US Army Corps of Engineers
Baltimore District

QUARTERLY OM&M REPORT NO. 19

January to March 2025

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

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
ISWTS	Interim Storm Water Treatment System
IX	ion exchange resin
mg/L	milligrams per liter
MIC	microbiologically influenced corrosion
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 January 1 and March 31, 2025. 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 partial PFOS/PFOA treatment media change was performed between February 18 and February 27, 2025, due to premature fouling of the GAC media. Bacteria contamination and a storm event on 31 January and 1 February were identified as the potential sources of fouling GAC media and restricting the ISWTS hydraulic capacity that could not be mitigated through maintenance and backwashing. The media exchange activities were focused to replace primary and secondary GAC treatment media and included the use of reactivated carbon in all primary treatment positions and new coconut shell GAC in all secondary positions instead of Calgon's Filtrasorb 400, which is a virgin coal based carbon, because of availability limitations. Bristol Environmental Solutions LLC

(BES) elected not to exchange the IX media because it was still providing excellent PFOS/PFOA removal through February 2025.

ISWTS performance samples collected on 11 March 2025, approximately 2-weeks after the partial GAC media change, identified PFOS/PFOA breakthrough in the combined ISWTS effluent at 4.7 parts per trillion (ppt). In response to the PFOS/PFOA breakthrough, BES scheduled a complete media change for early April 2025, that would employ the normal Calgon Filtrasorb 400 in the primary and secondary GAC and Purolite PFA-694 IX resin.

During the performance period, a total of 30,009,400 gallons of stormwater were treated and discharged over the outfall weir by the ISWTS. There were 90 days between January 1 and March 31, 2025. The Recreation Pond was drawn down below the outfall weir for 26 of the 90 days or 29% of the quarter, which is typical for Quarter 1 periods. Decreased drawdown below the weir during this performance period was influenced by pressure restrictions caused by fouled treatment media and seasonal precipitation in March 2025.

PFOS and PFOA samples were collected 12 times on the influent and effluent during the performance period. The combined PFOS and PFOA influent average concentration during the performance period was 266 ppt. PFOS and PFOA were detected in the ISWTS effluent on four (4) occasions during the OM&M period between January 1 and March 31, 2025. The highest PFOS and PFOA combined effluent detection was 6.8 ppt on March 25, 2025.

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 19th 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, 2025, 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 January 1 and March 31, 2025, or months 55, 56, and 57 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 two (2) intermediate intra-process sample ports to monitor IX media performance from Train B at approximately one quarter or (25%) through the IX media and Train C at approximately one half or (50%) through the IX media during the quarter. Performance sampling was conducted for a total of 12 days during the quarterly period. Final PFAS results are provided in **Table 1**.

PFOS and PFOA removal is performed by granular activated carbon (GAC) and ion exchange resin (IX) media that absorb these compounds and other PFAS. One partial PFOS and PFOA media change on the primary and secondary GAC vessels was performed between February 18 and February 27, 2025. The duration to perform only the carbon media exchange was impacted, due to cold weather (freezing) conditions that prevented spent media removal. The GAC only media change was conducted to resolve restriction in the hydraulic capacity and carbon fouling believed to be associated with a storm event that occurred on 31 January and 1 February as well as bacterial contamination and the formation of biofilm within the GAC media. The approach to only replace the GAC media was completed because fouling of the GAC media restricted the hydraulic capacity and the IX resin performance was performing well, with non-detection of PFOS/PFOA on five consecutive sampling events prior to the February carbon exchange.

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 installed during the December 2024 exchange was Calgon Filtrasorb 400 and the IX resin is Purolite PFA694. The carbon media installed in February 2025, was granular reactivated carbon in the four primary vessels followed by new coconut shell carbon in the four secondary vessels. The supplier for both the reactivated and coconut shell carbon was Carbon Activated Corporation in New York. The choice of media and the media supplier was driven by the unforeseen premature GAC fouling discovered in February 2025 and GAC media availability.

BES followed up on the bacteria contamination because it potentially contributed to the premature fouling of GAC. Visual evidence of bacterial contamination (bio-slime) was identified in sand filtration vessels, GAC vessels and IX resin media. To better understand the bacteria contamination, the BES Team proposed quantitative and qualitative analysis of microbial groups and bacteria gene targeting to better identify sulfate reducing bacteria, methanogenic bacteria and redox related and nutrient cycling bacteria to help the project team determine pond bacteria instrumental in the formation of biofilm within the ISWTS and how to possibly treat this type of environment to prolong media fouling. The additional sampling was performed the first week of April 2025. The analysis and evaluation are being performed in the second quarter of 2025.

During the quarter, peracetic acid was not introduced to combat biofoulings. Since bacteria contamination was suspected during the quarter, the low dose peracetic solution will be reintroduced starting in April 2025. During the quarter, the ultrasonic device (Pulsar 3000) was not 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 30 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 restricted hydraulic capacity created by extreme GAC media fouling, the gallons treated in February was lower than normal until the partial media change was performed

Month	Volume Treated (Gallons)	Run Time[1] (Percent)	Average Treatment Flow[2] (GPM)
January 2025	13,609,800	100%	306
February 2025	4,905,660	77%	158
March 2025	11,493,940	99%	261
Total	30,009,400		

[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 90 days between January 1 and March 31, 2025. The Recreation Pond was drawn down below the outfall weir for 26 of the 90 days or 29% of the quarter, which is average for the period. Early period of drawdown below the weir in January was

influenced by low precipitation and cold temperatures causing below average 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 12 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 concentration detected during the performance period were 266 parts per trillion (ppt) and 1.5 ppt respectively. As shown on Figure 3, PFOS/PFOA was detected in the last three weekly samples in March 2025, with the highest PFOS/PFOA concentration detected in the effluent at 6.8 ppt. In response to the detected PFOS/PFOA in the effluent, a complete media change was scheduled for early April 2025.

Four sampling events recorded PFOS/PFOA detections ranging from 1.2 ppt to 6.8 ppt from Effluent PFOS/PFOA testing. The maximum combined PFOS and PFOA influent concentration was 392 ppt on January 21, 2025. 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 two intermediate sample ports on Train B and Train C IX vessels. 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 good PFOS/PFOA removal from the IX resin in the polish position. During the performance monitoring period BES collected 22 additional performance samples from intermediate sample ports installed at approximately one quarter or (25%) through the Train B IX vessel and approximately one half or (50%) through the Train C IX vessel. The new sample ports were installed for monitoring the IX media performance. The highest combined PFOS/PFOA concentrations in the Primary GAC effluent, Secondary GAC effluent, 25% IX, 50% IX and IX effluent were 190, 146, 188, 147, and 6.6 ppt respectively during the performance monitoring period. During the April 2025 media change, it was observed that both intermediate IX sample ports installed on Trains B and C were broken. It is likely that these sample ports were compromised during the previous December 2024 IX media change. This condition may contribute to the higher than anticipated 25% and 50% IX sample results. It should be noted that no additional sampling of the 25% and 50% IX sampling will be carried out until these ports are repaired or replaced during the next planned media exchange.

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 February 13, 2025. These results are shown in **Table 2**. Elevated propylene glycol was reported in the Influent sample at 14.00 milligrams per liter (mg/L), the Train B Post GAC 2 that discharges into the IX vessels at 11.00 mg/L and 13.00 mg/L in the Effluent discharge

sample. The presence of propylene glycol in the Recreation Pond during the month of February may have influenced treatment media performance and promoted bacteria growth. Elevated TOC is known to impact treatment media life. The ion exchange resin manufacturer recommends that TOC not be more than 2 mg/L. The influent TOC on February 13, 2025 was 12.00 mg/L, and the GAC-2 effluent (influent to the resin) was 9.30 mg/L indicating that the influent TOC level to the resin were extremely higher than normal and well above the recommended maximum by the resin manufacturer. The Effluent TOC concentration was 8.40 mg/L. TOC levels measured during February 2025 may have caused adverse effects on performance of the IX media in March 2025.

