US Army Corps of Engineers
Baltimore District

QUARTERLY OM&M REPORT NO. 18

October to December 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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ACRONYMS AND ABBREVIATIONS

AFFF	aqueous film-forming foam
BES	Bristol Environmental Solutions, LLC
EPA	U.S Environmental Protection Agency
GAC	granular activated carbon
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), perfluorooctanoic acid (PFOA), and other per- and polyfluoroalkyl substances (PFAS). Aqueous film-forming foam (AFFF) used at SANGB is the source of the PFAS contamination.

This report summarizes ISWTS Operations, Maintenance and Monitoring (OM&M) between October 1 and December 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 December 4 and December 10, 2024, because fouling of the media restricted the hydraulic capacity. The media exchange included replacement of the GAC and IX resin media. Bristol Environmental Solutions, LLC (BES) also scheduled vessel replacement of three PFOS/PFOA treatment vessels for Train C, which included a new IX resin vessel equipped with a lower intermediate sample port, located at approximately the mid-point or 50% through the IX media to increase the projects ability to monitor the IX resin performance. Following completion of the media change and Train C vessel replacement, the original Train C vessels were removed from the site for reconditioning.

During the performance period, a total of 21,936,500 gallons of stormwater were treated and discharged over the outfall weir by the ISWTS. There were 92 days between October 1 and December 31, 2024. The Recreation Pond was drawn down below the outfall weir for 52 of the 92 days or 56% of the quarter, which is above average. Increased drawdown below the weir during this performance period was influenced by both lower stormwater inflow and seasonal precipitation.

PFOS and PFOA samples were collected 14 times on the influent and effluent during the performance period. The combined PFOS and PFOA influent average concentration during the performance period was 430 parts per trillion (ppt). PFOS and PFOA were not detected in the ISWTS effluent during the OM&M period between October 1 and December 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), perfluorooctanoic acid (PFOA) and other per- and polyfluoroalkyl substances (PFAS). Aqueous film-forming foam (AFFF) used at SANGB is the source of the PFAS contamination that is present in the stormwater.

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 18th Quarterly Report that summarizes Operations, Maintenance, and Monitoring (OM&M) activities conducted by BES at SANGB. This report summarizes ISWTS operations between October 1 and December 31, 2024, at SANGB.

2.0 GENERAL OPERATIONS 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 October 1 and December 31, 2024, or months 52, 53, and 54 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, PFOA, and other PFAS. Intra-process monitoring consists of three locations at the outlet of each vessel. Additional performance sampling was also performed at one (1) intermediate intra-process sample port to monitor IX media performance at approximately one quarter or (25%) through the IX media on Train B resin vessel during the quarter. Performance sampling was conducted for a total of 14 days during the quarterly period. Final PFAS results are provided in **Table 1**.

PFOS and PFOA mitigation is performed by granular activated carbon (GAC) and ion exchange resin (IX) media that absorb these compounds and other PFAS. One complete PFOS and PFOA media change including GAC, and IX media was performed between 4 and 10 December 2024. This was completed because fouling of the media restricted the hydraulic capacity. No PFOS and PFOA were detected in the effluent discharge during this period.

The analytical method used for all PFAS monitoring during the performance period was U.S. Environmental Protection Agency (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. During previous operating periods, peracetic acid was introduced to combat biofouling but it was determined to not be effective and was not introduced to the ISWTS influent during the reporting period. During the quarter, the ultrasonic device (Pulsar 3000) was operated 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, approximately 22 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), 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 during the performance period. Due to drier than normal conditions and limited stormwater inflow the ISWTS and influent pump did 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)
October 2024	4,727,700	45%	235
November 2024	6,509,500	57%	255
December 2024	10,699,300	100%	257
Total	21,936,500		

[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 92 days between October 1 and December 31, 2024. The Recreation Pond was drawn down below the outfall weir for 52 of the 92 days or 56% of the quarter, which is above average. Increased drawdown below the weir during this performance period was influenced by regional drought conditions and lower stormwater inflow.

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 14 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 average detected concentration during the performance period were 430 ppt. Neither PFOS nor PFOA were detected in the ISWTS effluent. The maximum combined PFOS and PFOA influent concentration was 707 ppt on November 5, 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 and at one intermediate sample port on the Train B Resin vessel. 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 BES collected seven additional performance samples from a new intermediate sample port installed at approximately one quarter or (25%) through the new Train B IX vessel. This new sample port allowed for enhanced monitoring of the IX media performance. The highest combined PFOS/PFOA concentrations in the Primary GAC effluent, Secondary GAC effluent, 25% IX and IX effluent were 444, 252, 70, and 30 ppt respectively during the performance monitoring period.

5.3 OTHER WATER QUALITY MONITORING

During the performance period additional monitoring was performed for total organic carbon, and glycols on the influent, IX resin influent and final effluent on December 3, 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 slightly above the recommended

maximum by the resin manufacturer. Effluent TOC concentration was 1.90 mg/L. Although the TOC levels are higher than recommended, no adverse performance of the IX media was 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 9.4 nephelometric turbidity units (NTUs) and 0.89 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 utilized to inhibit algae growth through November 2024. 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;

During the performance period, the coarse and fine filters were each backwashed 444 and 443 times respectively and one cleaning event was completed. The primary and secondary

bag filters were changed 14 and 22 times, respectively, during the performance period. To maintain acceptable PFAS treatment media pressure, the primary, and secondary GAC vessels were backwashed 11 and 6 times respectively during the quarter. 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 granular activated carbon and spent ion exchange resin were generated during this reporting period. On December 13, 2024, spent GAC waste was demobilized from SANGB by the Onion Equipment Company for GAC regeneration at Calgon Corporation in Kentucky. The spent waste bag filters, and spent ion exchange resin collected were transported from the site on December 27, 2024 for disposal shipment to US Ecology Subtitled C landfill in Michigan. 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. BES plans to increase intra-process PFOS/PFOA monitoring by sampling both new sample ports installed on the IX resin vessels to better predict when PFOS/PFA breakthrough is likely to occur. This will include continued sampling of Train B IX resin vessel sample port (MIDBR1) installed at approximately one quarter or (25%) through the IX media and sampling of Train C IX resin vessel sample port (LOWCR1) installed at approximately the mid-point or (50%) through the Train C IX resin vessel.

Lower stormwater inflow to Recreation Pond was observed in January 2025 that allowed for improved pond elevation drawdown, but premature GAC media fouling was also

observed. BES will monitor and if necessary replace GAC media in order to extend IX resin media life.

BES will continue to operate ultrasonic algae control equipment during the 2025 warm weather season, beginning in approximately April 2025. 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 appears to be successful in mitigating visible seasonal algae through November 2024.

Bristol will continue to evaluate modifications that could be considered to improve the overall system performance. No capital improvements are planned at this time.

TABLES

C4AG843V1 - 11/19/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

Bureau Veritas ID			AJNP48	AJNP53	AJNP54	AJNP50	AJNP55	AJNP52	AJNP51	AJNP49			
Sampling Date			2024/11/19 09:45	2024/11/19 10:02	2024/11/19 10:02	2024/11/19 09:53	2024/11/19 10:06	2024/11/19 09:59	2024/11/19 09:56	2024/11/19 09:48			
Sample ID			**SANG-FB-11192024**	**SANG-INF-11192024**	**SANG-INF-11192024D**	**SANG-PEBR1-11192024**	**SANG-MIDBR1-1192024**	**SANG-PEBG1-11192024**	**SANG-PEBG2-11192024**	**SANG-EFF-11192024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**											
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	56	51	22	43	47	40	12	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	150 (1)	130 (1)	16	81	130 (1)	87	1.6 U	0.51	1.6	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	120 (1)	120 (1)	12	45	96	69	1.6 U	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	50	49	4.3	14	38	27	1.6 U	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	46	44	1.6 U	10	34	22	1.6 U	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	9.1	9.4	0.65 J	1.6 J	5.9	3.7	1.6 U	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	6	5.7	1.2 U	0.66 J	3.1	1.6 J	1.2 U	0.39	1.2	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.48	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.6	2
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.54	1.6	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	33	32	2.6	1.8 J	25	16	1.6 U	0.65	1.6	2
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.6 U	39	38	2.9	2.5	31	16	1.6 U	0.64	1.6	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	190 (1)	170 (1)	14	14	140 (1)	84	1.2 U	0.37	1.2	2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.6 U	8.1	8.2	0.58 J	0.55 J	5.5	3.1	1.6 U	0.48	1.6	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	630 (1)	550 (1)	30	39	410 (1)	230 (1)	1.6 U	0.46	1.6	2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.56	1.6	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.69	1.6	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.55	1.6	4
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.79	2.8	4
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.97	2.8	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	3.1 J	2.8 J	1.6 U	1.1 J	2.5 J	1.6 J	1.6 U	0.44	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	130 (1)	110 (1)	8.9	29	85	51	1.2 U	0.37	1.2	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	15	14	1.6 U	1.6 U	4.7	1.2 J	1.6 U	0.48	1.6	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.51	1.6	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.49	1.6	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.41	1.6	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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-11192024 is field blank.

