US Army Corps of Engineers
Baltimore District

QUARTERLY OM&M REPORT NO. 9

July to September 2022

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

December 2022 Revision 1

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ACRONYMS AND ABBREVIATIONS

AFFF	aqueous film forming foam
ANG	Air National Guard
BES	Bristol Environmental Solutions, LLC
DoD	U.S. Department of Defense
EPA	Environmental Protection Agency
F400	Calgon Filtrasorb 400
GAC	granular activated carbon
HA	Health Advisory
ISWTS	Interim Storm Water Treatment System
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
TOC	total organic carbon
USACE	US Army Corps of Engineers

1.0 INTRODUCTION

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

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

This is the ninth quarterly report that summarizes Operations, Maintenance, and Monitoring (OM&M) activities conducted by BES at SANGB. This report summarizes ISWTS operations between July 01 and September 30, 2022, at SANGB and includes the contract award of Option Year 1 extending OM&M activities under modification 0001 through the period of performance of September 13, 2023.

2.0 GENERAL COMPLIANCE SUMMARY

The ISWTS operations began treatment of water on July 13, 2020, following installation and commissioning of pretreatment system improvements in June and early July 2020.

This report summarizes OM&M between July 01 and September 30, 2022, or months 25, 26, and 27 post start-up.

During the performance period there was one media exchange. A media exchange was required due to excessive biosolids loading and media fouling in June and July 2022, that was restricting throughput. A media exchange event was performed between July 12 and July 22, 2022, and included changeout of coarse and fine sand filtration systems as well as the PFOS/PFOA treatment media. For the July 2022 media change event, the existing granular activated carbon (GAC) and IX resin was replaced with two GAC vessels and one IX resin polishing vessel for Trains A, B, and D. This GAC-GAC-IX regime is consistent with previous configurations and employed virgin Calgon Filtrasorb 400 (F400) and Purolite PFA694 IX resin. The configuration of Train C was altered to have three vessels of F400 virgin carbon installed to compare a single treatment train of all GAC to the current configuration of GAC-GAC-IX resin in the remaining treatment trains (A, B, and D).

During the performance period the system influent, intra-process monitoring (three locations) and effluent was monitored weekly to confirm treatment system effectiveness for PFOS and PFOA as well as other per- and polyfluoroalkyl substances (PFAS). Beginning September 13, 2022, the all GAC treatment train (Train C) was also sampled weekly (three locations) to compare its performance to Trains A, B, and D for the remainder of the quarter. Performance sampling was conducted a total of 12 days during the quarterly period and comparison sampling (Train C vs. Trains A, B, or D) was performed during the last three weekly samples on September 13, 20, and 27.

The analytical method used was EPA 537.1 M. Final PFAS results are provided in **Table 1**. Based on validated analytical data, all ISWTS effluent PFOS and PFOA sample results were well below the discharge criteria of 70 ppt (individually or combined) in the off-base stormwater discharge at Recreation Pond.

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, primary and secondary GAC, and ion exchange resin serving as a polishing media in Trains A, B, and D. The Train C configuration was changed to include primary GAC, secondary GAC, and tertiary GAC, which serves as a polishing media after July 22 and for the remainder of the performance period. Peracetic acid continued to be introduced prior to the centrifugal separator at a low (safe) concentration to reduce biological growth in the system. The system configuration is shown on **Figure 1**.

4.0 GENERAL FACILITY OPERATIONS SUMMARY

During the performance period, a total of 23,304,270 gallons of stormwater was treated and discharged over the outfall weir by the ISWTS. All treated effluent was discharged over the outfall weir. No effluent was recirculated to the Recreation Pond during the performance period. The table below summarizes the total volume treated (gallons), operational time (hours), run time (% of total time), and average treatment rate (gallons per minute) during each month of system operations. The total gallons summarized below represent the total water discharged over the weir. The ISWTS and influent pump does not run all the time. It is turned off when system maintenance is being performed, during power failures, and during periods when Recreation Pond drawdown objectives were achieved. These are the primary reasons why reduced run time occurs.

Month	Volume Treated (Gallons)	Operational Time[1] (Hours)	Run Time[2] (Percent)	Average Treatment Flow[3] (GPM)
July 2022	8,932,350	619	83%	241
August 2022	5,238,480	372	50%	235
September 2022	9,133,440	596	86%	255
Total	23,304,270	1,587		

[1]Operation Time – Hours influent pump in operation during month
[2]Run Time – Hours pump running divided by the total period time
[3]Average GPM – Average flow total gallons divided by operational hours

There were 92 days of operation between July 01 and September 30, 2022. During this period of performance, the Recreation Pond was drawn down for 77 of the 92 days or 84% of the time. The Recreation Pond level during the performance period is shown on **Figure 2**.

5.0 FACILITY PERFORMANCE MONITORING

5.1 INFLUENT AND EFFLUENT PFOS AND PFOA MONITORING

As previously noted, PFOS and PFOA samples were collected 12 times on the influent and effluent during the performance period. **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 averaged concentrations during the performance period were 329 ppt and 2.6 ppt, respectively. The maximum combined PFOS and PFOA influent concentration was 541 ppt on August 16, 2022, and the maximum combined PFOS and PFOA effluent concentration was 8.1 ppt on July 12, 2022, of the performance period.

5.2 INTRA-PROCESS PFOS AND PFOA MONITORING

During the performance period, intra-process monitoring for PFOS and PFOA was performed after the primary and secondary GAC and Ion Exchange resin to confirm media effectiveness. Based on intra-process sample results the maximum detection of

PFOS/PFOA in the primary GAC was 41.1 ppt on July 12 2022, before the media change. The maximum detection of PFOS and PFOA in the secondary GAC and ion exchange resin was 4.2 ppt and 27.1 ppt, respectively also on July 12 2022. The high detection of PFOS and PFOA in the ion exchange effluent, indicated the resin performance was degrading and a media exchange was required.

The media exchange performed this period (July 12 through July 22, 2022) included all GAC-GAC-IX for Trains A, B, and D and all GAC (GAC-GAC-GAC) for Train C. The all carbon configuration is being tested and compared against the original configuration of carbon and IX resin in a polishing position in Trains A, B, and D. Initial performance results for the three comparison samples collected in September 2022, are summarized herein. This data indicates that the Train C GAC effluent was less than or equal to the other Trains IX resin effluent for PFOS/PFOA combined as well as the overall combined PFAS concentration, which is the sum of the individual PFAS compounds detected in samples analyzed by Method EPA 537.1M.