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 4.2 nephelometric turbidity units (NTUs) and 0.97 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 bacteria control. However, its use will be restored in April 2025, as a result of observed bacteria growth over the winter operations period. Ultrasonic treatment is not used to inhibit algae growth during winter operations. Ultrasonic treatment was not operated during the performance period. 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 579 and 578 times respectively and three cleaning events were completed. The primary and secondary bag filters were changed 16 and 19 times, respectively, during the performance period. To help reduce pressure restrictions and maintain acceptable PFAS treatment media pressure, the primary, and secondary GAC vessels were backwashed 14 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, and spent granular activated carbon were generated during this reporting period. On February 28, 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 collected were demobilized from the site on February 27, 2025, by Onion Equipment Company for staging and future 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

Concerns of biological contamination to the treatment media identified during the February 2025 media exchange prompted BES and USACE to collaborate on bacteria sampling to evaluate microbial activity and biofilm formation within the ISWTS that may

contribute to biofouling and impact system performance. The Team selected Microbial Insights, Inc., of Knoxville, TN, to provide Quant Array-MIC analysis that targets microbiologically influenced corrosion (MIC) and Next Generation Sequencing that offers a broader view of microbial communities by sequencing genetic material allowing identification of both dominant and low abundance organisms. In addition to Microbial Insights, BES will utilize Eurofinns Laboratories to re-examine organics and miscellaneous compounds with additional sampling focused on TOC, TSS, dissolved and Total metals, and anions compounds. The bacteria sampling event has been scheduled for the first week of April 2025, and the results of this additional testing will be evaluated during the second quarter of 2025.

BES will continue operating the ISWTS with all four treatment trains configured as primary GAC, secondary GAC, and IX resin polish. BES plans to conduct a complete media exchange event in early April 2025, including new coarse and fine sand filtration media, new Calgon GAC and new Purolite IX resin.

BES will continue to monitor visual signs of bacterial contamination and media fouling. The low dose peracetic injection will be reinitiated in April 2025, to influent pond water and startup of ultrasonic algae control equipment will be included in next quarter's O&M activities.

Bristol will continue to evaluate modifications that could be considered to improve the overall system performance. Recommendation to enhance system disinfection with periodic media soak and recirculation through the system will be included.

TABLES

C501775V1 - 01/07/2025

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	ANAO47	ANAO52	ANAO53	ANAO51	ANAO50	ANAO49	ANAO48			
		Sampling Date	2025/01/07 08:00	2025/01/07 08:25	2025/01/07 08:25	2025/01/07 08:20	2025/01/07 08:15	2025/01/07 08:10	2025/01/07 08:05			
		Sample ID	**SANG-FB-01072025**	**SANG-INF-01072025**	**SANG-INF-01072025D**	**SANG-PEDG1-01072025**	**SANG-PEDG2-01072025**	**SANG-PEDR1-01072025**	**SANG-EFF-01072025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	23	23	15	6.1	1.6 U	1.6 U	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	65	65	40	12	1.6 U	1.6 U	0.51	1.6	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	54	56	31	8.6	1.6 U	1.6 U	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	32	32	18	4.4	1.6 U	1.6 U	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	28	28	15	3.4	1.6 U	1.6 U	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	6.9	7.1	3.8	0.86 J	1.6 U	1.6 U	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	4.9	5	2.6	0.54 J	1.2 U	1.2 U	0.39	1.2	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.64 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	1.4 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	1.7 J	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	1.4 J	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	12	5.2	0.65 J	1.6 U	1.6 U	0.65	1.6	2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.6 U	13	12	4.9	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	87	87	39	6.6	1.2 U	1.2 U	0.37	1.2	2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	3.6	3.4	1.6 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	320 (1)	300 (1)	130 (1)	23	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	1.1 J	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	1.0 J	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	0.53 J	0.80 J	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	67	66	31	6.7	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	14	15	5.6	0.98 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.

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-01072025 is a field blank.

Sample SANG-INF-01072025 D is a field duplicate of SANG-INF-01072025 .

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 portDB 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

C504308V1 - 01/14/2025

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		ANFB25	ANFB30	ANFB31	ANFB29	ANFB28	ANFB32	ANFB33	ANFB27	ANFB26			
	Sampling Date		2025/01/14 07:55	2025/01/14 08:20	2025/01/14 08:20	2025/01/14 08:15	2025/01/14 08:10	2025/01/14 08:25	2025/01/14 08:30	2025/01/14 08:05	2025/01/14 08:00			
	Sample ID		**SANG-FB-01142025**	**SANG-INF-01142025**	**SANG-INF-01142025D**	**SANG-PEAG1-01142025**	**SANG-PEAG2-01142025**	**SANG-MIDBR1-01142025**	**SANG-LOWCR1-01142025**	**SANG-PEAR1-01142025**	**SANG-EFF-01142025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	22	23	17	11	11	8.8	2.9	3.1	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	58	59	41	23	17	8.8	0.91 J	0.91 J	0.51	1.6	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	53	53	34	18	7.6	2.2	1.6 U	1.6 U	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	27	28	17	8.5	2.3	0.63 J	1.6 U	1.6 U	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	23	24	15	7.1	1.4 J	1.6 U	1.6 U	1.6 U	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	6.4	6.3	3.9	2.0 J	0.62 J	1.6 U	1.6 U	1.6 U	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	4.5	4.4	2.8	1.4 J	0.77 J	0.46 J	1.2 U	1.2 U	0.39	1.2	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.79 J	0.87 J	1.6 U	1.6 U	1.1 J	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	1.0 J	1.1 J	0.77 J	1.6 U	1.4 J	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	0.69 J	0.74 J	0.62 J	1.6 U	1.3 J	1.6 U	1.6 U	1.6 U	0.46	1.6	2
Perfluorotetradecanoic acid(PFTeDA)	EPA 537.1 M	ng/L	0.67 J	0.78 J	0.70 J	0.67 J	1.6 U	1.2 J	0.67 J	1.6 U	0.64 J	0.54	1.6	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	12	12	6.5	2.8	1.6 U	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	15	15	7.5	2.8	1.6 U	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	75	78	40	16	0.43 J	1.2 U	1.2 U	1.2 U	0.37	1.2	2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	4.1	4.1	2.4	1.3 J	1.6 U	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	260 (2)	280 (2)	130 (2)	50	2.1	1.7 J	1.3 J	1.2 J	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	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	1.6 U	0.69	1.6	2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	0.56 J (1)	0.60 J (1)	0.65 J (1)	1.6 U	1.6 U	0.73 J	0.56 J (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	1.1 J	2.8 U	2.8 U	2.0 J	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	2.2 J	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	2.0 J	2.0 J	1.2 J	0.73 J	0.59 J (1)	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	70	73	38	16	5.2	1.1 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	15	15	6.8	3.2 J	1.5 J	0.97 J	0.84 J	0.89 J	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	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	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	0.83 J	31	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	0.63 J (1)	3.0 J	1.6 U	1.6 U	0.41	1.6	4

Notes:

(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.

(1) 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-01142025 is a field blank.

Sample SANG-INF-01142025 D is a field duplicate of SANG-INF-01142025 .

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

C507709V1 - 01/21/2025

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		ANLR81	ANLR86	ANLR87	ANLR84	ANLR85	ANLR88	ANLR89	ANLR83	ANLR82			
	Sampling Date		2025/01/21 08:00	2025/01/21 08:25	2025/01/21 08:25	2025/01/21 08:15	2025/01/21 08:20	2025/01/21 08:30	2025/01/21 08:35	2025/01/21 08:10	2025/01/21 08:05			
	Sample ID		**SANG-FB-01212025**	**SANG-INF-01212025**	**SANG-INF-01212025D**	**SANG-PEBG2-01212025**	**SANG-PEBG1-01212025**	**SANG-MIDBR1-01212025**	**SANG-LOWCR1-01212025**	**SANG-PEBR1-01212025**	**SANG-EFF-01212025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	29	29	13	20	12 J (2)	11	5.6	5.1	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	74	73	25	46	19 J (2)	11	0.85 J	0.76 J	0.51	1.6	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	74	74	20	42	16 U (2)	1.7 J	1.6 U	1.6 U	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	32	31	7.3	17	16 U (2)	1.6 U	1.6 U	1.6 U	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	32	30	6.5	16	16 U (2)	1.6 U	1.6 U	1.6 U	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	6.4	6.7	1.1 J	3.3	16 U (2)	1.6 U	1.6 U	1.6 U	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	3.9	4.1	0.60 J	1.8 J	12 U (2)	1.2 U	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	16 U (2)	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	16 U (2)	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	16 U (2)	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	16 U (2)	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	18	17	2.6	8	16 U (2)	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	21	20	2.4	8.6	16 U (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	98 (1)	98	15	46	12 U (2)	1.2 U	1.2 U	1.2 U	0.37	1.2	2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	4.9	4.7	0.54 J	1.9 J	16 U (2)	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	360 (1)	380 (1)	42	170 (1)	16 U (2)	1.6 U	1.6 U	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	16 U (2)	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	16 U (2)	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	16 U (2)	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	28 U (2)	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	28 U (2)	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	3.9 J	4.2	0.54 J	1.9 J	16 U (2)	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	130 (1)	130 (1)	19	58	4.3 J (2)	0.59 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	15	15	2.0 J	6.6	16 U (2)	1.6 U	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	16 U (2)	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	16 U (2)	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	16 U (2)	11	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	16 U (2)	2.6 J	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) Due to an extraction error, analysis of the undiluted sample was not completed. The diluted sample was analysed, detection limit was adjusted accordingly (10x).