Sample SANG-INF-11192024 D is a field duplicate of SANG-INF-11192024.

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 train 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

MIDBR1 = Train B Resin unit 1 middle sample port

C4AN225V1 - 11/26/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		AKBR44	AKBR49	AKBR50	AKBR46	AKBR51	AKBR48	AKBR47	AKBR45			
	Sampling Date		2024/11/26 07:20	2024/11/26 07:50	2024/11/26 07:50	2024/11/26 07:30	2024/11/26 07:55	2024/11/26 07:40	2024/11/26 07:35	2024/11/26 07:25			
	Sample ID		**SANG-FB-11262024**	**SANG-INF-11262024**	**SANG-INF-11262024D**	**SANG-PECR1-11262024**	**SANG-MIDBR1-11262024**	**SANG-PECG1-11262024**	**SANG-PECG2-11262024**	**SANG-EFF-11262024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**											
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	34	37	39	43	33	32	28	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	99	110 (2)	6.2	100 (2)	89	81	4	5.1	16	20
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	85	88	0.65 J	58	71	60	1.6 U	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	49	52	1.6 U	23	42	32	1.6 U	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	47	49	1.6 U	18	40	28	1.6 U	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	11	11	1.6 U	4.2	9.1	5.8	1.6 U	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	15	17	1.2 U	4.5	11	5.7	1.2 U	0.39	1.2	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	1.1 J	1.2 J	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.48	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.6 J	1.7 J	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.6	2
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.54	1.6	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	8.3	9	1.6 U	1.6 J	7.6	5.6	1.6 U	0.65	1.6	2
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.6 U	12	13	1.6 U	1.6 J	9.9	6.8	1.6 U	0.64	1.6	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	65	70	1.2 U	10	53	37	1.2 U	0.37	1.2	2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.6 U	3.3	3.3	1.6 U	0.60 J	2.6	1.7 J	1.6 U	0.48	1.6	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	290 (2)	260 (2)	1.6 U	36	180 (2)	99	1.6 U	0.46	1.6	2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.56	1.6	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.69	1.6	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	0.55 J	0.60 J (1)	1.6 U	1.6 U	1.6 U (1)	1.6 U	1.6 U	0.55	1.6	4
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.79	2.8	4
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.97	2.8	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.2 J	1.4 J	1.6 U	1.1 J	1.0 J	0.77 J (1)	1.6 U	0.44	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	79	83	1.2 U	35	61	39	1.2 U	0.37	1.2	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	24	25	1.6 U	2.8 J	7	2.7 J	1.6 U	0.48	1.6	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.51	1.6	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.49	1.6	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.41	1.6	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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-11262024 is field blank.

Sample SANG-INF-11262024 D is a field duplicate of SANG-INF-11262024.

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

MIDBR1 = Train B Resin unit 1 middle sample port

C4AU883V1 - 12/03/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

Bureau Veritas ID			AKSM89	AKSM94	AKSM95	AKSM91	AKSM97	AKSM93	AKSM92	AKSM90			
Sampling Date			2024/12/03 08:15	2024/12/03 08:40	2024/12/03 08:40	2024/12/03 08:25	2024/12/03 08:45	2024/12/03 08:35	2024/12/03 08:30	2024/12/03 08:20			
Sample ID			**SANG - FB - 12032024**	**SANG - INF - 12032024**	**SANG - INF - 12032024D**	**SANG - PEDR1 - 12032024**	**SANG - MIDBR1 - 12032024**	**SANG - PEDG1 - 12032024**	**SANG - PEDG2 - 12032024**	**SANG - EFF - 12032024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**											
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	29	28	22	34	29	28	36	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	96	93	1.2 J	88	82	71	8.1	0.51	1.6	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	77	74	1.6 U	56	64	54	0.91 J	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	45	43	1.6 U	23	36	29	1.6 U	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	40	39	1.6 U	18	32	24	1.6 U	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	10	9.6	1.6 U	4.6	7.8	5.8	1.6 U	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	13	12	1.2 U	4.6	8.6	6.1	1.2 U	0.39	1.2	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	1.2 J	1.2 J	1.6 U	1.6 U	0.67 J	1.6 U	1.6 U	0.48	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.3 J	1.3 J	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.6	2
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.54	1.6	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	11	11	1.6 U	2.4	8.9	6.8	1.6 U	0.65	1.6	2
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.6 U	14	13	1.6 U	2.5	11	7.4	1.6 U	0.64	1.6	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	87	87	1.2 U	16	68	49	1.2 U	0.37	1.2	2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.6 U	3.9	3.4	1.6 U	1.3 J	2.9	2.2	1.6 U	0.48	1.6	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	290 (1)	290 (1)	1.6 U	52	210 (1)	140 (1)	1.6 U	0.46	1.6	2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.56	1.6	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.69	1.6	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	0.80 J (3)	0.73 J	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.55	1.6	4
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.79	2.8	4
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.97	2.8	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.2 J	1.1 J (2)	1.6 U	0.94 J	0.96 J	0.86 J (2)	1.6 U	0.44	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	87	87	1.2 U	38	65	48	1.2 U	0.37	1.2	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	23	23	1.6 U	3.7 J	6.9	4.1	1.6 U	0.48	1.6	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.51	1.6	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.49	1.6	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.41	1.6	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.

(3) Result is estimated as analyte confirmation criterion (signal to noise) was not met.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-12032024 is field blank.

Sample SANG-INF-12032024 D is a field duplicate of SANG-INF-12032024.

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

MIDBR1 = Train B Resin unit 1 middle sample port

C4BD723V1 - 12/10/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	ALLB31	ALLB33	ALLB32			
		Sampling Date	2024/12/10 07:30	2024/12/10 07:40	2024/12/10 07:35			
		Sample ID	**SANG-FB-12102024**	**SANG-INF-12102024**	**SANG-EFF-12102024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**						
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	27	1.6 U	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	89	1.6 U	0.51	1.6	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	75	1.6 U	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	40	1.6 U	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	36	1.6 U	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	8.7	1.6 U	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	9.7	1.2 U	0.39	1.2	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.70 J	1.6 U	0.48	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	0.81 J	1.6 U	0.59	1.6	2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	0.46	1.6	2
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	0.54	1.6	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	13	1.6 U	0.65	1.6	2
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.6 U	15	1.6 U	0.64	1.6	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	85	1.2 U	0.37	1.2	2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.6 U	4.3	1.6 U	0.48	1.6	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	230 (1)	1.6 U	4.6	16	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	0.56	1.6	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	0.69	1.6	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	0.55	1.6	4
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	0.79	2.8	4
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	0.97	2.8	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.8 J	1.6 U	0.44	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	82	0.55 J	0.37	1.2	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	20	1.6 U	0.48	1.6	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	0.51	1.6	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	0.49	1.6	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	0.59	1.6	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	0.41	1.6	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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-12102024 is field blank.

Sample SANG-INF-12102024 D is a field duplicate of SANG-INF-12102024.