Compare Train C GAC 3 Effluent to Trains A, B, or D IX Effluent

Date	Combined PFOS/PFOA (ppt)		Combined PFAS (ppt)	
	Train A, B, or D - IX Effluent	Train C – GAC 3 Effluent	Train A, B, or D - IX Effluent	Train C – GAC 3 Effluent
9/13/22	14.2	ND	109.1	0.6
9/20/22	ND	ND	14.4	2.2
9/27/22	0.5	ND	17.4	ND

5.3 OTHER WATER QUALITY MONITORING

During the performance period additional monitoring was performed for total organic carbon (TOC), and glycols on the influent, secondary GAC effluent, and final effluent on August 23 2022. These results are shown in **Table 2**. 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 4.7 mg/L and the GAC-2

effluent (influent to the resin) was 0.91 mg/L indicating that the influent TOC level to the ion exchange resin was acceptable. Effluent TOC concentration was 3.80 mg/L. We are uncertain why increased TOC concentrations were detected in the overall effluent. Glycol was not detected in the August 23, 2022, samples. No results were cause for concern or believed to negatively impact the ISWTS performance.

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 treatment system in removing solids. During the performance period, influent and effluent turbidity averaged 10.46 nephelometric turbidity units (NTU) and 1.01 NTU, respectively. A graph of the influent and effluent turbidity during the performance period is included as **Figure 4**.

5.5 PERACETIC ACID ADDITION

As discussed, peracetic acid was added to the process influent to help reduce biological growth in the system. During the performance period 10.7 gallons of peracetic acid was introduced, and the average dose was 0.45-gallon of peracetic acid per million gallons of water treated or 0.97 pounds per day.

6.0 SCHEDULED PREVENTIVE MAINTANANCE

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; and
- Ion exchange resin skimming.

During the performance period the media was replaced once in the coarse and fine sand filters. The coarse and fine sand filters were backwashed 432 and 434 times, respectively and a total of 5 cleaning events were completed. The primary and secondary bag filters were changed 29 and 44 times, respectively, during the performance period. To maintain acceptable PFAS treatment media pressure, the primary and secondary GAC was backwashed 21 and 9 times, respectively, during the quarter. The resin was inspected, skimmed and leveled twice to remove solids and reduce media pressure during the quarter. The sand filter maintenance, bag filter changes, GAC backwash events, and ion exchange resin skimming activities are summarized in **Table 3**.

7.0 MATERIAL DISPOSAL

Waste bag filters and spent sand and gravel, as well as spent GAC and ion exchange resin wastes were generated during the quarter. Spent GAC materials were shipped to Calgon Corporation facility in Catlettsburg Kentucky, for thermal reactivation on July 26, 2022. Waste bag filters, spent sand and gravel, and spent resin waste were shipped to US Ecology for disposal in Subtitle C Landfill in Belleville, Michigan, on July 20 and July 28, 2022. Materials disposal activities are scheduled immediately following media changeout activities to eliminate any onsite storage of solid wastes. Material disposal documents are provided in Attachment 1.

8.0 PROJECTED ACTIVITIES FOR NEXT PERFORMANCE PERIOD

During the next performance period another media change is anticipated to meet performance objectives. Bristol received approval to test two of the four trains with all GAC media during the next media exchange that will likely occur in November 2022. Testing two trains of all GAC will allow for a more balanced evaluation of all GAC treatment and its performance to be compared to the existing system (e.g., two GAC vessels with ion exchange resin polishing) for both media life/fouling as well as PFOS/PFOA and total PFAS compound removal performance.

The effectiveness of the Peracetic acid has been uncertain. Bristol has turned off the Peracetic acid for the fourth quarter 2022, to see if increased biofouling impacts can be detected.

During the fourth quarter of 2022, offsite disposal and reactivation (GAC) of all spent wastes/media is anticipated. Bristol will continue to evaluate new technologies/materials to reduce biofouling impacts. No capital improvements are planned at this time.

TABLES

TABLE 1 - COMBINED ANALYTICAL RESULTS

C216493V1 - 07/05/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

Bureau Veritas ID			TBY391	TBY396	TBY397	TBY393	TBY395	TBY394	TBY392			
Sampling Date			2022/07/05 08:30	2022/07/05 09:00	2022/07/05 09:00	2022/07/05 08:41	2022/07/05 08:54	2022/07/05 08:47	2022/07/05 08:35			
Sample ID			**SANG-FB-07052022**	**SANG-INF-07052022**	**SANG-INF-07052022D**	**SANG-PBR1-07052022**	**SANG-PBG1-07052022**	**SANG-PBG2-07052022**	**SANG-EFF-07052022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.5 U	26	26	19	21	2.5	18	0.74	1.5	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.3 U	78	76	26	21	1.2 J	20	0.57	1.3	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.5 U	60	62	4.2	6.8	1.5 U	6.1	0.77	1.5	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.3 U	28	28	1.3 U	1.6 J	1.3 U	0.61 J	0.56	1.3	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.3 U	28	28	1.3 U	0.94 J	1.3 U	1.3 U	0.54	1.3	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.8 U	7.2	6.8	1.8 U	1.8 U	1.8 U	1.8 U	0.88	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.5 U	4.9	4.8	1.5 U	1.5 U	1.5 U	1.5 U	0.7	1.5	2.2
Perfluoroundecanoic acid (PFUnA)	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	0.85	1.8	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.65	1.3	2.2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.53	1.3	2.2
Perfluorotetradecanoic acid(PFTEDA)	EPA 537.1 M	ng/L	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.41	1.3	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.3 U	13	12	1.3 U	0.79 J	1.3 U	1.3 U	0.52	1.3	2.2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.8 U	15	15	1.8 U	1.8 U	1.8 U	1.8 U	0.8	1.8	2.2
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.3 U	93	90	1.3 U	3.1	1.3 U	1.3 U	0.58	1.3	2.2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.3 U	4.7	4.4	1.3 U	1.3 U	1.3 U	1.3 U	0.63	1.3	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.3 U	270 (1)	250 (1)	1.3 U	4.9	1.3 U	2.6	4.3	12	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.7	1.5	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.58	1.3	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.89	2.2	4.4
MeFOSAA	EPA 537.1 M	ng/L	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	1.3	3.3	4.4
EtFOSAA	EPA 537.1 M	ng/L	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	1.5	3.3	4.4
4:2 Fluorotelomer sulfonic 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	0.76	1.8	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.8 U	78	81	1.8 U	1.8 J	1.8 U	1.4 J	0.65	1.8	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	0.83	1.8	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.94	2.2	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.34	1.3	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.62	2.2	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.57	2.2	4.4

Note:

ng/L - nanograms per Liter or parts per trillion.
U - Undetected. Compound was analyzed for, but not detected.
J - Estimated result. Associated value may not be accurate or precise.
DL = Detection Limit
EFF = Effluent
FB= Field Blank
INF = Influent
LOD = Limit of Detection
LOQ = Limit of Quantitation
SANGB = Stewart Air National Guard Base
Sample SANG-FB-07052022 is a field blank.
Sample SANG-INF-07052022D is a field duplicate of SANG-INF-07052022.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.
PBG1 = post B train GAC Unit 1
PBG2 = post B train GAC Unit 2
PBR1 = post B train 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

(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.