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-01212025 is a field blank.

Sample SANG-INF-01212025 D is a field duplicate of SANG-INF-01212025 .

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

C509670V1 - 01/28/2025

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		ANPI31	ANPI36	ANPI37	ANPI35	ANPI34	ANPI38	ANPI39	ANPI33	ANPI32			
	Sampling Date		2025/01/28 09:30	2025/01/28 09:47	2025/01/28 09:50	2025/01/28 09:44	2025/01/28 09:42	2025/01/28 09:53	2025/01/28 09:56	2025/01/28 09:39	2025/01/28 09:33			
	Sample ID		**SANG-FB-01282025**	**SANG-INF-01282025**	**SANG-INF-01282025D**	**SANG-PECG1-01282025**	**SANG-PECG2-01282025**	**SANG-MIDBR1-01282025**	**SANG-LOWCR1-01282025**	**SANG-PECR1-01282025**	**SANG-EFF-01282025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	30	31	21	14	14	13	8.9	7.5	0.76	1.7	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	80	78	50	25	24	14	2.6	1.9 J	0.55	1.7	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	78	75	45	18	12	3	1.7 U	1.7 U	0.57	1.7	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	32	31	18	6.3	2.9	1.7 U	1.7 U	1.7 U	0.54	1.7	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	31	30	17	5.4	1.4 J	1.7 U	1.7 U	1.7 U	0.77	1.7	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	7.6	7.1	3.7	1.4 J	1.7 U	1.7 U	1.7 U	1.7 U	0.54	1.7	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	4.8	5.1	2.6	0.77 J	1.3 U	1.3 U	1.3 U	1.3 U	0.42	1.3	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.61 J	0.73 J	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.52	1.7	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.64	1.7	2.2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.5	1.7	2.2
Perfluorotetradecanoic acid(PFTeDA)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.59	1.7	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	19	19	9.2	2.8	1.7 U	1.7 U	1.7 U	1.7 U	0.71	1.7	2.2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.6 U	18	18	8.7	2.1 J	1.7 U	1.7 U	1.7 U	1.7 U	0.7	1.7	2.2
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.2 U	100	100	48	11	1.3 U	1.3 U	1.3 U	1.3 U	0.4	1.3	2.2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	5	5.1	2.3 J	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.52	1.7	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	270 (1)	260 (1)	140 (1)	31	1.7 U	1.7 U	1.7 U	1.7 U	0.5	1.7	2.2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.61	1.7	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.75	1.7	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.6	1.7	4.3
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	3.0 U	3.0 U	3.2 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	0.86	3	4.3
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	3.0 U	3.0 U	3.2 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.1	3	4.3
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	4.5	3.9 J	2.3 J	0.63 J	0.49 J (2)	1.7 U	1.7 U	1.7 U	0.48	1.7	4.3
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	120 (1)	120 (1)	55	14	7.7	1.1 J	1.3 U	1.3 U	0.4	1.3	4.3
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	17	17	6.3	1.7 J	0.59 J	1.7 U	1.7 U	1.7 U	0.52	1.7	4.3
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.55	1.7	4.3
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.53	1.7	4.3
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.8 U	1.7 U	1.7 U	4.3	1.7 U	1.7 U	0.64	1.7	4.3
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.6 U	0.59 J (2)	1.7 U	1.8 U	1.7 U	1.7 U	1.5 J	1.7 U	1.7 U	0.45	1.7	4.3

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-01282025 is a field blank.

Sample SANG-INF-01282025 D is a field duplicate of SANG-INF-01282025 .

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

C515286V1 - 02/11/2025

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	ANZX33	ANZX38	ANZX39	ANZX41	ANZX40	ANZX37	ANZX36	ANZX35	ANZX34			
		Sampling Date	2025/02/11 08:55	2025/02/11 09:20	2025/02/11 09:20	2025/02/11 09:30	2025/02/11 09:25	2025/02/11 09:15	2025/02/11 09:10	2025/02/11 09:05	2025/02/11 09:00			
		Sample ID	**SANG-FB-02112025**	**SANG-INF-02112025**	**SANG-INF-02112025D**	**SANG-LOWCR1-02112025**	**SANG-MIDBR1-02112025**	**SANG-PEAG1-02112025**	**SANG-PEAG2-02112025**	**SANG-PEAR1-02112025**	**SANG-EFF-02112025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	23	22	22	20	21	14	17	18	0.78	1.8	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	63	62	30	40	46	22	6	6.1	0.57	1.8	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	61	61	6.9	21	41	15	1.8 U	1.8 U	0.58	1.8	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	28	28	0.62 J	5	17	5.7	1.8 U	1.8 U	0.56	1.8	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	26	26	1.8 U	2.0 J	15	4.6	1.8 U	1.8 U	0.79	1.8	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	6.6	6.6	1.8 U	1.8 U	3.6	0.99 J	1.8 U	1.8 U	0.56	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	6	5.8	1.3 U	1.3 U	3.2	0.73 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	0.65 J	0.55 J	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	0.71 J	0.73 J	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	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	1.8 U	1.8 U	0.6	1.8	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	13	13	1.8 U	1.8 U	7.2	1.9 J	1.8 U	1.8 U	0.72	1.8	2.2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.6 U	14	15	1.8 U	1.8 U	6.7	1.2 J	1.8 U	1.8 U	0.71	1.8	2.2
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.2 U	70	71	1.3 U	1.3 U	37	8.9	1.3 U	1.3 U	0.41	1.3	2.2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	4.1	4.2	1.8 U	1.8 U	2.0 J	0.67 J	1.8 U	1.8 U	0.53	1.8	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	210 (1)	220 (1)	1.8 U	1.8 U	110 (1)	29	1.8 U	1.8 U	0.51	1.8	2.2
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	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	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	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	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	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	2.5 J	2.5 J	1.8 U	0.78 J	1.4 J	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	92	93	2.1 J	12	49	12	1.3 U	1.3 U	0.41	1.3	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	14	15	1.8 U	1.8 U	7.3	1.4 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	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	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	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	0.77 J	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.

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-02112025 is a field blank.

Sample SANG-INF-02112025 D is a field duplicate of SANG-INF-02112025 .