C4BL614V1 - 12/17/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		AMCF55	AMCF60	AMCF61	AMCF57	AMCF59	AMCF58	AMCF56			
	Sampling Date		2024/12/17 08:00	2024/12/17 08:40	2024/12/17 08:40	2024/12/17 08:17	2024/12/17 08:32	2024/12/17 08:25	2024/12/17 08:10			
	Sample ID		**SANG-FB-12172024**	**SANG-INF-12172024**	**SANG-INF-12172024D**	**SANG-PEAR1-12172024**	**SANG-PEAG1-12172024**	**SANG-PEAG2-12172024**	**SANG-EFF-12172024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	21	22	1.6 U	8.2	0.88 J	1.6 U	0.78	1.8	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	61	63	1.6 U	20	1.5 J	1.6 U	0.57	1.8	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	50	51	1.6 U	14	0.74 J	1.6 U	0.58	1.8	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	30	31	1.6 U	7.3	1.6 U	1.6 U	0.56	1.8	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	26	27	1.6 U	6.1	1.6 U	1.6 U	0.79	1.8	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	8.1	8	1.6 U	1.6 J	1.6 U	1.6 U	0.56	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	9.3	9.9	1.2 U	1.8 J	1.2 U	1.2 U	0.43	1.3	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.68 J	0.67 J	1.6 U	1.6 U	1.6 U	1.6 U	0.53	1.8	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.66	1.8	2.2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.51	1.8	2.2
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.6	1.8	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	7.8	8.5	1.6 U	1.4 J	1.6 U	1.6 U	0.72	1.8	2.2
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.6 U	9.5	9.1	1.6 U	1.1 J	1.6 U	1.6 U	0.71	1.8	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	71	73	1.2 U	11	1.2 U	1.2 U	0.41	1.3	2.2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.6 U	2.5	2.8	1.6 U	1.6 U	1.6 U	1.6 U	0.53	1.8	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	190 (1)	190 (1)	1.6 U	33	1.2 J	1.6 U	4.6	16	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.62	1.8	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.77	1.8	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.61	1.8	4.4
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	3.1 U	3.1 U	2.8 U	2.8 U	2.8 U	2.8 U	0.88	3.1	4.4
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	3.1 U	3.1 U	2.8 U	2.8 U	2.8 U	2.8 U	1.1	3.1	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.49	1.8	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	51	52	1.2 U	9	1.2 U	1.2 U	0.41	1.3	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	15	17	1.6 U	2.9 J	1.6 U	1.6 U	0.53	1.8	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.57	1.8	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.54	1.8	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.66	1.8	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.8	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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-12172024 is field blank.

Sample SANG-INF-12172024 D is a field duplicate of SANG-INF-12172024.

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

C4BR817V1 - 12/23/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		AMPW10	AMPW15	AMPW16	AMPW12	AMPW14	AMPW13	AMPW11			
	Sampling Date		2024/12/23 08:25	2024/12/23 08:50	2024/12/23 08:50	2024/12/23 08:35	2024/12/23 08:45	2024/12/23 08:40	2024/12/23 08:30			
	Sample ID		**SANG-FB-12232024**	**SANG-INF-12232024**	**SANG-INF-12232024D**	**SANG-PEBR1-12232024**	**SANG-PEBG1-12232024**	**SANG-PEBG2-12232024**	**SANG-EFF-12232024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	25	26	1.8 U	12	3.4	1.8 U	0.78	1.8	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	73	76	1.8 U	27	5.6	1.8 U	0.57	1.8	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	62	63	1.8 U	21	3.5	1.8 U	0.58	1.8	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	35	36	1.8 U	11	1.5 J	1.8 U	0.56	1.8	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	31	32	1.8 U	9.2	1.1 J	1.8 U	0.79	1.8	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	7.9	8.5	1.8 U	2.2	1.8 U	1.8 U	0.56	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	7.8	7.9	1.3 U	1.9 J	1.3 U	1.3 U	0.43	1.3	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.53	1.8	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.66	1.8	2.2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.51	1.8	2.2
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.6	1.8	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	11	12	1.8 U	2.6	1.8 U	1.8 U	0.72	1.8	2.2
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.6 U	12	12	1.8 U	2.4	1.8 U	1.8 U	0.71	1.8	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	80	82	1.3 U	19	1.7 J	1.3 U	0.41	1.3	2.2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.6 U	3	3.3	1.8 U	1.8 U	1.8 U	1.8 U	0.53	1.8	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	250 (1)	220 (1)	1.8 U	56	5.5	1.8 U	4.6	16	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.62	1.8	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.77	1.8	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.61	1.8	4.4
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	0.88	3.1	4.4
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	3.1 U	1.1	3.1	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	0.65 J	0.62 J (2)	1.8 U	1.8 U	1.8 U	1.8 U	0.49	1.8	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	69	71	1.3 U	16	1.6 J	1.3 U	0.41	1.3	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	17	19	1.8 U	3.6 J	1.8 U	1.8 U	0.53	1.8	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.57	1.8	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.54	1.8	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.66	1.8	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.46	1.8	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.

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

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-12232024 is field blank.

Sample SANG-INF-12232024 D is a field duplicate of SANG-INF-12232024.

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 train 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

C4BU301V1 - 12/30/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	AMWO12	AMWO17	AMWO18	AMWO16	AMWO15	AMWO14	AMWO13			
		Sampling Date	2024/12/30 08:10	2024/12/30 08:35	2024/12/30 08:35	2024/12/30 08:30	2024/12/30 08:25	2024/12/30 08:20	2024/12/30 08:15			
		Sample ID	**SANG-FB-12302024**	**SANG-INF-12302024**	**SANG-INF-12302024D**	**SANG-PECG1-12302024**	**SANG-PECG2-12302024**	**SANG-PECR1-12302024**	**SANG-EFF-12302024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	16	16	12	5.7	1.6 U	1.6 U	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	47	46	30	10	1.6 U	1.6 U	0.51	1.6	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	39	39	22	6.1	1.6 U	1.6 U	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	22	23	12	3.1	1.6 U	1.6 U	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	21	21	10	2.2	1.6 U	1.6 U	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	6	6	2.9	0.55 J	1.6 U	1.6 U	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	6.2	6.2	3	0.58 J	1.2 U	1.2 U	0.39	1.2	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.48	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.6	2
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.54	1.6	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	6.6	6.8	3.1	1.6 U	1.6 U	1.6 U	0.65	1.6	2
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.6 U	7.6	7.3	3.2	1.6 U	1.6 U	1.6 U	0.64	1.6	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	58	57	23	3.6	1.2 U	1.2 U	0.37	1.2	2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.6 U	1.8 J	2	0.71 J	1.6 U	1.6 U	1.6 U	0.48	1.6	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	150 (1)	140 (1)	62	10	1.6 U	1.6 U	4.6	16	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.56	1.6	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.69	1.6	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.55	1.6	4
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.79	2.8	4
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.97	2.8	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.44	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	43	44	19	2.9 J	1.2 U	1.2 U	0.37	1.2	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	12	12	5.3	0.50 J	1.6 U	1.6 U	0.48	1.6	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.51	1.6	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.49	1.6	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.41	1.6	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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-12302024 is field blank.

Sample SANG-INF-12302024D is a field duplicate of SANG-INF-12302024.

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

C4U8506V1 - 10/01/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	AEPD06	AEPD11	AEPD12	AEPD10	AEPD09	AEPD08	AEPD07			
		Sampling Date	2024/10/01 07:25	2024/10/01 08:00	2024/10/01 08:00	2024/10/01 07:50	2024/10/01 07:45	2024/10/01 07:40	2024/10/01 07:30			
		Sample ID	**SANG-FB-1001/2024**	**SANG-INF-10012024**	**SANG-INF-10012024D**	**SANG-PECG1-10012024**	**SANG-PECG2-10012024**	**SANG-PECR1-10012024**	**SANG-EFF-10012024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	31	30	30	26	5.6	3.8	0.66	1.6	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.78 U	95	91	73	54	0.78 U	0.78 U	0.24	0.78	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.78 U	76	79	55	32	0.78 U	0.29 J	0.22	0.78	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.1 U	35	35	22	13	1.1 U	1.1 U	0.31	1.1	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.1 U	32	31	20	9.9	1.1 U	1.1 U	0.46	1.1	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.1 U	7.8	7.6	4.4	2.1 J	1.1 U	1.1 U	0.39	1.1	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.1 U	6.8	6.1	2.8	1.3 J	1.1 U	1.1 U	0.32	1.1	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.1 U	0.93 J	1.2 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	1.1 U	1.1 J	1.5 J	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	0.78 U	0.78 U	0.79 J	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	1.1 U	1.1 U	0.56 J	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	1.1 U	18	20	12	6.2	1.1 U	1.1 U	0.3	1.1	2.2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.1 U	13	11	6.4	3.4	1.1 U	1.1 U	0.38	1.1	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.1 U	96	98	60	26	1.1 U	1.1 U	0.31	1.1	2.2
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.1 U	5.7	5.3	2.8	1.1 J	1.1 U	1.1 U	0.48	1.1	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.1 U	320 (1)	300 (1)	170 (1)	63	1.1 U	1.1 U	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 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	1.6 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	1.6 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	1.6 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	1.6 U	1.6 U	0.79 J	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	1.6 U	1.6 J	2.0 J	1.0 J	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	2.0 J	75	74	38	16	0.81 J	2.3 J	0.7	1.6	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	13	13	3.6 J	0.99 J	1.6 U	1.6 U	0.59	1.6	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 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	0.44 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	1.1 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	1.1 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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-10012024 is field blank.