TABLE 1 - COMBINED ANALYTICAL RESULTS

C2J4498V1 - 07/12/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		TDP677	TDP682	TDP683	TDP679	TDP681	TDP680	TDP678			
	Sampling Date		2022/07/12 08:00	2022/07/12 08:38	2022/07/12 08:38	2022/07/12 08:15	2022/07/12 08:30	2022/07/12 08:22	2022/07/12 08:08			
	Sample ID		**SANG-FB-07122022**	**SANG-INF-07122022**	**SANG-INF-07122022D**	**SANG-PCR1-07122022**	**SANG-PCG1-07122022**	**SANG-PCG2-07122022**	**SANG-EFF-07122022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	42	42	37	25	2.0 J	24	0.67	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.2 U	120 (1)	120 (1)	63	29	2	24	5.2	12	20
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.4 U	93	93	29	16	1.8 J	8.4	0.7	1.4	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.2 U	40	39	8.1	5.6	0.58 J	1.6 J	0.51	1.2	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.2 U	36	37	5.1	4.1	1.2 U	1.1 J	0.49	1.2	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	6.6	7	0.87 J	1.6 U	1.6 U	1.6 U	0.8	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.4 U	3	3.1	1.4 U	0.65 J	1.4 U	1.4 U	0.64	1.4	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	0.77	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.2 U	0.77 J	0.79 J	1.2 U	0.84 J	0.60 J	1.2 U	0.59	1.2	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.48	1.2	2
Perfluorotetradecanoic acid(PFTEDA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.37	1.2	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.2 U	21	21	2.4	3.1	1.2 U	1.2 U	0.47	1.2	2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.6 U	28	28	1.8 J	2.4	1.6 U	1.6 U	0.73	1.6	2
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.2 U	150 (1)	140 (1)	10	15	0.90 J	1.8 J	5.3	12	20
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.2 U	7.3	7.3	1.2 U	1.2 U	1.2 U	1.2 U	0.57	1.2	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.2 U	410 (1)	400 (1)	22	37	4.2	7	4.3	12	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.53	1.2	2
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	0.81	2	4
MeFOSAA	EPA 537.1 M	ng/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.2	3	4
EtFOSAA	EPA 537.1 M	ng/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.4	3	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.9 J	1.8 J	1.6 U	1.6 U	1.6 U	1.6 U	0.69	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	110 (1)	110 (1)	11	7.3	1.6 U	2.3 J	5.9	16	40
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	11	12	3.1 J	4.7	1.9 J	2.2 J	0.75	1.6	4
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	0.85	2	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.31	1.2	4
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	0.56	2	4
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	0.52	2	4

Note:

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

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

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

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

LOD = Limit of Detection

LOQ = Limit of Quantitation

SANGB = Stewart Air National Guard Base

Sample SANG-FB-07122022 is a field blank.

Sample SANG-INF-07122022D is a field duplicate of SANG-INF-07122022.

(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.

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

PCG1 = post C train GAC Unit 1

PCG2 = post C train GAC Unit 2

PCR1 = post C train 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 1 - COMBINED ANALYTICAL RESULTS

C2K2448V1 - 07/19/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	TFJ156	TFJ158	TFJ157			
		Sampling Date	2022/07/19 08:00	2022/07/19 08:10	2022/07/19 08:05			
		Sample ID	**SANG-FB-07192022**	**SANG-INF-07192022**	**SANG-EFF-07192022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**						
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	19	16	0.74	1.5	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.2 U	58	14	0.57	1.3	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.4 U	43	4.9	0.77	1.5	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.2 U	24	1.2 J	0.56	1.3	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.2 U	20	0.84 J	0.54	1.3	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	5.4	1.8 U	0.88	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.4 U	3.7	1.5 U	0.7	1.5	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	0.93 J	1.8 U	0.85	1.8	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.2 U	1.4 J	1.3 U	0.65	1.3	2.2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	1.2 U	0.66 J	1.3 U	0.53	1.3	2.2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.2 U	0.61 J	1.3 U	0.41	1.3	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.2 U	8.7	0.71 J	0.52	1.3	2.2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.6 U	10	1.8 U	0.8	1.8	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	50	0.87 J	0.58	1.3	2.2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.2 U	3.2	1.3 U	0.63	1.3	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.2 U	150 (1)	2.4	4.3	12	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	0.7	1.5	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.2 U	1.3 U	1.3 U	0.58	1.3	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	2.0 U	2.2 U	2.2 U	0.89	2.2	4.4
MeFOSAA	EPA 537.1 M	ng/L	3.0 U	3.3 U	3.3 U	1.3	3.3	4.4
EtFOSAA	EPA 537.1 M	ng/L	3.0 U	3.3 U	3.3 U	1.5	3.3	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.2 J	1.8 U	0.76	1.8	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	44	1.4 J	0.65	1.8	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	9.1	1.3 J	0.83	1.8	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	2.0 U	2.2 U	2.2 U	0.94	2.2	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.2 U	1.3 U	1.3 U	0.34	1.3	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	2.0 U	2.2 U	2.2 U	0.62	2.2	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	2.0 U	2.2 U	2.2 U	0.57	2.2	4.4

Note:
ng/L - nanograms per Liter or parts per trillion.
U - Undetected. Compound was analyzed for, but not detected.
J - Estimated result. Associated value may not be accurate or precise.
DL = Detection Limit
EFF = Effluent
FB= Field Blank
INF = Influent
LOD = Limit of Detection
LOQ = Limit of Quantitation
SANGB = Stewart Air National Guard Base
Effluent (EFF) = Treated water that has passed through the ISWTS
Influent (INF) = Untreated water from Recreational Pond
ISWTS = Interim Storm Water Treatment System
Sample SANG-FB-07192022 is a field blank.
Sample SANG-INF-07192022D is a field duplicate of SANG-INF-07192022.
(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.
Reduced number of samples collected due to concurrent media changeout activities. A total of three (3) samples were collected for this sampling event.