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

C518135V1 - 02/18/2025

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	AOFE27	AOFE31	AOFE32	AOFE29	AOFE30	AOFE33	AOFE34	AOFE28			
		Sampling Date	2025/02/18 08:30	2025/02/18 08:44	2025/02/18 08:44	2025/02/18 08:38	2025/02/18 08:41	2025/02/18 08:47	2025/02/18 08:50	2025/02/18 08:33			
		Sample ID	SANG-FB-02182025	SANG-INF-02182025	SANG-INF-02182025D	SANG-PEBR1-02182025	SANG-PEBG2-02182025	SANG-MIDBR1-02182025	SANG-LOWCR1-02182025	SANG-EFF-02182025	DL	LOD	LOQ
Perfluorinated Compounds	**Method**	**UNITS**											
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.9 U	19	19	17	14	16	19	17	0.76	1.7	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.9 U	52	51	6.1	26	33	26	6.3	0.55	1.7	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.9 U	44	45	1.7 U	22	17	5.1	1.9 U	0.57	1.7	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.9 U	25	27	1.7 U	12	4.3	1.7 U	1.9 U	0.54	1.7	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.9 U	24	25	1.7 U	11	2.2	1.7 U	1.9 U	0.77	1.7	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.9 U	8.2	8.3	1.7 U	3.3	1.7 U	1.7 U	1.9 U	0.54	1.7	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.4 U	11	11	1.3 U	4.2	1.3 U	1.3 U	1.4 U	0.42	1.3	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.9 U	1.3 J	1.2 J	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.52	1.7	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.9 U	1.7 J	1.6 J	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.64	1.7	2.2
Perfluorotridecanoic acid (PFTrDA)	EPA 537.1 M	ng/L	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.5	1.7	2.2
Perfluorotetradecanoic acid(PFTeDA)	EPA 537.1 M	ng/L	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.59	1.7	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.9 U	7.5	7.9	1.7 U	3.2	1.7 U	1.7 U	1.9 U	0.71	1.7	2.2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.9 U	9.3	8.7	1.7 U	2.8	1.7 U	1.7 U	1.9 U	0.7	1.7	2.2
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.4 U	56	56	1.3 U	20	0.54 J	1.3 U	1.4 U	0.4	1.3	2.2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.9 U	2.0 J	2.2	1.7 U	0.80 J	1.7 U	1.7 U	1.9 U	0.52	1.7	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.9 U	170 (2)	160 (2)	1.7 U	61	1.9 J	1.7 U	1.9 U	0.5	1.7	2.2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.61	1.7	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.75	1.7	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.6	1.7	4.3
MeFOSAA	EPA 537.1 M	ng/L	3.3 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.3 U	0.86	3	4.3
EtFOSAA	EPA 537.1 M	ng/L	3.3 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.3 U	1.1	3	4.3
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.9 U	1.9 J	1.7 J	1.7 U	0.67 J (1)	0.85 J (1)	1.7 U	1.9 U	0.48	1.7	4.3
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	65	65	1.3 U	23	11	1.7 J	1.4 U	0.4	1.3	4.3
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.9 U	14	15	1.7 U	5.7	0.93 J	1.7 U	1.9 U	0.52	1.7	4.3
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.55	1.7	4.3
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.53	1.7	4.3
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.9 U	0.64	1.7	4.3
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	0.67 J	1.9 U	0.45	1.7	4.3

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.

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-02182025 is a field blank.

Sample SANG-INF-02182025 D is a field duplicate of SANG-INF-02182025 .

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

C520278V1 - 02/25/2025

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	AOJM46	AOJM49	AOJM50	AOJM51	AOJM52	AOJM48	AOJM47			
		Sampling Date	2025/02/25 09:15	2025/02/25 09:50	2025/02/25 09:50	2025/02/25 09:40	2025/02/25 09:35	2025/02/25 09:30	2025/02/25 09:20			
		Sample ID	**SANG-FB-02252025**	**SANG-INF-02252025**	**SANG-INF-02252025D**	**SANG-MIDBR1-02252025**	**SANG-LOWCR1-02252025**	**SANG-PECR1-02252025**	**SANG-EFF-02252025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.8 U	23	23	7.9	18	18	19	0.78	1.8	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.8 U	65	65	15	25	6.7	6.9	0.57	1.8	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.8 U	57	58	7.4	4.5	1.8 U	1.8 U	0.58	1.8	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.8 U	32	32	2.0 J	1.8 U	1.8 U	1.8 U	0.56	1.8	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.8 U	30	30	1.1 J	1.8 U	1.8 U	1.8 U	0.79	1.8	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.8 U	8.5	8.6	1.8 U	1.8 U	1.8 U	1.8 U	0.56	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.3 U	6.8	6.8	1.3 U	1.3 U	1.3 U	1.3 U	0.43	1.3	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.8 U	0.78 J	0.76 J	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	1.8 U	0.84 J	0.79 J	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	1.8 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	1.8 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	1.8 U	12	12	1.8 U	1.8 U	1.8 U	1.8 U	0.72	1.8	2.2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.8 U	15	14	1.8 U	1.8 U	1.8 U	1.8 U	0.71	1.8	2.2
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.3 U	84	85	1.3 U	1.3 U	1.3 U	1.3 U	0.41	1.3	2.2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.8 U	4.4	4.3	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	1.8 U	280 (1)	270 (1)	1.8 U	1.8 U	1.8 U	1.8 U	0.51	1.8	2.2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.8 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	1.8 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	1.8 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	3.1 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	3.1 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	1.8 U	2.6 J	2.6 J	0.51 J (2)	0.62 J (2)	1.8 U	1.8 U	0.49	1.8	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.3 U	96	98	4.3 J	1.2 J	1.3 U	1.3 U	0.41	1.3	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.8 U	18	18	1.8 U	1.8 U	1.8 U	1.8 U	0.53	1.8	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.8 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	1.8 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	1.8 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	1.8 U	1.8 U	1.8 U	1.8 U	0.65 J	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-02252025 is a field blank.

Sample SANG-INF-02252025 D is a field duplicate of SANG-INF-02252025 .

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

C523219V1 - 03/04/2025

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		AOOW24	AOOW29	AOOW30	AOOW28	AOOW27	AOOW31	AOOW32	AOOW26	AOOW25			
	Sampling Date		2025/03/04 08:00	2025/03/04 08:25	2025/03/04 08:25	2025/03/04 08:20	2025/03/04 08:15	2025/03/04 08:30	2025/03/04 08:35	2025/03/04 08:10	2025/03/04 08:05			
	Sample ID		**SANG-FB-03042025**	**SANG-INF-03042025**	**SANG-INF-03042025D**	**SANG-PEDG1-03042025**	**SANG-PEDG2-03042025**	**SANG-MIDBR1-03042025**	**SANG-LOWCR1-03042025**	**SANG-PEDR1-03042025**	**SANG-EFF-03042025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	21	21	16	7.1	6.4	12	11	13	0.78	1.8	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	59	57	38	16	15	21	5.9	8.4	0.57	1.8	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	56	53	34	15	12	5	1.8 U	1.1 J	0.58	1.8	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	29	28	17	8.1	5.1	0.83 J	1.8 U	0.66 J	0.56	1.8	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	27	26	15	7.3	4	1.8 U	1.8 U	1.8 U	0.79	1.8	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	7.1	6.9	4	2.1 J	1.1 J	1.8 U	1.8 U	1.8 U	0.56	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	5.2	5.4	2.9	1.5 J	0.86 J	1.3 U	1.3 U	1.3 U	0.43	1.3	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.96 J	0.88 J	0.76 J	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	0.78 J	0.75 J	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	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	1.8 U	1.8 U	0.6	1.8	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	12	12	6.4	2.0 J	0.73 J	1.8 U	1.8 U	1.8 U	0.72	1.8	2.2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.6 U	13	13	5.9	2.5	1.8 U	1.8 U	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	79	38	15	3.1	1.3 U	1.3 U	1.3 U	0.41	1.3	2.2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	3.5	3.6	2.1 J	1.1 J	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	210 (1)	200 (1)	110	45	10	1.8 U	1.8 U	1.8 U	0.51	1.8	2.2
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	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	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	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	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	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	3.2 J	3.2 J	1.9 J	0.92 J	0.88 J	0.71 J	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	95	93	46	20	13	1.7 J	1.3 U	0.97 J	0.41	1.3	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	13	13	6	2.8 J	1.5 J	1.8 U	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	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	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	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	1.0 J	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.

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-03042025 is a field blank.

Sample SANG-INF-03042025 D is a field duplicate of SANG-INF-03042025 .