Sample SANG-INF-10012024 D is a field duplicate of SANG-INF-10012024.

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

C4V7298V1 - 10/08/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	AFIC46	AFIC51	AFIC52	AFIC50	AFIC49	AFIC48	AFIC47				
		Sampling Date	2024/10/08	2024/10/08	2024/10/08	2024/10/08	2024/10/08	2024/10/08	2024/10/08				
		Sample ID	**SANG-FB-10082024**	**SANG-INF-10082024**	**SANG-INF-10082024D**	**SANG-PEDG1-10082024**	**SANG-PEDG2-10082024**	**SANG-PEDR1-10082024 REPEAT**	**SANG-EFF-10082024**	**DL**	**LOD**	**LOQ**	**QC Batch**
Perfluorinated Compounds	**Method**	**UNITS**											
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	46	45	38	28	1.6 U	6.2	0.88	2	2.5	9694902
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	120	110	74	44	1.6 U	2.0 U	0.64	2	2.5	9694902
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	100	94	55	27	1.6 U	2.0 U	0.65	2	2.5	9694902
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	45	43	20	9	1.6 U	2.0 U	0.63	2	2.5	9694902
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	36	36	11	5.8	1.6 U	1.6 U	0.74	1.7	2.1	9704396
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	9	9.6	2.1	0.82 J	1.6 U	1.6 U	0.52	1.7	2.1	9704396
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	5.4	5.1	1.5 J	0.74 J	1.2 U	1.2 U	0.41	1.2	2.1	9704396
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.53 J	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	0.5	1.7	2.1	9704396
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	0.67 J	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	0.61	1.7	2.1	9704396
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	0.48	1.7	2.1	9704396
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	0.56	1.7	2.1	9704396
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	24	23	15	7.4	1.6 U	2.0 U	0.81	2	2.5	9694902
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.6 U	28	24	15	5.9	1.6 U	2.0 U	0.8	2	2.5	9694902
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	120 (1)	130 (1)	76	30	1.2 U	1.5 U	3.7	12	20	9694902
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.6 U	6.1	6.6	1.7 J	1.6 U	1.6 U	1.6 U	0.5	1.7	2.1	9704396
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	400 (1)	390 (1)	130 (1)	60	1.6 U	2.0 U	4.6	16	20	9694902
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	0.58	1.7	2.1	9704396
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	1.6 U	2.0 U	0.86	2	2.5	9694902
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	0.57	1.7	4.2	9704396
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	2.9 U	2.9 U	2.8 U	2.8 U	2.8 U	2.8 U	0.82	2.9	4.2	9704396
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	2.9 U	2.9 U	2.8 U	2.8 U	2.8 U	2.8 U	1	2.9	4.2	9704396
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.8 J	1.7 J	1.1 J	2.0 U	1.6 U	2.0 U	0.55	2	5	9694902
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	72	73	13	4.3	1.2 U	1.2 U	0.39	1.2	4.2	9704396
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	2.5 J	2.0 J	1.6 U	1.6 U	1.6 U	1.6 U	0.5	1.7	4.2	9704396
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	0.53	1.7	4.2	9704396
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	1.6 U	2.0 U	0.61	2	5	9694902
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	0.61	1.7	4.2	9704396
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	1.6 U	2.0 U	0.51	2	5	9694902

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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-10082024 is field blank.

Sample SANG-INF-10082024 D is a field duplicate of SANG-INF-10082024.

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

C4W4284V1 - 10/15/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	AFYF00	AFYF05	AFYF06	AFYF04	AFYF03	AFYF02	AFYF01				
		Sampling Date	2024/10/15 08:59	2024/10/15 09:20	2024/10/15 09:20	2024/10/15 09:15	2024/10/15 09:10	2024/10/15 09:05	2024/10/15 09:00				
		Sample ID	**SANG-FB-10152024**	**SANG-INF-10152024**	**SANG-INF-10152024D**	**SANG-PEAG1-10152024**	**SANG-PEAG2-10152024**	**SANG-PEAR1-10152024**	**SANG-EFF-10152024**	**DL**	**LOD**	**LOQ**	**QC Batch**
Perfluorinated Compounds	**Method**	**UNITS**											
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.7 U	53	52	44	28	2.8	7.8	0.73	1.7	2.1	9707572
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.7 U	170 (1)	170 (1)	100	54	1.7 U	1.7 U	5.1	16	20	9707572
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.7 U	140 (1)	140 (1)	74	32	1.7 U	1.7 U	5.2	16	20	9707572
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.7 U	56	55	29	9.8	1.7 U	1.7 U	0.52	1.7	2.1	9707572
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.7 U	51	49	21	5.7	1.7 U	1.7 U	0.74	1.7	2.1	9707572
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.7 U	12	11	4	1.0 J	1.7 U	1.7 U	0.52	1.7	2.1	9707572
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	7	6.5	1.4 J	1.2 U	1.2 U	1.2 U	0.41	1.2	2.1	9707572
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.7 U	0.61 J	0.63 J	1.7 U	1.7 U	1.7 U	1.7 U	0.5	1.7	2.1	9707572
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.61	1.7	2.1	9707572
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.6 U	1.7 U	1.7 U	0.48	1.7	2.1	9707572
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.6 U	1.7 U	1.7 U	0.56	1.7	2.1	9707572
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.7 U	34	33	20	6.4	1.7 U	1.7 U	0.68	1.7	2.1	9707572
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.7 U	36	36	18	4.9	1.7 U	1.7 U	0.67	1.7	2.1	9707572
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	210 (1)	210 (1)	95	21	1.2 U	1.2 U	3.7	12	20	9707572
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.7 U	10	9.3	4.2	1.0 J	1.7 U	1.7 U	0.5	1.7	2.1	9707572
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.7 U	550 (1)	540 (1)	190 (1)	37	1.7 U	1.7 U	4.6	16	20	9707572
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.58	1.7	2.1	9707572
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.72	1.7	2.1	9707572
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.57	1.7	4.2	9707572
MeFOSAA	EPA 537.1 M	ng/L	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	0.82	2.9	4.2	9707572
EtFOSAA	EPA 537.1 M	ng/L	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	1	2.9	4.2	9707572
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.7 U	2.4 J	2.4 J	1.4 J	1.7 U	1.7 U	1.7 U	0.46	1.7	4.2	9707572
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	140 (1)	140 (1)	47	8.5	1.2 U	1.2 U	3.7	12	40	9707572
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.7 U	9.6	8.2	0.70 J	1.7 U	1.7 U	1.7 U	0.5	1.7	4.2	9707572
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.6 U	1.7 U	1.7 U	0.53	1.7	4.2	9707572
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.51	1.7	4.2	9707572
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.61	1.7	4.2	9707572
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.43	1.7	4.2	9707572

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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-10082024 is field blank.

Sample SANG-INF-10082024 D is a field duplicate of SANG-INF-10082024.

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

C4X2899V1 - 10/22/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

Bureau Veritas ID			AGRM69	AGRM75	AGRM77	AGRM74	AGRM73	AGRM79	AGRM71	AGRM70			
Sampling Date			2024/10/22 07:55	2024/10/22 08:20	2024/10/22 08:20	2024/10/22 08:15	2024/10/22 08:10	2024/10/22 08:25	2024/10/22 08:05	2024/10/22 08:00			
Sample ID			**SANG-FB-10222024**	**SANG-INF-10222024**	**SANG-INF-10222024D**	**SANG-PEBG1-10222024**	**SANG-PEBG2-10222024**	**SANG-MIDBR1-10222024**	**SANG-PEBR1-10222024**	**SANG-EFF-10222024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**											
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.7 U	52	51	47	39	35	13	6.8	0.73	1.7	2.1
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.7 U	140 (1)	140 (1)	120 (1)	82	74	0.73 J	1.7 U	0.53	1.7	2.1
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.7 U	120 (1)	120 (1)	91	58	44	1.7 U	1.7 U	0.54	1.7	2.1
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.7 U	51	51	37	21	14	1.7 U	1.7 U	0.52	1.7	2.1
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.7 U	47	47	29	16	9.4	1.7 U	1.7 U	0.74	1.7	2.1
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.7 U	10	11	4.8	2.3	1.4 J	1.7 U	1.7 U	0.52	1.7	2.1
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	5.8	6.6	2.2	0.94 J	0.64 J	1.2 U	1.2 U	0.41	1.2	2.1
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.7 U	0.69 J	0.75 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.5	1.7	2.1
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.61	1.7	2.1
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.48	1.7	2.1
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.56	1.7	2.1
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.7 U	32	33	22	13	3.2	1.7 U	1.7 U	0.68	1.7	2.1
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.7 U	33	34	23	12	3.2	1.7 U	1.7 U	0.67	1.7	2.1
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	170 (1)	180 (1)	110 (1)	63	19	1.2 U	1.2 U	0.39	1.2	2.1
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.7 U	8.3	8.8	5.2	2.8	1.2 J	1.7 U	1.7 U	0.5	1.7	2.1
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.7 U	450 (1)	460 (1)	220 (1)	110 (1)	46	1.7 U	1.7 U	0.48	1.7	2.1
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.58	1.7	2.1
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.72	1.7	2.1
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.57	1.7	4.2
MeFOSAA	EPA 537.1 M	ng/L	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	0.82	2.9	4.2
EtFOSAA	EPA 537.1 M	ng/L	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	2.9 U	1	2.9	4.2
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.7 U	2.7 J	2.7 J	1.9 J	1.2 J	0.91 J	1.7 U	1.7 U	0.46	1.7	4.2
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	110 (1)	120 (1)	65	31	22	1.2 U	1.2 U	0.39	1.2	4.2
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.7 U	11	13	1.7 J	0.57 J	0.61 J	1.7 U	1.7 U	0.5	1.7	4.2
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.53	1.7	4.2
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.51	1.7	4.2
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.61	1.7	4.2
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.43	1.7	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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-10222024 is field blank.