TABLE 1 - COMBINED ANALYTICAL RESULTS

C2L0749V1 - 07/26/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		THC976	THC981	THC982	THC978	THC980	THC979	THC977			
	Sampling Date		2022/07/26 08:00	2022/07/26 08:38	2022/07/26 08:38	2022/07/26 08:15	2022/07/26 08:30	2022/07/26 08:23	2022/07/26 08:08			
	Sample ID		**SANG-FB-07262022**	**SANG-INF-07262022**	**SANG-INF-07262022D**	**SANG-PDR1-07262022**	**SANG-PDG1-07262022**	**SANG-PDG2-07262022**	**SANG-EFF-07262022 (MS/MSD)**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	35	34	14	1.4 U	1.4 U	8.3	0.67	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.2 U	100 (1)	100 (1)	9	1.2 U	1.2 U	10	5.2	12	20
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.4 U	95	94	0.90 J	1.4 U	1.4 U	1.8 J	0.7	1.4	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.2 U	38	39	1.2 U	1.2 U	1.2 U	1.2 U	0.51	1.2	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.2 U	34	34	1.2 U	1.2 U	1.2 U	1.2 U	0.49	1.2	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	8.8	9	1.6 U	1.6 U	1.6 U	1.6 U	0.8	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.4 U	6	6.4	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	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	0.77	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.59	1.2	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.48	1.2	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.37	1.2	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.2 U	19	19	1.2 U	1.2 U	1.2 U	1.2 U	0.47	1.2	2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.6 U	19	22	1.6 U	1.6 U	1.6 U	1.6 U	0.73	1.6	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	97 (1)	100 (1)	1.2 U	1.2 U	1.2 U	1.2 U	5.3	12	20
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.2 U	6	6.1	1.2 U	1.2 U	1.2 U	1.2 U	0.57	1.2	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.2 U	310 (1)	300 (1)	1.2 U	1.2 U	1.2 U	1.2 U	4.3	12	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.53	1.2	2
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	0.81	2	4
MeFOSAA	EPA 537.1 M	ng/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.2	3	4
EtFOSAA	EPA 537.1 M	ng/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.4	3	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.3 J	1.1 J	1.6 U	1.6 U	1.6 U	1.6 U	0.69	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	83	88	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	9.6	9.9	1.6 U	1.6 U	1.6 U	1.6 U	0.75	1.6	4
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	0.85	2	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.31	1.2	4
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	0.56	2	4
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	0.52	2	4

Note:

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

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

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

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

LOD = Limit of Detection

LOQ = Limit of Quantitation

MS/MSD = matrix spike/matrix spike duplicate

SANGB = Stewart Air National Guard Base

Sample SANG-FB-07262022 is a field blank.

Sample SANG-INF-07262022D is a field duplicate of SANG-INF-07262022.

(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.

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

PDG1 = post D train GAC Unit 1

PDG2 = post D train GAC Unit 2

PDR1 = post D train 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 1 - COMBINED ANALYTICAL RESULTS

C2L7392V1 - 08/02/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	TIO532	TIO537	TIO538	TIO534	TIO536	TIO535	TIO533			
		Sampling Date	2022/08/02 08:00	2022/08/02 08:30	2022/08/02 08:30	2022/08/02 08:15	2022/08/02 08:27	2022/08/02 08:21	2022/08/02 08:05			
		Sample ID	**SANG-FB-08022022**	**SANG-INF-08022022**	**SANG-INF-08022022D**	**SANG-PAR1-08022022**	**SANG-PAG1-08022022**	**SANG-PAG2-08022022**	**SANG-EFF-08022022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	37	35	9.1	1.3 J	0.90 J	6.1	0.87	1.8	2.6
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.2 U	130 (1)	110	6	1.6 J	0.89 J	7.5	0.68	1.6	2.6
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.4 U	98	92	1.3 J	1.2 J	1.5 U	2.0 J	0.91	1.8	2.6
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.2 U	39	36	1.0 J	1.1 J	1.3 U	1.0 J	0.66	1.6	2.6
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.2 U	34	32	1.3 U	0.98 J	1.3 U	1.3 U	0.64	1.6	2.6
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	9.2	8.6	1.8 U	1.8 U	1.8 U	1.8 U	1	2.1	2.6
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.4 U	6.5	6	1.5 U	1.5 U	1.5 U	1.5 U	0.83	1.8	2.6
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.6 U	1.4 J	1.4 J	1.8 U	1.8 U	1.8 U	1.8 U	1	2.1	2.6
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.2 U	1.6 J	1.5 J	1.3 U	1.3 U	1.3 U	1.3 U	0.77	1.6	2.6
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	1.2 U	0.92 J	0.90 J	1.3 U	1.3 U	1.3 U	1.3 U	0.62	1.6	2.6
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.2 U	1.0 J	1.0 J	1.3 U	1.3 U	1.3 U	1.3 U	0.48	1.6	2.6
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.2 U	21	20	1.3 U	0.88 J	1.3 U	1.3 U	0.61	1.6	2.6
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.6 U	26	24	1.8 U	1.8 U	1.8 U	1.8 U	0.95	2.1	2.6
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	110	100	1.3 U	0.95 J	1.3 U	1.3 U	0.69	1.6	2.6
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.2 U	7.6	6.9	1.3 U	1.3 U	1.3 U	1.3 U	0.74	1.6	2.6
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.2 U	340 (1)	340 (1)	0.92 J	1.2 J	0.84 J	0.90 J	4.3	12	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.6 U	1.8 U	1.5 U	1.5 U	1.5 U	1.5 U	0.83	1.8	2.6
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.2 U	1.4 U	1.6 U	1.3 U	1.3 U	1.3 U	1.3 U	0.69	1.6	2.6
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	2.0 U	1.1 J	2.6 U	2.2 U	2.2 U	2.2 U	2.2 U	1.1	2.6	5.2
MeFOSAA	EPA 537.1 M	ng/L	3.0 U	3.5 U	3.9 U	3.3 U	3.3 U	3.3 U	3.3 U	1.6	3.9	5.2
EtFOSAA	EPA 537.1 M	ng/L	3.0 U	3.5 U	3.9 U	3.3 U	3.3 U	3.3 U	3.3 U	1.8	3.9	5.2
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	2.5 J	2.5 J	1.8 U	1.8 U	1.8 U	1.8 U	0.9	2.1	5.2
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	92	83	0.91 J	0.96 J	1.8 U	0.93 J	0.77	2.1	5.2
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	11	10	1.8 U	1.8 U	1.8 U	1.8 U	0.98	2.1	5.2
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	2.0 U	1.4 J	1.5 J	2.2 U	2.2 U	2.2 U	2.2 U	1.1	2.6	5.2
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.2 U	1.4 U	1.6 U	1.3 U	1.3 U	1.3 U	1.3 U	0.4	1.6	5.2
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	2.0 U	0.88 J	2.6 U	2.2 U	2.2 U	2.2 U	2.2 U	0.73	2.6	5.2
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	2.0 U	2.3 U	2.6 U	2.2 U	2.2 U	2.2 U	2.2 U	0.68	2.6	5.2