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

C526379V1 - 03/11/2025

RESULTS OF ANALYSES OF WATER **VALIDATED**

		Bureau Veritas ID	AOVA48	AOVA53	AOVA54	AOVA50	AOVA52	AOVA51	AOVA55	AOVA56	AOVA49			
		Sampling Date	2025/03/11 10:00	2025/03/11 10:17	2025/03/11 10:20	2025/03/11 10:08	2025/03/11 10:14	2025/03/11 10:11	2025/03/11 10:23	2025/03/11 10:26	2025/03/11 10:03			
		Sample ID	**SANG-FB-03112025**	**SANG-INF-03112025**	**SANG-INF-03112025D**	**SANG-PEAR1-03112025**	**SANG-PEAG1-03112025**	**SANG-PEAG2-03112025**	**SANG-MIDBR1-03112025**	**SANG-LOWCR1-03112025**	**SANG-EFF-03112025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	21	21	11	17	9.8	11	12	11	0.78	1.8	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	62	63	10	46	26	31	32	11	0.57	1.8	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	58	58	3.2	39	24	29	29	2.8	0.58	1.8	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	30	29	1.2 J	19	13	15	14	1.1 J	0.56	1.8	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	29	29	0.97 J	19	12	14	14	0.96 J	0.79	1.8	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	7.3	7.5	1.8 U	4.6	3	3.7	3.6	1.8 U	0.56	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	5.4	5.4	1.3 U	3.5	2.0 J	2.6	2.7	1.3 U	0.43	1.3	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.98 J	0.89 J	1.8 U	0.54 J	1.6 U	1.8 U	0.59 J	1.8 U	0.53	1.8	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	0.97 J	0.88 J	1.8 U	1.8 U	1.6 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	0.73 J	1.8 U	0.56 J	1.8 U	1.6 U	1.8 U	0.63 J	1.8 U	0.51	1.8	2.2
Perfluorotetradecanoic acid(PFTeDA)	EPA 537.1 M	ng/L	1.6 U	0.71 J	1.8 U	1.8 U	1.8 U	1.6 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	12	13	1.8 U	7.4	3.5	4.6	4.5	1.8 U	0.72	1.8	2.2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.6 U	14	14	1.8 U	8.1	3.7	5.1	4.7	1.8 U	0.71	1.8	2.2
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.2 U	84	87	1.1 J	52	28	36	35	1.2 J	0.41	1.3	2.2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	4.4	4	1.8 U	2.6	1.5 J	2.0 J	1.9 J	1.8 U	0.53	1.8	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	230 (2)	230 (2)	3.2	150 (2)	83	100	100	3.7	0.51	1.8	2.2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.6 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	1.6 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	0.96 J	1.8 U	0.61 J (1)	1.8 U	1.6 U	1.8 U	1.8 U (1)	1.8 U (1)	0.61	1.8	4.4
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	3.1 J	1.4 J	2.9 J	3.1 U	2.8 U	3.1 U	1.1 J	1.8 J	0.88	3.1	4.4
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	2.9 J	1.6 J	2.8 J	3.1 U	2.8 U	3.1 U	1.3 J	2.1 J	1.1	3.1	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	3.3 J	3.5 J	1.8 U	2.3 J	0.72 J (1)	1.7 J	1.6 J	1.8 U	0.49	1.8	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	100	100	3.5 J	63	37	43	45	3.1 J	0.41	1.3	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	16	17	1.8 U	8.7	5.2	6.4	7.4	0.82 J	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	1.6 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	1.6 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	1.6 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	1.6 U	1.8 U	1.1 J	1.8 U	0.46	1.8	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.

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-03112025 is a field blank.

Sample SANG-INF-03112025 D is a field duplicate of SANG-INF-03112025 .

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

C529519V1 - 03/18/2025

RESULTS OF ANALYSES OF WATER **VALIDATED**

	Bureau Veritas ID		APAW32	APAW37	APAW38	APAW36	APAW35	APAW34	APAW39	APAW40	APAW33			
	Sampling Date		2025/03/18 11:00	2025/03/18 11:18	2025/03/18 11:18	2025/03/18 11:15	2025/03/18 11:12	2025/03/18 11:09	2025/03/18 11:24	2025/03/18 11:27	2025/03/18 11:03			
	Sample ID		**SANG-FB-03182025**	**SANG-INF-03182025**	**SANG-INF-03182025D**	**SANG-PEBG1-03182025**	**SANG-PEBG2-03182025**	**SANG-PEBR1-03182025**	**SANG-MIDBR1-03182025**	**SANG-LOWCR1-03182025**	**SANG-EFF-03182025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	11	11	10	8.7	10	8.8	9	10	0.73	1.7	2.1
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	39	37	35	28	15	25	26	14	0.53	1.7	2.1
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	33	32	29	23	2.3	23	23	4.1	0.54	1.7	2.1
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	19	17	16	13	0.71 J	12	12	1.8 J	0.52	1.7	2.1
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	18	16	15	12	1.6 U	12	12	1.2 J	0.74	1.7	2.1
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	5.4	5.2	4.3	3.7	1.6 U	3.9	3.8	0.54 J	0.52	1.7	2.1
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	3.7	3.3	2.8	2.5	1.2 U	2.5	2.7	0.42 J	0.41	1.2	2.1
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.61 J	0.56 J	0.52 J	1.6 U	1.6 U	1.7 U	0.54 J	1.7 U	0.5	1.7	2.1
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	0.66 J	1.7 U	1.6 U	1.6 U	1.6 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	1.6 U	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	1.7 U	1.7 U	1.6 U	1.6 U	1.6 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	1.6 U	7.6	7.1	6.2	4.6	1.6 U	4.4	4.3	1.7 U	0.68	1.7	2.1
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.6 U	6.7	7.2	6.1	4.7	1.6 U	4	4	1.7 U	0.67	1.7	2.1
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.2 U	57	53	47	35	1.2 U	35	33	1.9 J	0.39	1.2	2.1
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	2.5	2.4	2	1.6 J	1.6 U	1.6 J	1.6 J	1.7 U	0.5	1.7	2.1
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	150 (2)	140 (2)	130 (2)	100 (2)	0.55 J	100	100 (2)	4.6	4.6	16	20
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	1.7 U	1.7 U	1.7 U	0.58	1.7	2.1
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.7 U	0.72	1.7	2.1
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	1.7 U	1.7 U	1.7 U	0.57	1.7	4.2
MeFOSAA	EPA 537.1 M	ng/L	2.8 U	3.0 U	2.9 U	2.8 U	2.8 U	2.8 U	3.0 U	2.9 U	2.9 U	0.82	2.9	4.2
EtFOSAA	EPA 537.1 M	ng/L	2.8 U	3.0 U	2.9 U	2.8 U	2.8 U	2.8 U	3.0 U	2.9 U	2.9 U	1	2.9	4.2
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.2 J	0.94 J (1)	0.89 J (1)	0.61 J (1)	0.66 J (1)	0.85 J (1)	0.71 J (1)	0.51 J	0.46	1.7	4.2
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	41	40	32	25	2.0 J	26	25	4.0 J	0.39	1.3	4.2
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	9.2	9.2	6.5	5.5	1.6 U	5.5	5.6	1.7 U	0.5	1.7	4.2
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	1.7 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	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 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	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 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	1.6 U	1.7 U	1.7 U	1.6 U	1.6 U	1.6 U	1.7 U	1.7 U	1.7 U	0.43	1.7	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.

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-03182025 is a field blank.

Sample SANG-INF-03182025 D is a field duplicate of SANG-INF-03182025 .