Sample SANG-INF-10222024 D is a field duplicate of SANG-INF-10222024.

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 train 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

MIDBR1 = Train B Resin unit 1 middle sample port

C4Y1183V1 - 10/29/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	AHJK59	AHJK64	AHJK65	AHJK63	AHJK62	AHJK61	AHJK60			
		Sampling Date	2024/10/29 07:30	2024/10/29 08:10	2024/10/29 08:10	2024/10/29 08:00	2024/10/29 07:53	2024/10/29 07:45	2024/10/29 07:35			
		Sample ID	**SANG-FB-10292024**	**SANG-INF-10292024**	**SANG-INF-10292024D**	**SANG-PECG1-10292024**	**SANG-PECG2-10292024**	**SANG-PECR1-10292024**	**SANG-EFF-10292024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	2.0 U	68	68	62	51	17	10	0.88	2	2.5
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	2.0 U	170 (1)	170 (1)	140 (1)	110	0.66 J	2.0 U	5.1	16	20
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	2.0 U	150 (1)	160 (1)	120 (1)	76	2.0 U	2.0 U	5.2	16	20
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	2.0 U	67	67	52	24	2.0 U	2.0 U	0.63	2	2.5
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	2.0 U	60	62	39	15	2.0 U	2.0 U	0.89	2	2.5
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	2.0 U	12	13	4.4	0.99 J	2.0 U	2.0 U	0.63	2	2.5
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.5 U	7.5	8	1.7 J	1.5 U	1.5 U	1.5 U	0.49	1.5	2.5
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	2.0 U	0.80 J	0.87 J	2.0 U	2.0 U	2.0 U	2.0 U	0.6	2	2.5
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	2.0 U	1.0 J	0.96 J	2.0 U	2.0 U	2.0 U	2.0 U	0.74	2	2.5
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.58	2	2.5
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.68	2	2.5
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	2.0 U	44	45	31	15	2.0 U	2.0 U	0.81	2	2.5
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	2.0 U	49	48	32	12	2.0 U	2.0 U	0.8	2	2.5
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.5 U	230 (1)	220 (1)	130 (1)	59	1.5 U	1.5 U	3.7	12	20
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	2.0 U	12	11	6.7	1.9 J	2.0 U	2.0 U	0.6	2	2.5
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	2.0 U	560 (1)	560 (1)	220 (1)	79	2.0 U	2.0 U	4.6	16	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.7	2	2.5
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.86	2	2.5
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.69	2	5
MeFOSAA	EPA 537.1 M	ng/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	0.99	3.5	5
EtFOSAA	EPA 537.1 M	ng/L	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	1.2	3.5	5
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	2.0 U	3.3 J	3.9 J	2.7 J	1.3 J	2.0 U	2.0 U	0.55	2	5
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.5 U	140 (1)	150 (1)	84	21	1.5 U	1.5 U	3.7	12	40
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	2.0 U	17	17	1.3 J	2.0 U	2.0 U	2.0 U	0.6	2	5
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.64	2	5
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.61	2	5
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.74	2	5
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.51	2	5

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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-10292024 is field blank.

Sample SANG-INF-10292024 D is a field duplicate of SANG-INF-10292024.

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

C4Y9072V1 - 11/05/2024

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		AIAO93	AIAO98	AIAO99	AIAO95	AIAP00	AIAO97	AIAO96	AIAO94			
	Sampling Date		2024/11/05 07:35	2024/11/05 07:50	2024/11/05 07:50	2024/11/05 07:35	2024/11/05 07:55	2024/11/05 07:45	2024/11/05 07:40	2024/11/05 07:30			
	Sample ID		**SANG-FB-11052024**	**SANG-INF-11052024**	**SANG-INF-11052024D**	**SANG-PEDR1-11052024**	**SANG-MIDBR1-11052024**	**SANG-PEDG1-11052024**	**SANG-PEDG2-11052024**	**SANG-EFF-11052024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**											
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	75	71	3.4	51	67	54	13	0.88	2	2.5
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	190 (1)	190 (1)	2.0 U	99	150 (1)	120	1.1 J	0.64	2	2.5
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	170 (1)	170 (1)	2.0 U	53	120 (1)	89	2.0 U	0.65	2	2.5
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	70	66	2.0 U	14	52	31	2.0 U	0.63	2	2.5
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	67	63	2.0 U	8.4	40	19	2.0 U	0.89	2	2.5
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	13	13	2.0 U	1.4 J	4.4	1.8 J	2.0 U	0.63	2	2.5
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	7.5	7.3	1.5 U	1.5 U	1.6 J	0.83 J	1.5 U	0.49	1.5	2.5
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	1.1 J	1.2 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.6	2	2.5
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.1 J	1.3 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.74	2	2.5
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.6	2
Perfluorotetradecanoic acid (PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.54	1.6	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	46	45	2.0 U	2.1 J	32	18	2.0 U	0.81	2	2.5
Perfluoropentanesulfonic acid (PFPeS)	EPA 537.1 M	ng/L	1.6 U	56	55	2.0 U	2.2 J	38	18	2.0 U	0.8	2	2.5
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	240 (1)	240 (1)	1.5 U	9.8	150 (1)	86	1.5 U	0.46	1.5	2.5
Perfluoroheptanesulfonic acid (PFHpS)	EPA 537.1 M	ng/L	1.6 U	14	13	2.0 U	2.0 U	6.9	3	2.0 U	0.6	2	2.5
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	640 (1)	600 (1)	2.0 U	26	260 (1)	110 (1)	2.0 U	0.58	2	2.5
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.7	2	2.5
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.86	2	2.5
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	2.0 U	0.88 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.69	2	5
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	0.99	3.5	5
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	3.5 U	1.2	3.5	5
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	4.2 J	4.3 J	2.0 U	1.8 J	3.2 J	2.0 J	2.0 U	0.55	2	5
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	160 (1)	160 (1)	1.5 U	19	75	25	1.5 U	0.46	1.5	5
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	18	18	2.0 U	0.99 J	1.5 J	0.91 J	2.0 U	0.6	2	5
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.64	2	5
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.61	2	5
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.74	2	5
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.51	2	5

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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-11052024 is field blank.

Sample SANG-INF-11052024 D is a field duplicate of SANG-INF-11052024.