Note:

ng/L - nanograms per Liter or parts per trillion.
U - Undetected. Compound was analyzed for, but not detected.
J - Estimated result. Associated value may not be accurate or precise.
DL = Detection Limit
EFF = Effluent
FB= Field Blank
INF = Influent
LOD = Limit of Detection
LOQ = Limit of Quantitation
SANGB = Stewart Air National Guard Base
Sample SANG-FB-08022022 is a field blank.
Sample SANG-INF-08022022D is a field duplicate of SANG-INF-08022022.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.
PAG1 = post A train GAC Unit 1
PAG2 = post A train GAC Unit 2
PAR1 = post A train 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

(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.

TABLE 1 - COMBINED ANALYTICAL RESULTS

C2N3098V1 - 08/16/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	TLV138	TLV143	TLV144	TLV140	TLV142	TLV141	TLV139			
		Sampling Date	2022/08/16 08:00	2022/08/16 08:30	2022/08/16 08:30	2022/08/16 08:13	2022/08/16 08:26	2022/08/16 08:19	2022/08/16 08:05			
		Sample ID	**SANG-FB-08162022**	**SANG-INF-08162022**	**SANG-INF-08162022D**	**SANG-PBR1-08162022**	**SANG-PBG1-08162022**	**SANG-PBG2-08162022**	**SANG-EFF-08162022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1	ng/L	1.4 U	66	65	7.7	4.2	1.5 U	5.4	0.74	1.5	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1	ng/L	1.2 U	170 (1)	170 (1)	15	5.8	1.3 U	5.8	5.2	12	20
Perfluorohexanoic acid (PFHxA)	EPA 537.1	ng/L	1.4 U	150 (1)	150 (1)	3.2	3.3	1.5 U	1.2 J	7	14	20
Perfluoroheptanoic acid (PFHpA)	EPA 537.1	ng/L	1.2 U	62	60	1.3 U	1.2 J	1.3 U	1.3 U	0.56	1.3	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1	ng/L	1.2 U	61	58	1.3 U	0.77 J	1.3 U	1.3 U	0.54	1.3	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1	ng/L	1.6 U	12	12	1.8 U	1.8 U	1.8 U	1.8 U	0.88	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1	ng/L	1.4 U	7.3	6.8	1.5 U	1.5 U	1.5 U	1.5 U	0.7	1.5	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1	ng/L	1.6 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	0.85	1.8	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1	ng/L	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.65	1.3	2.2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1	ng/L	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.53	1.3	2.2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1	ng/L	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.41	1.3	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1	ng/L	1.2 U	37	37	1.3 U	0.86 J	1.3 U	1.3 U	0.52	1.3	2.2
Perfluoropentanesulfonic acid PFPes	EPA 537.1	ng/L	1.6 U	44	44	1.8 U	1.8 U	1.8 U	1.8 U	0.8	1.8	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1	ng/L	1.2 U	200 (1)	200 (1)	1.3 U	2.2 J	1.3 U	1.3 U	5.3	12	20
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1	ng/L	1.2 U	12	11	1.3 U	1.3 U	1.3 U	1.3 U	0.63	1.3	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1	ng/L	1.2 U	480 (1)	450 (1)	1.6 J	5.3	1.8 J	1.2 J	4.3	12	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.7	1.5	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1	ng/L	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.58	1.3	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1	ng/L	2.0 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.89	2.2	4.4
MeFOSAA	EPA 537.1	ng/L	3.0 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	1.3	3.3	4.4
EtFOSAA	EPA 537.1	ng/L	3.0 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	1.5	3.3	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1	ng/L	1.6 U	2.4 J	2.4 J	1.8 U	1.8 U	1.8 U	1.8 U	0.76	1.8	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1	ng/L	1.6 U	76	66	1.8 U	1.3 J	1.8 U	1.8 U	0.65	1.8	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1	ng/L	1.6 U	6.6	6	0.90 J	1.1 J	1.2 J	0.87 J	0.83	1.8	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1	ng/L	2.0 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.94	2.2	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1	ng/L	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.34	1.3	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1	ng/L	2.0 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.62	2.2	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1	ng/L	2.0 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.57	2.2	4.4

Note:

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

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

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

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

LOD = Limit of Detection

LOQ = Limit of Quantitation

SANGB = Stewart Air National Guard Base

Sample SANG-FB-08162022 is a field blank.

Sample SANG-INF-08162022D is a field duplicate of SANG-INF-08162022.

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

PBG1 = post B train GAC Unit 1

PBG2 = post B train GAC Unit 2

PBR1 = post B train 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

(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.