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

C532860V1 - 03/25/2025

RESULTS OF ANALYSES OF WATER **VALIDATED**

		Bureau Veritas ID	APGX74	APGX79	APGX80	APGX78	APGX77	APGX76	APGX81	APGX82	APGX75			
		Sampling Date	2025/03/25 07:55	2025/03/25 08:20	2025/03/25 08:20	2025/03/25 08:15	2025/03/25 08:10	2025/03/25 08:05	2025/03/25 08:25	2025/03/25 08:30	2025/03/25 08:00			
		Sample ID	**SANG-FB-03252025**	**SANG-INF-03252025**	**SANG-INF-03252025D**	**SANG-PECG1-03252025**	**SANG-PECG2-03252025**	**SANG-PECR1-03252025**	**SANG-MIDBR1-03252025**	**SANG-LOWCR1-03252025**	**SANG-EFF-03252025**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**												
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.6 U	17	18	16	13	10	13	13	9.6	0.7	1.6	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.6 U	53	53	48	37	15	38	37	14	0.51	1.6	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.6 U	48	50	42	33	5.7	35	33	5	0.52	1.6	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.6 U	26	26	21	18	2.4	18	17	2	0.5	1.6	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.6 U	25	25	20	16	1.8 J	18	17	1.6 J	0.71	1.6	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	7.2	7.3	5.8	4.9	0.70 J	5.3	4.7	0.64 J	0.5	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.2 U	5.6	5.5	4.3	3.3	0.42 J	3.5	3.2	0.46 J	0.39	1.2	2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.87 J	1.1 J	0.70 J	0.63 J	1.6 U	0.51 J	0.56 J	1.6 U	0.48	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.6 U	1.3 J	1.4 J	0.76 J	0.65 J	1.6 U	0.68 J	0.66 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	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	1.6 U	0.54	1.6	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.6 U	9.4	9.4	7.5	5.6	1.6 U	5.7	5.4	1.6 U	0.65	1.6	2
Perfluoropentanesulfonic acid PFPeS	EPA 537.1 M	ng/L	1.6 U	10	10	8.6	6.2	1.6 U	6.5	5.7	1.6 U	0.64	1.6	2
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.2 U	71	70	54	41	2.0 J	46	43	1.9 J	0.37	1.2	2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.6 U	3.2	3.3	2.5	1.7 J	1.6 U	2.0 J	1.8 J	1.6 U	0.48	1.6	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.6 U	220 (1)	210 (1)	170 (1)	130 (1)	4.8	170 (1)	130 (1)	5.2	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	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	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	0.64 J (2)	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	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	2.8 U	0.97	2.8	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.5 J	1.4 J	1.2 J	0.92 J	0.59 J	0.89 J	0.98 J	0.52 J	0.44	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.2 U	67	68	47	38	5.2	41	38	4.5	0.37	1.2	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	16	16	8.8	6.3	0.80 J	6.9	6.6	0.69 J	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	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	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	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	0.58 J	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-03252025 is a field blank.

Sample SANG-INF-03252025 D is a field duplicate of SANG-INF-03252025 .

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-02132025 mg/L)**	**PBG2 Effluent (SANG-PEAG2-02132025 mg/L)**	**Effluent (SANG-EFF-02132025 mg/L)**
Diethylene glycol	2/13/2025	<52	<52	<52
Ethylene glycol		<13	<13	<13
Propylene glycol		14.00	11.00	13.00
Triethylene Glycol		<54	<54	<54

Total Organic Carbon (TOC)				
Sample Parameter	**Sampling Date**	**Influent (mg/L)**	**PEAG2 Effluent (mg/L)**	**Effluent (mg/L)**
TOC	2/13/2025	12.00	9.30	8.40

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
1/2/2025			Inspect Primary Carbon vessels A1, B1, C1, & D1				
1/3/2025		10 Micron Pleated					
1/10/2025	25 Micron Pleated	10 Micron Pleated					
1/13/2025			Primary Carbon vessels A1, B1, C1, & D1				
1/16/2025				Fine Sand Filters 3A/3B			
1/17/2025		10 Micron Pleated					
1/24/2025	25 Micron Regular	10 Micron Regular					
1/27/2025			Primary Carbon vessels A1, B1, C1, & D1				
1/31/2025		10 Micron Regular					
2/3/2025	25 Micron Regular	10 Micron Pleated	Primary Carbon vessels A1, B1, C1, & D1				
2/5/2025			Primary Carbon vessels A1 & D1				
2/6/2025			Inspect Primary Carbon vessels A1, B1, C1, & D1				
2/7/2025	25 Micron Pleated	10 Micron Pleated					

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
2/10/2025			Agitate and Backwashed Primary Carbon Vessels A1, B1, C1 & D1				
2/12/2025			Primary Carbon vessels A1, B1, C1, & D1				
2/13/2025	25 Micron Pleated	10 Micron Pleated					
2/14/2025						Bypassed Primaries due to extreme fouling	
2/18/2025	25 Micron Regular	10 Micron Regular	Secondary Vessel A2			Primary/Secondary GAC Media change delayed due to freezing conditions	
2/19/2025						Primary/Secondary GAC Media change delayed due to freezing conditions	
2/20/2025						Primary/Secondary GAC Media change delayed due to freezing conditions	
2/21/2025						Primary/Secondary GAC Media change delayed due to freezing conditions	

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
2/24/2025					Remove GAC media from Treatment Train B. Install ≈2,500 lbs of reactivated carbon in B1 and virgin F400 carbon in B2. Fill with water and degas overnight.	Inspect Train B resin. Observed uniform discoloration but no channeling. Raked level	
2/25/2025			Primary/Secondary Carbon vessels B1& B2 initial		Remove GAC media from Treatment Train A and D. Install ≈2,500 lbs of reactivated carbon in A1&D1 and virgin F-400 carbon in A2&D2. Fill all four GAC vessels with water and degas overnight.	Inspect Train A resin. Observed uniform discoloration but no channeling. Raked level	
2/26/2025	25 Micron Regular	10 Micron Regular	Primary/Secondary Carbon vessels A1&A2, D1&D2 initial		Remove GAC media from Treatment Train C. Install ≈2,500 lbs of reactivated carbon in C1 and virgin F-400 carbon inC2. Fill train C GAC vessels with water and degas overnight.	Inspect Train D resin. Observed uniform discoloration but no channeling. Raked level	
2/27/2025			Primary/Secondary Carbon vessels C1&C2 initial			Inspect Train C resin. Observed uniform discoloration, mounding in center but no channeling. Raked level	
2/28/2025	25 Micron Pleated	10 Micron Pleated					

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
3/3/2025	25 Micron Regular	10 Micron Regular				Spent GAC media loaded onto Truck for reactivation	
3/6/2025				Fine Sand Filters 3A/3B			
3/7/2025	25 Micron Pleated	10 Micron Pleated					
3/10/2025			Primary Carbon vessels A1, B1, C1, & D1				
3/12/2025	25 Micron Regular	10 Micron Regular	Secondary Carbon Vessels A2, B2, C2 & D2				
3/13/2025				Manual Backwashing			
3/14/2025	25 Micron Pleated	10 Micron Pleated					
3/17/2025			Primary Carbon vessels A1, B1, C1, & D1				
3/18/2025	25 Micron Regular	10 Micron Regular					
3/20/2025				Coarse Sand Filters 1A/1B			
3/21/2025	25 Micron Pleated	10 Micron Pleated					
3/25/2025			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
3/26/2025	25 Micron Regular	10 Micron Regular					
3/28/2025	25 Micron Pleated	10 Micron Pleated					
3/28/2025			Primary Carbon vessels A1, B1, C1 & D1				