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

MIDBR1 = Train B Resin unit 1 middle sample port

C4Z6687V1 - 11/12/2024

RESULTS OF ANALYSES OF WATER **VALIDTED DATA**

	Bureau Veritas ID		AIRC03	AIRC08	AIRC09	AIRC05	AIRC10	AIRC07	AIRC06	AIRC04			
	Sampling Date		2024/11/12 08:00	2024/11/12 08:30	2024/11/12 08:30	2024/11/12 08:10	2024/11/12 08:25	2024/11/12 08:20	2024/11/12 08:15	2024/11/12 08:05			
	Sample ID		**SANG-FB-11122024**	**SANG-INF-11122024**	**SANG-INF-11122024D**	**SANG-PEAR1-11122024**	**SANG-MIDBR1-11122024**	**SANG-PEAG1-11122024**	**SANG-PEAG2-11122024**	**SANG-EFF-11122024**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**											
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	43	44	4.5	42	48	40	10	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	140 (1)	140 (1)	1.6 U	79	110 (1)	76	1.6 U	0.51	1.6	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	120 (1)	120 (1)	1.6 U	43	93	54	1.6 U	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	51	52	1.6 U	11	35	17	1.6 U	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	48	50	1.6 U	6.3	26	9.8	1.6 U	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	9.4	9.6	1.6 U	1.2 J	5.5	2.2	1.6 U	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	6.3	6.5	1.2 U	0.67 J	4	1.1 J	1.2 U	0.39	1.2	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.48	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.46	1.6	2
Perfluorotetradecanoic acid(PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.54	1.6	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	28	29	1.6 U	1.3 J	19	9.9	1.6 U	0.65	1.6	2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.6 U	41	41	1.6 U	1.5 J	23	10	1.6 U	0.64	1.6	2
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.2 U	160 (1)	160 (1)	1.2 U	7.6	97	43	1.2 U	0.37	1.2	2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	7.8	8	1.6 U	1.6 U	3.9	1.4 J	1.6 U	0.48	1.6	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	480 (1)	410 (1)	1.6 U	27	260 (1)	100 (1)	1.6 U	0.46	1.6	2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.56	1.6	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.69	1.6	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.55	1.6	4
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.79	2.8	4
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U	0.97	2.8	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	2.4 J	2.2 J	1.6 U	0.87 J	1.7 J	0.86 J	1.6 U	0.44	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	110 (1)	120 (1)	1.2 U	16	53	16	1.2 U	0.37	1.2	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	16	17	1.6 U	1.6 U	3.9 J	1.6 U	1.6 U	0.48	1.6	4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.51	1.6	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.49	1.6	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	0.41	1.6	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.

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

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

SANGB = Stewart Air National Guard Base

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

Sample SANG-FB-11122024 is field blank.

Sample SANG-INF-11122024 D is a field duplicate of SANG-INF-11122024.

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

MIDBR1 = Train B Resin unit 1 middle sample port

TABLE 2 - OTHER WATER QUALITY MONITORING RESULTS

Glycols				
Sample Parameter/Sample ID	**Sampling Date**	**Influent (SANG-INF-12032024 mg/L)**	**PBG2 Effluent (SANG-PEDG2-12032024 mg/L)**	**Effluent (SANG-EFF-12032024 mg/L)**
Diethylene glycol	12/3/2024	<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	12/3/2024	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	Other	Resin Vessel Skimming
10/2/2024	25 Micron Regular	10 Micron Pleated	Primary Carbon vessels A1, B1, C1, & D1				
10/3/2024		10 Micron Regular & 10 Micron Pleated		Coarse Sand Filters 2A/2B			
10/4/2024	25 Micron Pleated	25 Micron Regular					
10/7/2024	25 Micron Pleated	10 Micron Pleated					
10/8/2024	25 Micron Regular	10 Micron Regular	Primary Carbon vessels A1, B1, C1, & D1				
10/9/2024		10 Micron Pleated	Sec. Carbon vessels A2, B2, C2, & D2				
10/10/2024				Fine3 Sand Filters 3A/3B			
10/11/2024	25 Micron Pleated	25 Micron Regular					
10/14/2024		10 Micron Pleated					
10/16/2024	25 Micron Regular						
10/17/2024				Fine Sand Filters 4A/4B			
10/18/2024	25 Micron Pleated	10 Micron Pleated					
10/22/2024			Primary Carbon vessels A1, B1, C1, & D1				
10/24/2024			Sec. Carbon vessels A2, B2, C2, & D2				

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	Other	Resin Vessel Skimming
10/25/2024	25 Micron Pleated	10 Micron Pleated					
10/30/2024			Primary Carbon vessels A1, B1, C1, & D1				
11/1/2024		10 Micron Regular					
11/5/2024		10 Micron Regular					
11/7/2024				Fine Sand Filters 5A/5B			
11/8/2024	25 Micron Pleated	10 Micron Pleated					
11/13/2024			Primary Carbon vessels A1, B1, C1, & D1				
11/14/2024						Winterize System	
11/15/2024		10 Micron Pleated					
11/20/2024						Remove Ultrasonic System from Pond. Add Oil and Grease to Pump.	
11/21/2024	25 Micron Regular	10 Micron Regular					
11/22/2024	25 Micron Pleated	10 Micron Pleated					
11/26/2024			Primary Carbon vessels A1, B1, C1, & D1				

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	Other	Resin Vessel Skimming
11/27/2024		10 Micron Pleated					
12/4/2024					Remove GAC/IX media from Treatment Train B. Install ≈2,500 lbs of virgin F-400 carbon in (B1 & B2), fill with water and degas overnight.		
12/5/2024			Primary Carbon vessels B1& B2 initial		Remove GAC/IX media from Treatment Train A. Install ≈2,500 lbs of virgin F-400 carbon in (A1 & A2), fill with water and degas overnight. Load anthracite underbedding followed by ≈63 cubic feet of Purolite PFA694 IX resin into Train A and B Resin vessels.		
12/6/2024	25 Micron Pleated	10 Micron Pleated	Pri/Sec Carbon vessels A1 & A2 initial		Remove GAC/IX media from Treatment Train D. Install ≈2,500 lbs of virgin F-400 carbon in (D1 & D2), fill with water and degas overnight. Load anthracite underbedding followed by ≈63 cubic feet of Purolite PFA694 IX resin intoTrain D Resin vessel.		

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	Other	Resin Vessel Skimming
12/9/2024			Pri/Sec Carbon vessels D1 & D2 initial		Remove GAC/IX media from Treatment Train C. Install ≈2,500 lbs of virgin F-400 carbon in (C1 & C2), fill with water and degas overnight. Load anthracite underbedding followed by ≈63 cubic feet of Purolite PFA694 IX resin intoTrain C resin vessel	Remove Treatment Train C piping and vessels. Install new Treatment Vessels in Train C. Install new sample port in Train C Resin Vessel at lowest intermediate point. Reconnect all piping to Treatment Train C vessels.	
12/10/2024			Pri/Sec Carbon vessels C1 & C2 initial				
12/12/2024				Coarse Sand Filters 1A/1B			
12/13/2024		10 Micron Pleated					
12/18/2024				Coarse Sand Filters 2A/2B			
12/19/2024	25 Micron Pleated						
12/20/2024		10 Micron Regular					
12/27/2024		10 Micron Pleated					
12/30/2024			Primary Carbon vessels A1, B1, C1, & D1				
12/31/2024	25 Micron Pleated						