TABLE 1 - COMBINED ANALYTICAL RESULTS

C2O1351V1 - 08/23/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	TNP048	TNP053	TNP054	TNP050	TNP052	TNP051	TNP049			
		Sampling Date	2022/08/23 08:30	2022/08/23 09:00	2022/08/23 09:00	2022/08/23 08:43	2022/08/23 08:57	2022/08/23 08:50	2022/08/23 08:35			
		Sample ID	**SANG-FB-08232022**	**SANG-INF-08232022**	**SANG-INF-08232022D**	**SANG-PCG3-08232022**	**SANG-PCG1-08232022**	**SANG-PCG2-08232022**	**SANG-EFF-08232022 MS/MSD**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	46	46	1.4 U	1.4 U	1.4 U	4.8	0.67	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.2 U	130 (1)	140 (1)	1.2 U	0.73 J	1.2 U	4.7	5.2	12	20
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.4 U	110 (1)	120 (1)	1.4 U	1.4 U	1.4 U	0.89 J	7	14	20
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.2 U	48	46	1.2 U	1.2 U	1.2 U	1.2 U	0.51	1.2	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.2 U	44	42	1.2 U	1.2 U	1.2 U	1.2 U	0.49	1.2	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	8.9	8.3	1.6 U	1.6 U	1.6 U	1.6 U	0.8	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.4 U	7	7.2	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	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	0.77	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.2 U	0.85 J	1.2 J	1.2 U	1.2 U	1.2 U	1.2 U	0.59	1.2	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.48	1.2	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.37	1.2	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.2 U	23	24	1.2 U	1.2 U	1.2 U	1.2 U	0.47	1.2	2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.6 U	30	32	1.6 U	1.6 U	1.6 U	1.6 U	0.73	1.6	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	140 (1)	140 (1)	1.2 U	1.2 U	1.2 U	1.2 U	5.3	12	20
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.2 U	9.3	9	1.2 U	1.2 U	1.2 U	1.2 U	0.57	1.2	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.2 U	380 (1)	360 (1)	1.2 U	1.2 U	1.2 U	1.2 U	4.3	12	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.53	1.2	2
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	0.81	2	4
MeFOSAA	EPA 537.1 M	ng/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.2	3	4
EtFOSAA	EPA 537.1 M	ng/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.4	3	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.4 J	1.5 J	1.6 U	1.6 U	1.6 U	1.6 U	0.69	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	71	75	1.6 U	1.6 U	1.6 U	1.6 U	0.59	1.6	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	11	16	1.6 U	1.6 U	1.6 U	1.6 U	0.75	1.6	4
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	0.85	2	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.31	1.2	4
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	0.56	2	4
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	0.52	2	4

Note:

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

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

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

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

LOD = Limit of Detection

LOQ = Limit of Quantitation

SANGB = Stewart Air National Guard Base

Sample SANG-FB-08232022 is a field blank.

Sample SANG-INF-08232022D is a field duplicate of SANG-INF-08232022.

(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.

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

PCG1 = post C train GAC Unit 1

PCG2 = post C train GAC Unit 2

PCR1 = post C train 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 1 - COMBINED ANALYTICAL RESULTS

C2O9425V1 - 08/30/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

		Bureau Veritas ID	TPI629	TPI634	TPI635	TPI631	TPI633	TPI632	TPI630			
		Sampling Date	2022/08/30 08:00	2022/08/30 08:30	2022/08/30 08:30	2022/08/30 08:12	2022/08/30 08:25	2022/08/30 08:18	2022/08/30 08:05			
		Sample ID	**SANG-FB-08302022**	**SANG-INF-08302022**	**SANG-INF-08302022D**	**SANG-PDR1-08302022**	**SANG-PDG1-08302022**	**SANG-PDG2-08302022**	**SANG-EFF-08302022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	49	49	7.7	8.4	1.5 U	8.6	0.74	1.5	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.2 U	140 (1)	150 (1)	5.2	14	0.60 J	7	5.2	12	20
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.4 U	120 (1)	120 (1)	1.5 U	7.9	1.5 U	1.4 J	7	14	20
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.2 U	51	50	1.3 U	2.5	1.3 U	1.3 U	0.56	1.3	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.2 U	46	48	1.3 U	1.9 J	1.3 U	1.3 U	0.54	1.3	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	9.6	9.8	1.8 U	1.8 U	1.8 U	1.8 U	0.88	1.8	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.4 U	6.5	6.5	1.5 U	1.5 U	1.5 U	1.5 U	0.7	1.5	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	0.85	1.8	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.2 U	0.76 J	0.74 J	1.3 U	1.3 U	1.3 U	1.3 U	0.65	1.3	2.2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.53	1.3	2.2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.41	1.3	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.2 U	29	29	1.3 U	1.5 J	1.3 U	1.3 U	0.52	1.3	2.2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.6 U	36	37	1.8 U	0.94 J	1.8 U	1.8 U	0.8	1.8	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	160 (1)	160 (1)	1.3 U	4.8	1.3 U	1.3 U	5.3	12	20
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.2 U	9.7	10	1.3 U	1.3 U	1.3 U	1.3 U	0.63	1.3	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.2 U	380 (1)	400 (1)	0.67 J	8.9	1.3 U	1.3 U	4.3	12	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.7	1.5	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.58	1.3	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	2.0 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.89	2.2	4.4
MeFOSAA	EPA 537.1 M	ng/L	3.0 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	1.3	3.3	4.4
EtFOSAA	EPA 537.1 M	ng/L	3.0 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	3.3 U	1.5	3.3	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	1.9 J	1.9 J	1.8 U	1.8 U	1.8 U	1.8 U	0.76	1.8	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	87	88	1.8 U	2.1 J	1.8 U	1.8 U	0.65	1.8	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	11	11	1.8 U	1.8 U	1.8 U	1.8 U	0.83	1.8	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	2.0 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.94	2.2	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.2 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.34	1.3	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	2.0 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.62	2.2	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	2.0 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	0.57	2.2	4.4

Note:

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

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

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

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

LOD = Limit of Detection

LOQ = Limit of Quantitation

SANGB = Stewart Air National Guard Base

Sample SANG-FB-08302022 is a field blank.

Sample SANG-INF-08302022D is a field duplicate of SANG-INF-08302022.

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

PDG1 = post D train GAC Unit 1

PDG2 = post D train GAC Unit 2

PDR1 = post D train 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

(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.

TABLE 1 - COMBINED ANALYTICAL RESULTS

C2P7539V1 - 09/07/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

Bureau Veritas ID			TRC852	TRC857	TRC858	TRC854	TRC856	TRC855	TRC853			
Sampling Date			2022/09/07 08:00	2022/09/07 08:28	2022/09/07 08:28	2022/09/07 08:11	2022/09/07 08:22	2022/09/07 08:17	2022/09/07 08:05			
Sample ID			**SANG-FB-09072022**	**SANG-INF-09072022**	**SANG-INF-09072022D**	**SANG-PAR1-09072022**	**SANG-PAG1-09072022**	**SANG-PAG2-09072022**	**SANG-EFF-09072022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**										
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	17	17	6.2	4.8	1.0 J	8.1	0.67	1.4	2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	1.2 U	37	39	3.8	6.6	0.92 J	8.4	0.52	1.2	2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	1.4 U	27	27	1.4 U	3.4	1.4 U	2.4	0.7	1.4	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.2 U	21	21	1.2 U	1.3 J	1.2 U	0.75 J	0.51	1.2	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.2 U	16	17	1.2 U	0.86 J	1.2 U	0.52 J	0.49	1.2	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.6 U	6.4	7.3	1.6 U	1.6 U	1.6 U	1.6 U	0.8	1.6	2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.4 U	4.1	4.2	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	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	0.77	1.6	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.59	1.2	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.48	1.2	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.37	1.2	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.2 U	5.8	6.1	1.2 U	0.85 J	1.2 U	1.2 U	0.47	1.2	2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.6 U	8.7	8.1	1.6 U	0.98 J	1.6 U	1.6 U	0.73	1.6	2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.2 U	33	33	1.2 U	2	1.2 U	1.2 U	0.53	1.2	2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.57	1.2	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.2 U	88	87	1.2 U	3	1.2 U	0.80 J	0.43	1.2	2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.64	1.4	2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.53	1.2	2
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	0.81	2	4
MeFOSAA	EPA 537.1 M	ng/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.2	3	4
EtFOSAA	EPA 537.1 M	ng/L	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	1.4	3	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	0.69	1.6	4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	27	27	1.6 U	1.4 J	1.6 U	1.6 U	0.59	1.6	4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.6 U	6.5	6.5	1.6 U	1.6 U	1.6 U	1.6 U	0.75	1.6	4
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	0.85	2	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.31	1.2	4
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	0.56	2	4
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	0.52	2	4

