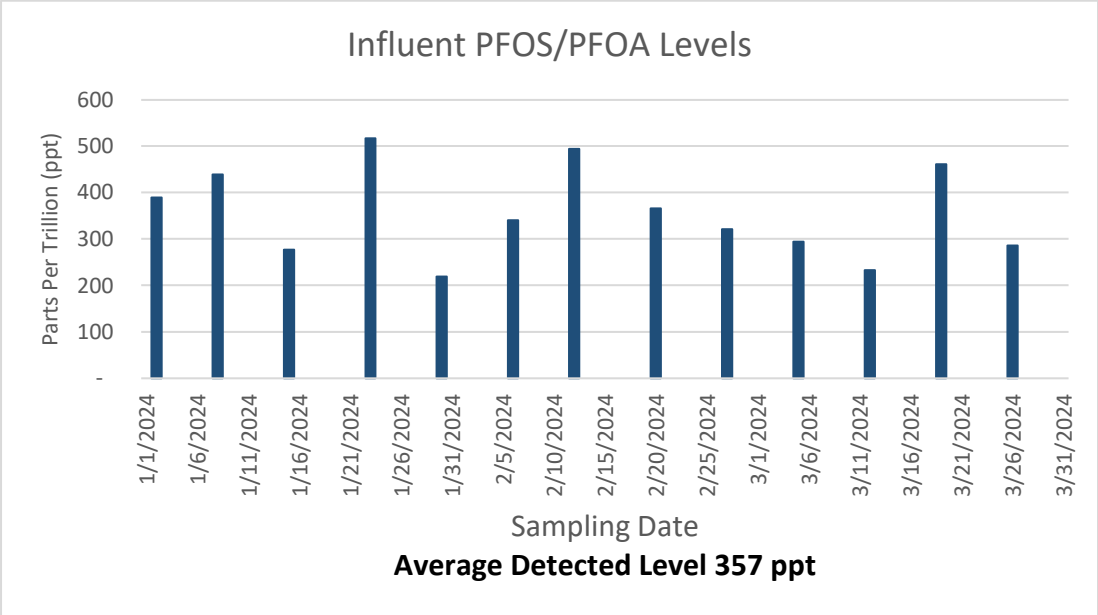
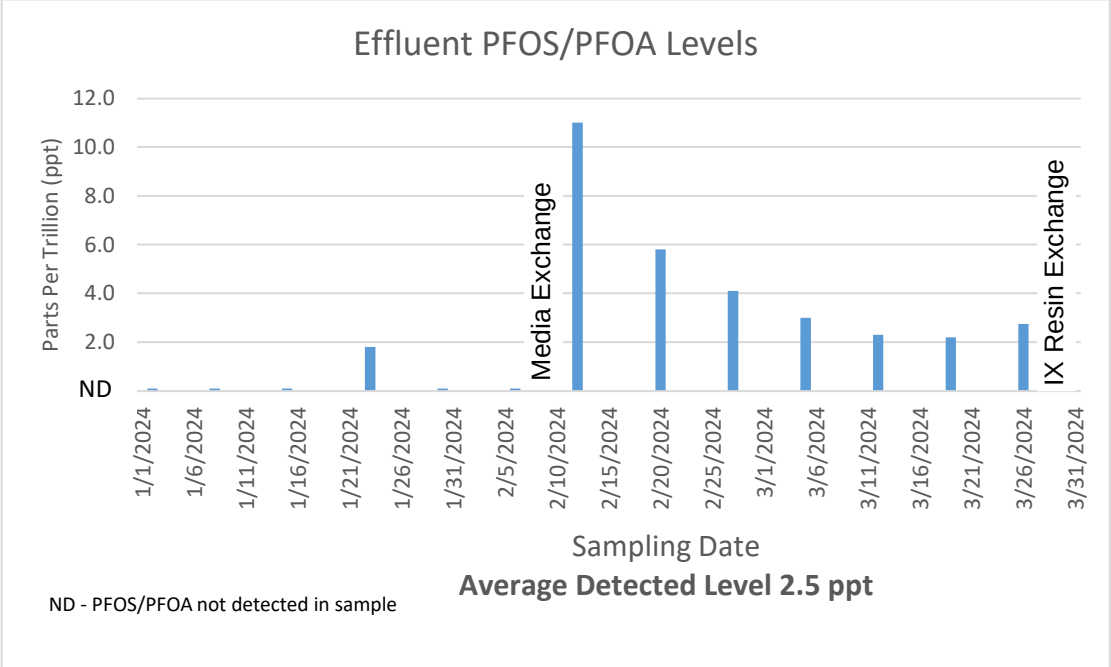