FIGURES

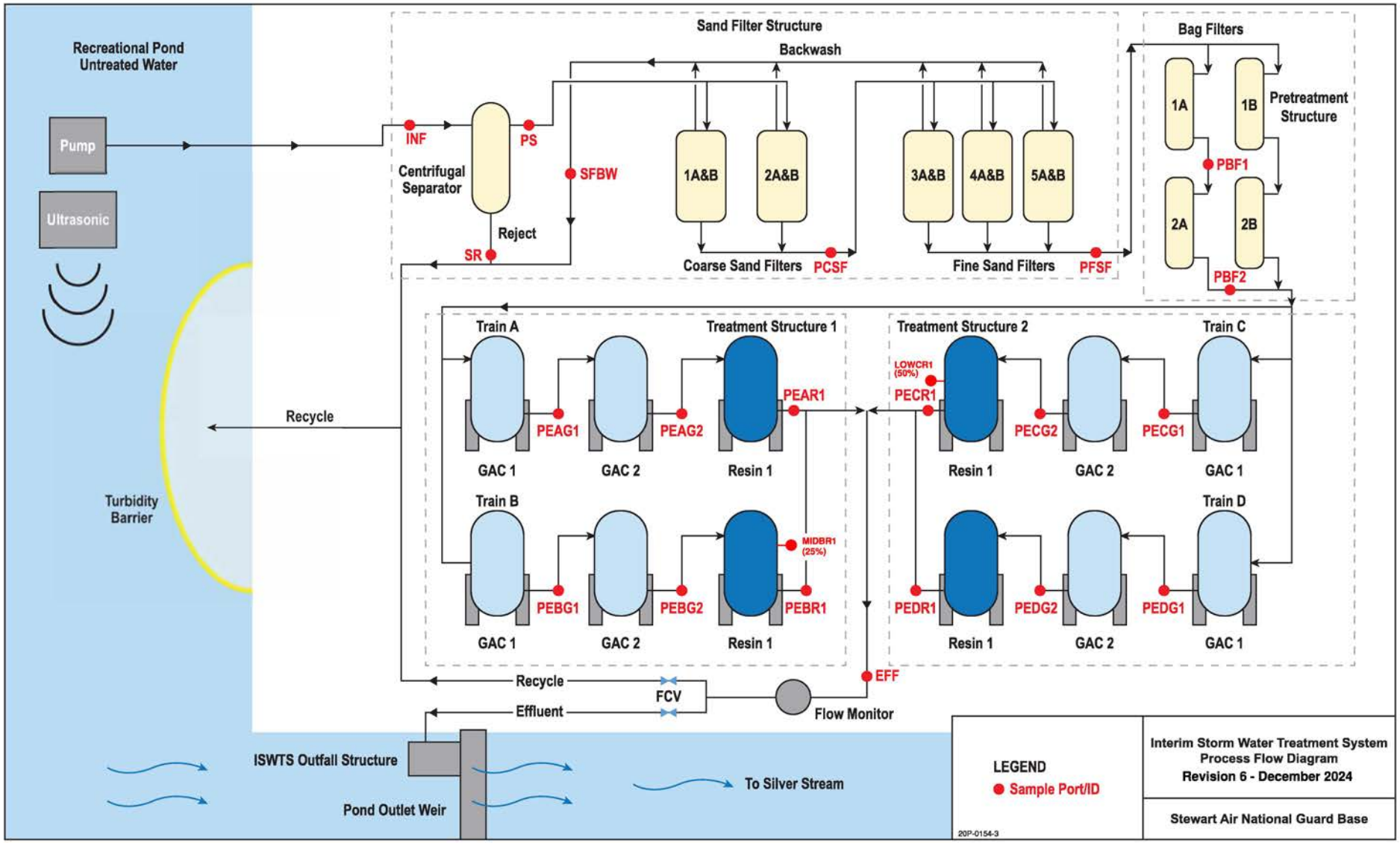

Recreational Pond
Untreated Water
Pump
Ultrasonic
Turbidity
Barrier
Recycle
Sand Filter Structure
Backwash
INF
PS
Centrifugal
Separator
SFBW
Reject
SR
1A&B
2A&B
3A&B
4A&B
5A&B
Coarse Sand Filters
PCSF
Fine Sand Filters
PFSF
Bag Filters
1A
1B
Pretreatment
Structure
PBF1
2A
2B
PBF2
Train A
Treatment Structure 1
PEAR1
PEAG1
PEAG2
GAC 1
GAC 2
Resin 1
Train B
MIDBR1
(25%)
PEBG1
PEBG2
PEBR1
Treatment Structure 2
LOWCR1
(50%)
PECR1
PECG2
PECG1
Train C
Train D
PEDR1
PEDG2
PEDG1
EFF
Recycle
Effluent
FCV
Flow Monitor
ISWTS Outfall Structure
Pond Outlet Weir
To Silver Stream
LEGEND
Sample Port/ID
20P-0154-3
Interim Storm Water Treatment System
Process Flow Diagram
Revision 6 - December 2024
Stewart Air National Guard Base

FIGURE 2 - RECREATION POND LEVEL CHART

October to December 2024

ISWTS SANGB - RECREATION POND LEVEL

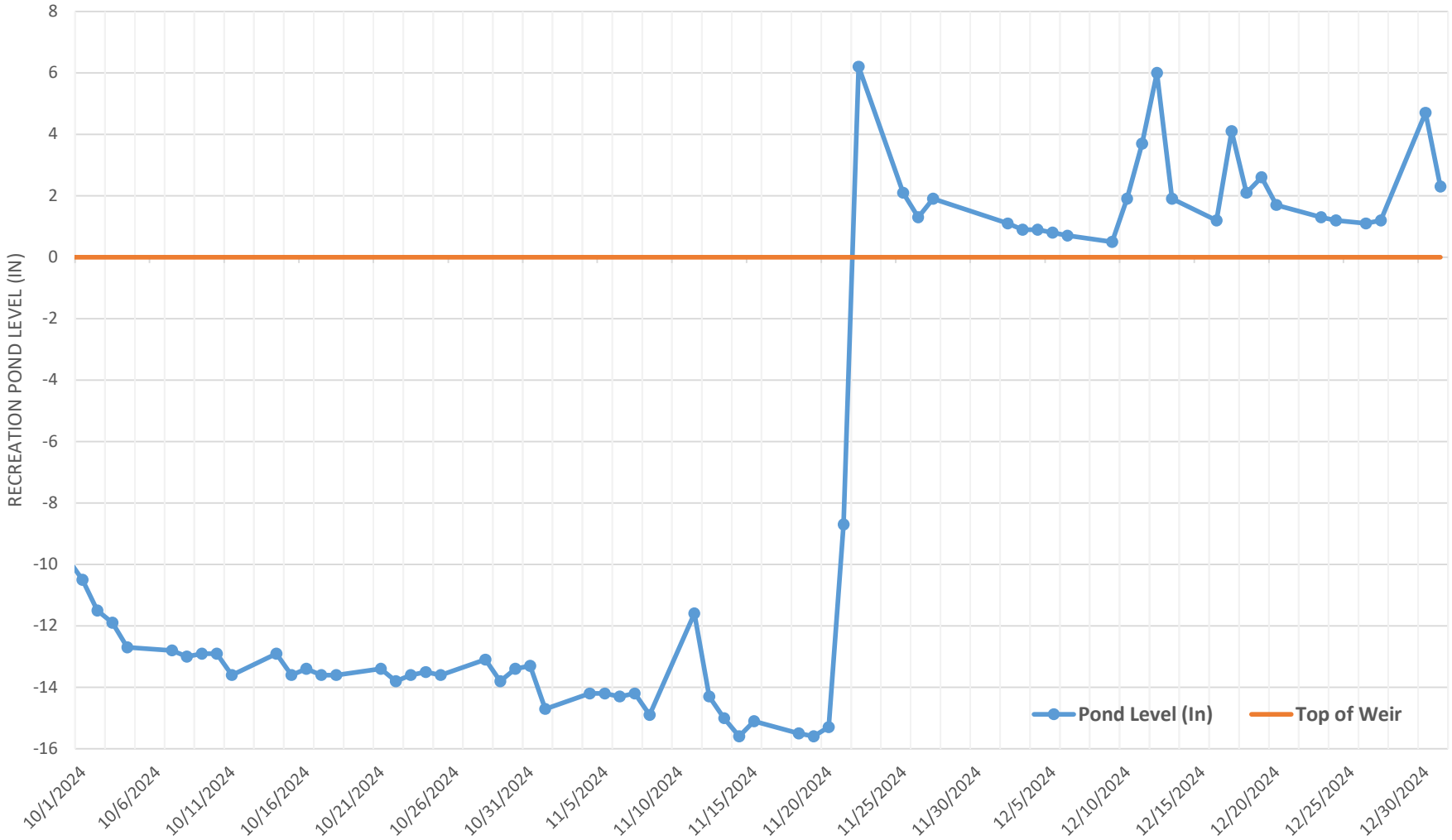
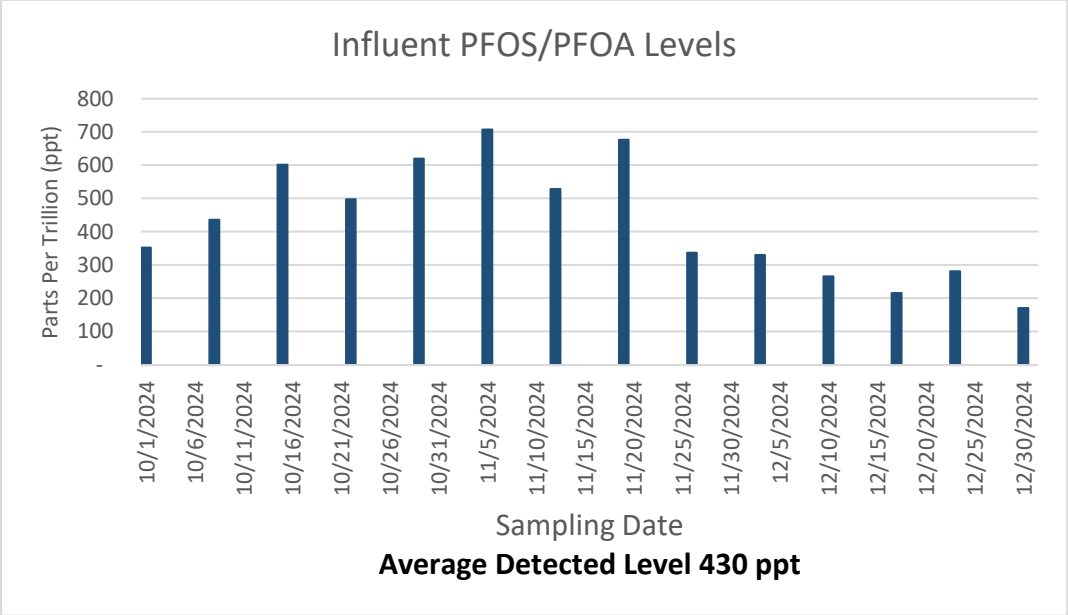
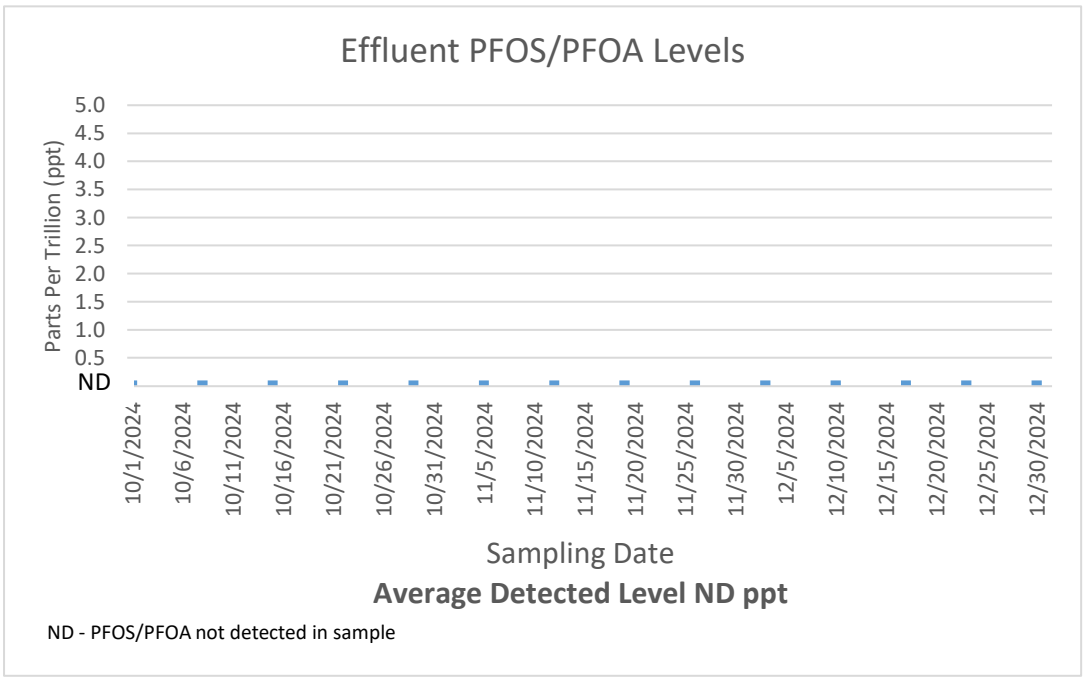