Note:
ng/L - nanograms per Liter or parts per trillion.
U - Undetected. Compound was analyzed for, but not detected.
J - Estimated result. Associated value may not be accurate or precise.
DL = Detection Limit
EFF = Effluent
FB= Field Blank
INF = Influent
LOD = Limit of Detection
LOQ = Limit of Quantitation
SANGB = Stewart Air National Guard Base
Sample SANG-FB-09072022 is a field blank.
Sample SANG-INF-09072022D is a field duplicate of SANG-INF-09072022.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.
PAG1 = post A train GAC Unit 1
PAG2 = post A train GAC Unit 2
PAR1 = post A train 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 1 - COMBINED ANALYTICAL RESULTS

C2Q4334V1 - 09/13/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		TSQ129	TSQ137	TSQ138	TSQ132	TSQ136	TSQ134	TSQ135	TSQ133	TSQ131	TSQ130			
	Sampling Date		2022/09/13 07:53	2022/09/13 08:35	2022/09/13 08:35	2022/09/13 08:10	2022/09/13 08:30	2022/09/13 08:20	2022/09/13 08:25	2022/09/13 08:15	2022/09/13 08:05	2022/09/13 08:00			
	Sample ID		**SANG-FB-09132022**	**SANG-INF-09132022**	**SANG-INF-09132022D**	**SANG-PBR1-09132022**	**SANG-PBG1-09132022**	**SANG-PBG2-09132022**	**SANG-PCG1-09132022**	**SANG-PCG2-09132022**	**SANG-PCG3-09132022**	**SANG-EFF-09132022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**													
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	34	34	22	3.4	1.4 U	1.6 J	1.4 U	1.4 U	16	0.77	1.8	2.6
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	100	110	37	7.2	0.61 J	1.1 J	0.49 J	0.40 J	20	0.29	0.91	2.6
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.23 J (1)	90	84	16	4.4	0.31 J	0.70 J (1)	0.32 J (1)	0.23 J (1)	5.8	0.2	0.7	2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	51	49	5	2.2	0.33 J (1)	0.45 J	1.0 U	1.0 U	1.6 J	0.28	1	2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	38	37	3.2	1.6 J	1.0 U	0.42 J	1.0 U	1.0 U	0.89 J	0.41	1	2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	8.4	8.3	0.86 J	0.46 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.46	1.3	2.6
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	7.2	7.2	0.72 J	0.56 J	0.36 J	0.40 J	1.0 U	1.0 U	0.39 J	0.38	1.3	2.6
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	1.1 J	1.2 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37	1	2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.2 J	1.2 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.48	1	2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.24	0.7	2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	0.53 J	0.57 J	1.0 U	1.0 U	0.44 J (1)	1.0 U	1.0 U	1.0 U	1.0 U	0.39	1	2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	14	14	1.2 J	0.77 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	0.27	1	2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.0 U	16	16	0.88 J	0.50 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.44	1.3	2.6
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	94	94	3.8	3.6	1.0 U	0.78 J	1.0 U	1.0 U	1.4 J	0.36	1.3	2.6
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.0 U	7.2	6.7	0.70 J	0.71 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.43	1	2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	290 (2)	250 (2)	11	7.7	0.87 J	1.6 J	1.0 U	1.0 U	2.2	4.7	10	20
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.8 U	1.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.83	1.8	2.6
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.8 U	1.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.78	1.8	2.6
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	0.82 J (1)	0.84 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.4	1.4	4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.7	1.4	4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.54	1.4	4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	1.6 J	1.4 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.61	1.8	5.3
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	75	77	5.8	2.4 J	1.4 U	1.4 U	1.4 U	1.4 U	1.1 J	0.82	1.8	5.3
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	10	11	0.91 J	0.63 J (1)	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.69	1.8	5.3
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.41	1.4	4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.12	0.4	4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.3 U	1.3 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.55	1.3	5.3
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.32	1	4

Note:

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

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

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

DL = Detection Limit

EFF = Effluent

FB= Field Blank

INF = Influent

LOD = Limit of Detection

LOQ = Limit of Quantitation

SANGB = Stewart Air National Guard Base

Sample SANG-FB-09132022 is a field blank.

Sample SANG-INF-09132022D is a field duplicate of SANG-INF-09132022.

(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.

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

PBG1 = post B train GAC Unit 1

PBG2 = post B train GAC Unit 2

PBG3 = post B train GAC Unit 3

PBR1 = post B train 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 1 - COMBINED ANALYTICAL RESULTS