FIGURES

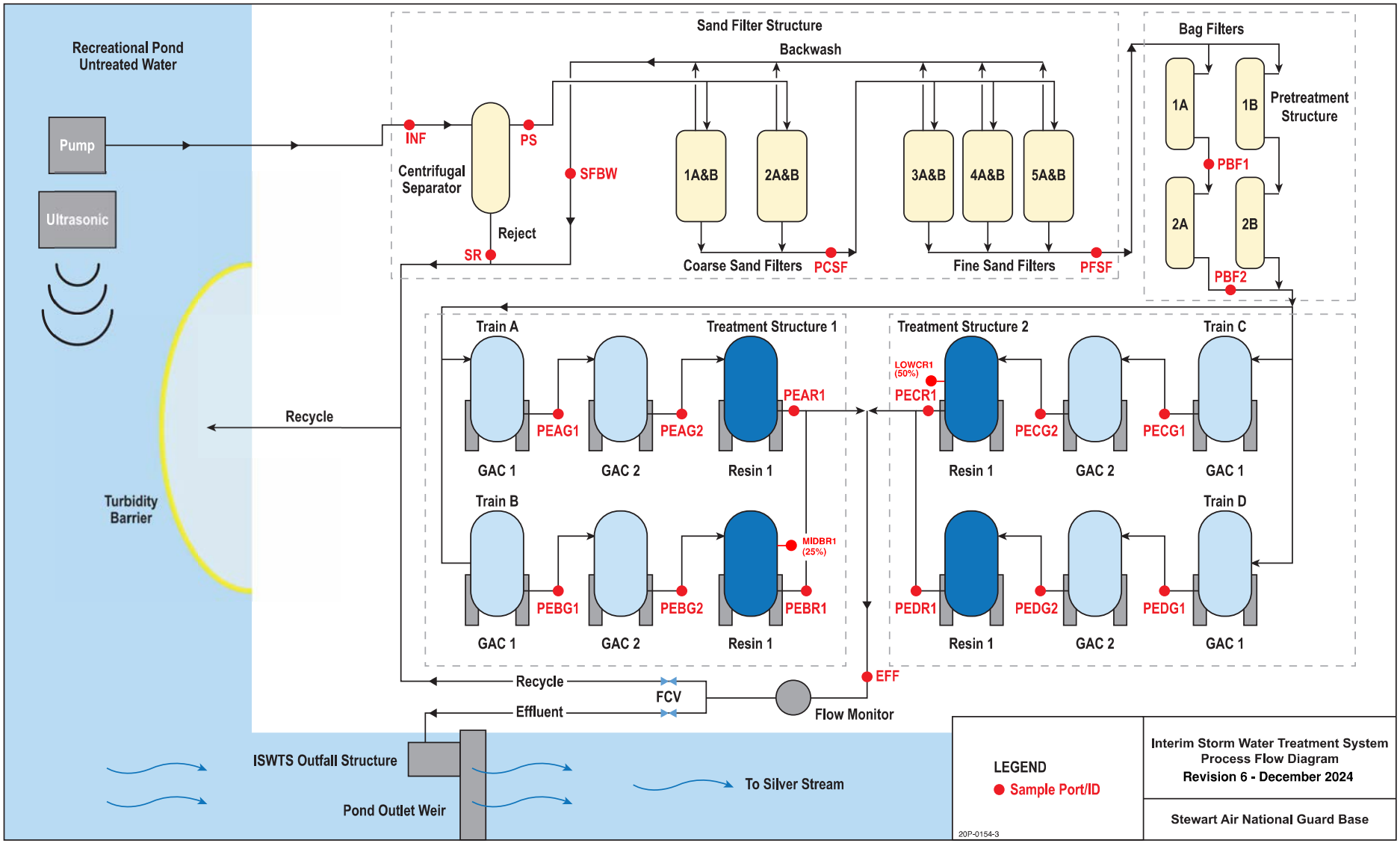

Recreational Pond
Untreated Water
Pump
Ultrasonic
Turbidity
Barrier
Recycle
Sand Filter Structure
Backwash
INF
PS
Centrifugal
Separator
SFBW
Reject
SR
1A&B
2A&B
3A&B
4A&B
5A&B
Coarse Sand Filters
PCSF
Fine Sand Filters
PFSF
Bag Filters
1A
1B
Pretreatment
Structure
PBF1
2A
2B
PBF2
Train A
Treatment Structure 1
PEAG1
PEAG2
PEAR1
GAC 1
GAC 2
Resin 1
Train B
PEBG1
PEBG2
PEBR1
MIDBR1
(25%)
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

January to March 2025

ISWTS SANGB - RECREATION POND LEVEL

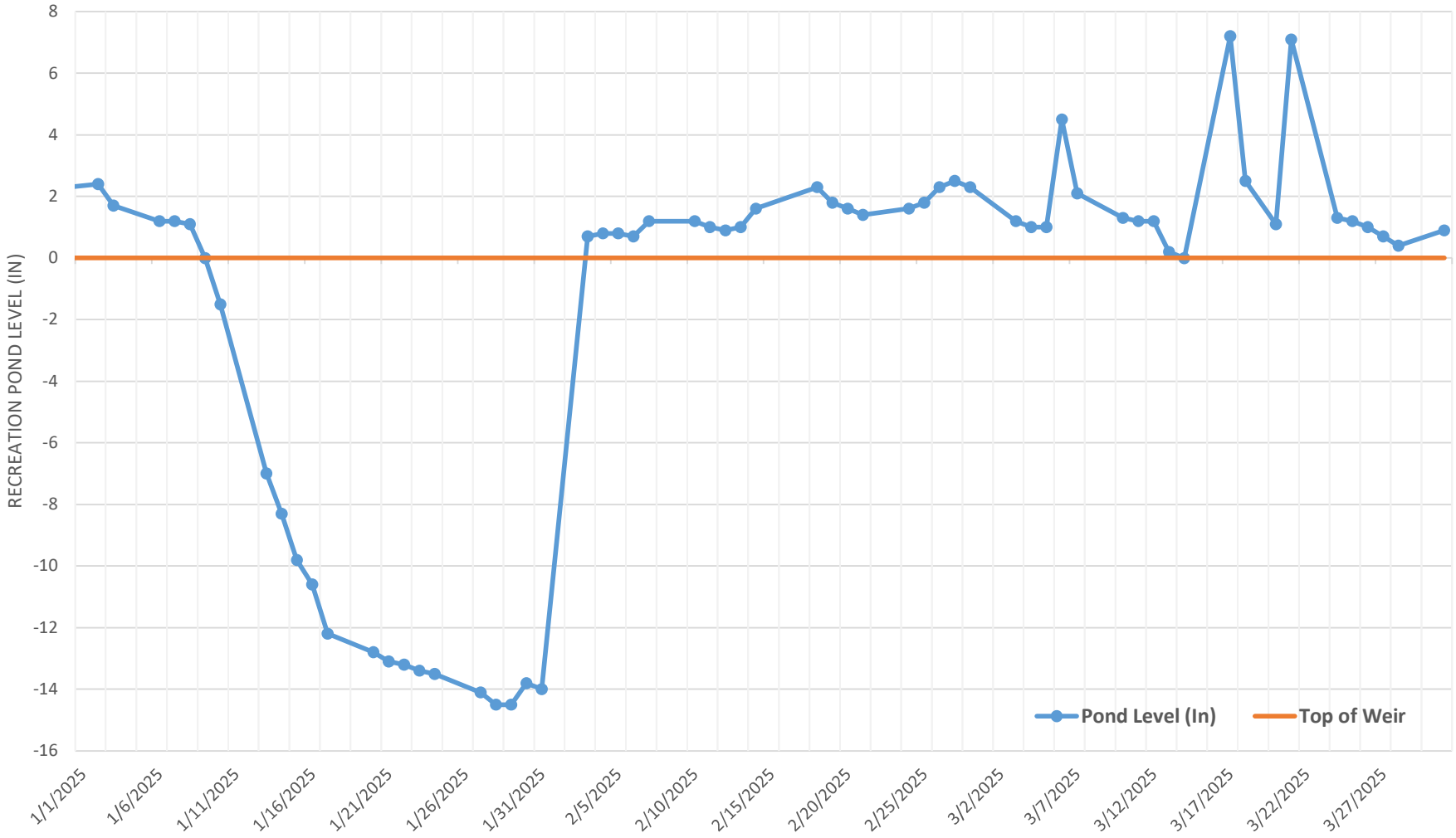
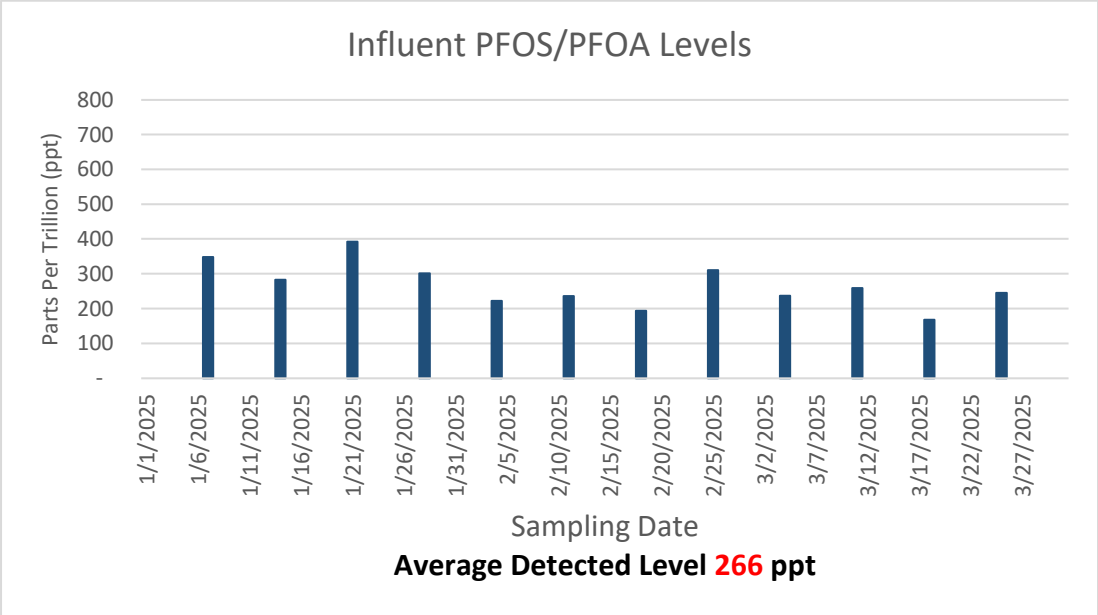
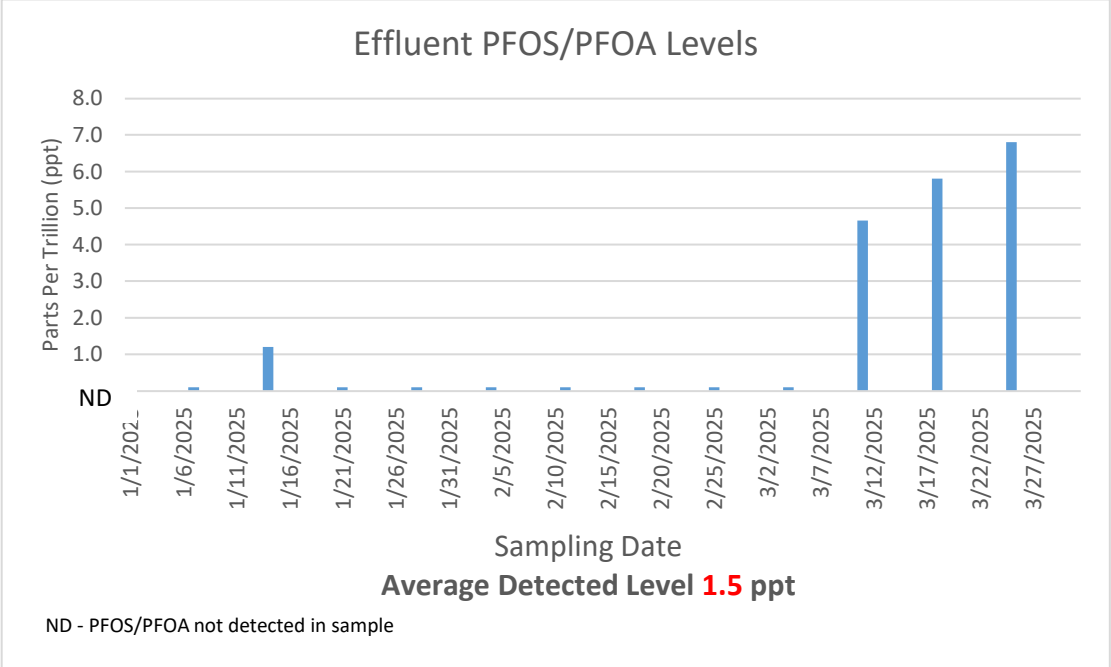