FIGURE 3 - INFLUENT AND EFFLUENT PFOS AND PFOA CHARTS



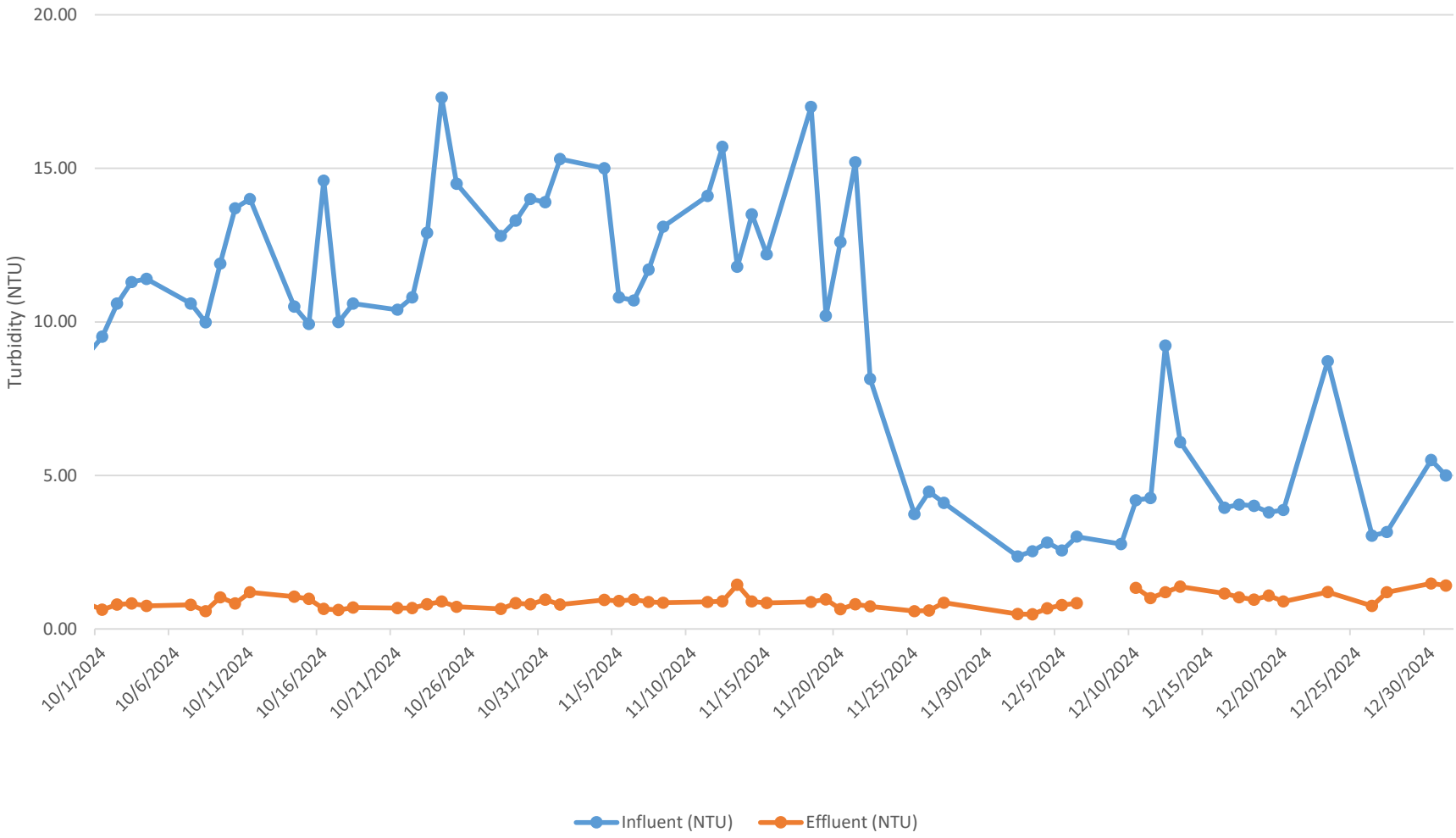


ND - PFOS/PFOA not detected in sample

FIGURE - 4 - INFLUENT AND EFFLUENT TURBIDITY CHART

October to December 2024

Influent and Effluent Turbidity



ATTACHMENT 1

Waste Disposal

ONION EQUIPMENT COMPANY

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

February 18, 2025

Re: Stewart ANG December 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 December 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: February 18, 2025

Service Order # 60031112

CCC CAN Number: 6973N / 19-03Q-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	19-03Q-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: LARKIN Express Logistics	US EPA ID Number
Transporter 2 Company Name	US EPA ID Number
Designated Facility Name and Site Address WAYNE DISPOSAL, INC. SITE #2 LANDFILL 49350 N I-94 SERVICE DRIVE- BELLEVILLE, MI 48111 Facility's Phone: 412-771-4050, X4116	US EPA ID Number 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	14	1 CYD BAG	14,000	LB	Landfill
2						
3						
4						

Special Handling Instructions and Additional Information	24 Hour Emergency Response Phone
(8) Bags Resin, (6) Bags Filter Bags Delivery Appointment Friday 12/30 at 8AM. Conf.# 1324945	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=DEC Process, ou, email=epatterson@decprocess.com, c=US Date: 2022.11.21 19:07:44 -05'00'	December	27	2024

TRANSPORTER SECTION

Transporter's Acknowledgement of Receipt of Materials

Transporter 1 Printed / Typed Name	Signature	Month	Day	Year
		December	27	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) Facility's Phone:	US EPA ID Number

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

CERTIFICATE OF DISPOSAL

REPUBLIC SERVICES

This certificate is to verify the wastes specified on Manifest # 19-030-2

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

OR

Authorized Signature: _____