FIGURE 3 - INFLUENT AND EFFLUENT PFOS AND PFOA CHARTS



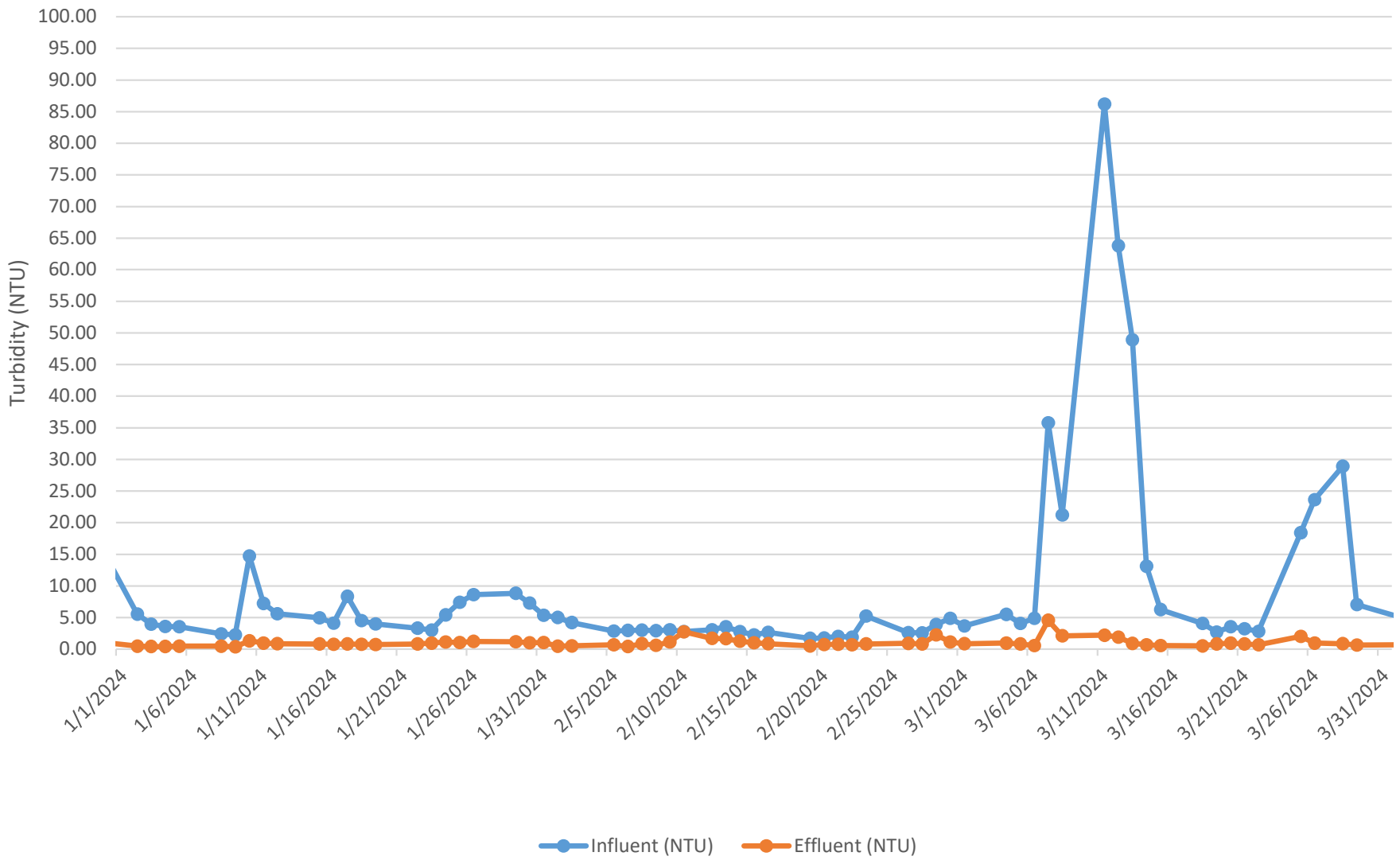


ND - PFOS/PFOA not detected in sample

FIGURE - 4 - INFLUENT AND EFFLUENT TURBIDITY CHART

January to March 2024

Influent and Effluent Turbidity



ATTACHMENT 1

Material Disposal Documents

ONION EQUIPMENT COMPANY

5705 W 73rd Street
Indianapolis, IN 46278
Phone: (317) 762-6007

April 25, 2024

Re: Stewart ANG February 2024 Media Exchange Event

To whom it may concern,

Attached are the manifests and disposal certificates for the waste generated on the service event which occurred in February of 2024.