FIGURE 3 - INFLUENT AND EFFLUENT PFOS AND PFOA CHARTS



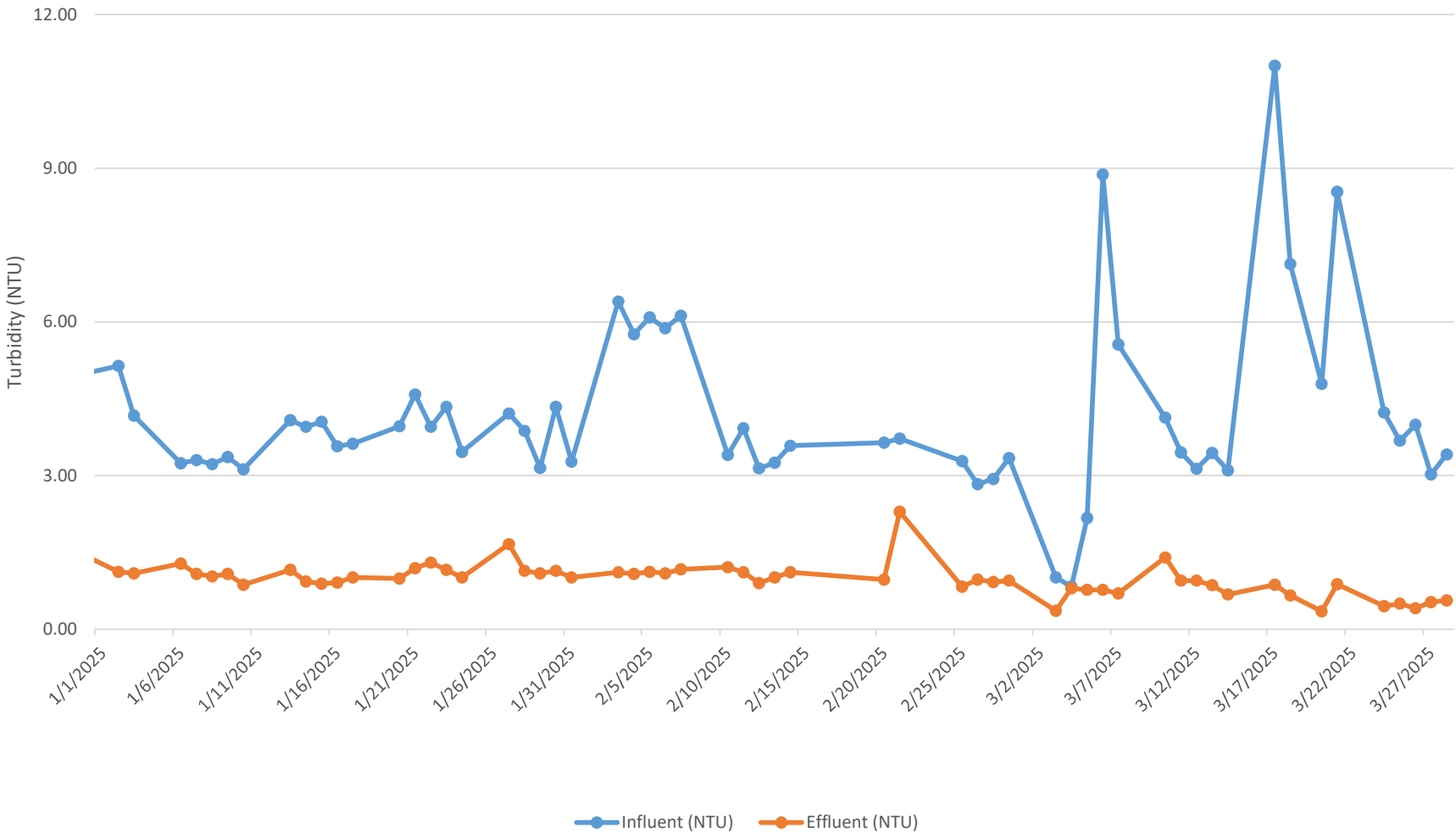


ND - PFOS/PFOA not detected in sample

FIGURE - 4 - INFLUENT AND EFFLUENT TURBIDITY CHART

January to March 2025

Influent and Effluent Turbidity



ATTACHMENT 1

Waste Disposal

ONION EQUIPMENT COMPANY

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

July 9, 2025

Re: Stewart ANG February 2025 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 2025.

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: March 26, 2025

Service Order # 60020642

CCC CAN Number: 6973N / 19-03R-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
	NYD981183338	6973N	19-03R-1

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
Dart Trucking	
Transporter 2 Company Name	**US EPA ID Number**

Designated Facility Name and Site Address	US EPA ID Number
Calgon Carbon Corporation, 15024 US 23, Cattlesburgh, KY 41129 C/O Dart Trucking, 11017 Market St, North Lima, OH 44452 Facility's Phone: 412-771-4050, X4116	PAD000736942

	Waste Shipping Name and Description	Containers No.	Containers Type	Total Quantity	Unit Wt / Voi.	Disposal Method
1	non RCRA Spent Activated Carbon; Non DOT Regulated	15	1 CYD BAG	20,000	LB	Reactivation
2						
3						
4						

Special Handling Instructions and Additional Information	24 Hour Emergency Response Phone
Profile 6973N, RMA 60020642 Note item 1 weight is dry weight basis	(317) 694-7576
	Emergency **R**esponse **G**uide 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 D Patterson		February	27	2025

TRANSPORTER SECTION

Transporter's Acknowledgement of Receipt of Materials

Transporter 1 Printed / Typed Name	Signature	Month	Day	Year
		March	3	2025
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