Thank you,

Eric Patterson

CERTIFICATE OF DESTRUCTION AND ACTIVATED CARBON REACTIVATION

CAN Number: 6973N

Company: Onion Equipment Company
5705 West 73rd St.
Indianapolis, IN 46278-1741

Issue Date: April 22, 2024

Service Order # 60018470

CCC CAN Number: 6973N / 19-03N-1

Waste Classification: RCRA non-hazardous

Treatment Method: Thermal Reactivation

Calgon Carbon hereby certifies on the above date 20,000 pounds of spent carbon received under the indicated carbon profile application number and customer manifest was reactivated in accordance with the state and federal regulations by thermal processing that removes and destroys the volatile and semi-volatile contaminants adsorbed on the spent carbon.

Calgon Carbon Corporation

Robert Natili

Quality Assurance Supervisor

Calgon Carbon Corporation
200 Neville Road
Pittsburgh, PA 15225

Phone 412-771-4050

Non-Hazardous Waste Manifest

GENERATOR SECTION

Non-Hazardous Waste Manifest	Generator ID Number	Waste Profile Number	Waste Tracking (Manifest) Number
	NYD 981 183 338	F220121WDI-OTS	19-03N-2

Customer Billing Name and Mailing	Generator's Site Address
Onion Equipment Company 5705 W 73rd Street - Indianapolis, IN 46278 Customer Billing Phone: (317) 694-7576	Stewart ANG Base 1 Maquire Way, Newburgh, NY 12550 Generator's Phone:

Transporter 1 Company Name	US EPA ID Number

Transporter 2 Company Name	US EPA ID Number

Designated Facility Name and Site Address	US EPA ID Number
WAYNE DISPOSAL, INC. SITE #2 LANDFILL 49350 N I-94 SERVICE DRIVE- BELLEVILLE, MI 48111 Facility's Phone: 412-771-4050, X4116	MID 048 090 633

	Waste Shipping Name and Description	Containers No.	Containers Type	Total Quantity	Unit Wt / Vol.	Disposal Method
1	F220121WDI / Spent PFAS Filtration Media	12	1 CYB BAG	30,000	LB	Landfill
2						
3						
4						

Special Handling Instructions and Additional Information	24 Hour Emergency Response Phone
(8) Bags Resin, (4) Bags Filter Bags Delivery Appointment Thur 3/7 at Noon. Conf.# 1257412	317-694-7576 Emergency Response Guide Number

GENERATOR'S / OFFEROR'S CERTIFICATION: I hereby certify that the above-described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Generator's Offeror's Printed / Typed Name	Signature	Month	Day	Year
Eric Patterson (agent for SANG)	Digitally signed by Eric Patterson DN: cn=Eric Patterson, o=OEC Process, ou, email=epatterson@oecprocess.com, c=US Date: 2022.11.21 19:07:44 -05'00'	March	5	2024

TRANSPORTER SECTION

Transporter's Acknowledgement of Receipt of Materials

Transporter 1 Printed / Typed Name	Signature	Month	Day	Year
ANA Express LCC Audrey		March	5	2024
Transporter 2 Printed / Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY SECTION

Discrepancy

Discrepancy Indication Space	☐ Quantity	☐ Type	☐ Residue	☐ Partial Rejection	☐ Full Rejection

Alternate Facility (or Generator)	US EPA ID Number
Facility's Phone:	

Signature of Alternate Facility (or Generator)	Month	Day	Year

Designated Facility Owner or Operator: Certification of Receipt of materials covered by the manifest except as noted in Discrepancy section

Printed / Typed Name	Signature	Month	Day	Year
HOPE SMITH	Hope Smith	3	7	24

CERTIFICATE OF DISPOSAL

REPUBLIC SERVICES

This certificate is to verify the wastes specified on Manifest # 19-03N-2

have been properly disposed of in accordance with all local, state and federal regulation.

"Disposed of" means either: 1) Burial or 2) Processed as specified in 40CFR et sea.

FACILITY NAME: (Please check one)

☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)

☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

ADDRESS: 49350 N. I-94 Service Drive
Bellville, Michigan 48111

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: Bmixon