C2R2114V1 - 09/20/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		TUF856	TUF861	TUF862	TUF858	TUF910	TUF907	TUF905	TUF860	TUF859	TUF857			
	Sampling Date		2022/09/20 08:55	2022/09/20 09:30	2022/09/20 09:30	2022/09/20 09:08	2022/09/20 09:21	2022/09/20 09:16	2022/09/20 09:09	2022/09/20 09:20	2022/09/20 09:15	2022/09/20 09:00			
	Sample ID		**SANG-FB-09202022**	**SANG-INF-09202022**	**SANG-INF-09202022D**	**SANG-PDR1-09202022**	**SANG-PCG1-09202022**	**SANG-PCG2-09202022**	**SANG-PCG3-09202022**	**SANG-PDG1-09202022**	**SANG-PDG2-09202022**	**SANG-EFF-09202022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**													
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	38	38	8.6	2.7	1.5 U	1.5 U	3.9	1.5 U	16	0.65	1.5	2.2
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	120 (2)	120 (2)	5.2	1.5 J	0.82 J	0.26 J	7.7	0.46 J	23	0.24	0.77	2.2
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	91	87	0.59 J	0.80 J	0.55 J	0.77 U	4.6	0.35 J (1)	8.5	0.22	0.77	2.2
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	46	46	1.1 U	0.45 J	0.34 J	1.1 U	2.1 J	1.1 U	2.5	0.31	1.1	2.2
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	39	37	1.1 U	1.1 U	1.1 U	1.1 U	1.2 J	1.1 U	1.3 J	0.45	1.1	2.2
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	8.8	8.4	1.1 U	1.1 U	1.1 U	1.1 U	0.46 J	1.1 U	0.40 J	0.39	1.1	2.2
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	8.2	8.3	1.1 U	0.39 J (1)	1.1 U	1.1 U	0.54 J	1.1 U	0.42 J (1)	0.32	1.1	2.2
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	1.0 J	0.86 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.41	1.1	2.2
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	0.96 J	0.95 J	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.53	1.1	2.2
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.77 U	0.26	0.77	2.2
Perfluorotetradecanoic acid (PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.43	1.1	2.2
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	16	16	1.1 U	1.1 U	1.1 U	1.1 U	0.75 J	1.1 U	0.95 J	0.3	1.1	2.2
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.0 U	21	21	1.1 U	0.41 J	1.1 U	1.1 U	0.89 J	1.1 U	0.83 J	0.37	1.1	2.2
Perfluorohexanesulfonic acid (PFHxS)	EPA 537.1 M	ng/L	1.0 U	100	97	1.1 U	1.1 U	1.1 U	1.1 U	2.8	1.1 U	2.4	0.31	1.1	2.2
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.0 U	6.2	6.2	1.1 U	1.1 U	1.1 U	1.1 U	0.53 J	1.1 U	1.1 U	0.47	1.1	2.2
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	270 (2)	280 (2)	1.1 U	1.2 J	0.52 J	1.1 U	6.9	1.1 U	4.7	0.52	1.1	2.2
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.7	1.5	2.2
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.66	1.5	2.2
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	0.55 J	0.60 J (1)	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.44	1.5	4.4
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.77	1.5	4.4
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.59	1.5	4.4
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	1.6 J	1.5 J	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.52	1.5	4.4
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	84	84	1.5 U	1.5 U	1.5 U	1.9 J	2.3 J	1.7 J	2.2 J	0.69	1.5	4.4
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	18	19	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.58	1.5	4.4
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.45	1.5	4.4
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.13	0.44	4.4
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.46	1.1	4.4
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.35	1.1	4.4

Notes:

ng/L - nanograms per Liter or parts per trillion.
U - Undetected. Compound was analyzed for, but not detected.
J - Estimated result. Associated value may not be accurate or precise.
DL = Detection Limit
EFF = Effluent
FB= Field Blank
INF = Influent
LOD = Limit of Detection
LOQ = Limit of Quantitation
SANGB = Stewart Air National Guard Base
Sample SANG-FB-09202022 is a field blank.
Sample SANG-INF-09202022D is a field duplicate of SANG-INF-09202022.
(1) The transition mass ratio for the indicated analyte was outside the established limits; however, there is no direct correlation to the bias regardless of whether the ratio is above or below established limits.
(2) Due to high concentration of the target analyte, a reduced sample volume was extracted and analyzed. Detection limit was adjusted accordingly (10x).

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.
PDG1 = post D train GAC Unit 1
PDG2 = post D train GAC Unit 2
PDR1 = post D train 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 1 - COMBINED ANALYTICAL RESULTS

C2S0611 - 09/27/2022

RESULTS OF ANALYSES OF WATER **VALIDATED DATA**

	Bureau Veritas ID		TWA554	TWA559	TWA560	TWA556	TWA558	TWA557	TWA749	TWA748	TWA747	TWA555			
	Sampling Date		2022/09/27 08:15	2022/09/27 08:40	2022/09/27 08:40	2022/09/27 08:25	2022/09/27 08:37	2022/09/27 08:31	2022/09/27 08:38	2022/09/27 08:32	2022/09/27 08:26	2022/09/27 08:20			
	Sample ID		**SANG-FB-09272022**	**SANG-INF-09272022**	**SANG-INF-09272022D**	**SANG-PAR1-09272022**	**SANG-PAG1-09272022**	**SANG-PAG2-09272022**	**SANG-PCG1-09272022**	**SANG-PCG2-09272022**	**SANG-PCG3-09272022**	**SANG-EFF-09272022**	**DL**	**LOD**	**LOQ**
Perfluorinated Compounds	**Method**	**UNITS**													
Perfluorobutanoic acid (PFBA)	EPA 537.1 M	ng/L	1.4 U	32	32	9.4	4.1	1.4 U	4.3	1.4 U	1.4 U	16	0.62	1.5	2.1
Perfluoropentanoic acid (PFPeA)	EPA 537.1 M	ng/L	0.70 U	93	92	4.9	8.1	0.57 J	3	0.28 J	0.70 U	23	0.23	0.74	2.1
Perfluorohexanoic acid (PFHxA)	EPA 537.1 M	ng/L	0.70 U	68	68	0.31 J	4.5	0.24 J	1.5 J	0.70 U	0.70 U	8.3	0.21	0.74	2.1
Perfluoroheptanoic acid (PFHpA)	EPA 537.1 M	ng/L	1.0 U	38	38	1.0 U	1.8 J	1.0 U	0.39 J	1.0 U	1.0 U	2.3	0.29	1.1	2.1
Perfluorooctanoic acid (PFOA)	EPA 537.1 M	ng/L	1.0 U	28	28	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	0.43	1.1	2.1
Perfluorononanoic acid (PFNA)	EPA 537.1 M	ng/L	1.0 U	5.8	5.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37	1.1	2.1
Perfluorodecanoic acid (PFDA)	EPA 537.1 M	ng/L	1.0 U	4	3.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3	1.1	2.1
Perfluoroundecanoic acid (PFUnA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.39	1.1	2.1
Perfluorododecanoic acid (PFDoA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5	1.1	2.1
Perfluorotridecanoic acid (PFTRDA)	EPA 537.1 M	ng/L	0.70 U	0.74 U	0.74 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.25	0.74	2.1
Perfluorotetradecanoic acid(PFTEDA)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.41	1.1	2.1
Perfluorobutanesulfonic acid (PFBS)	EPA 537.1 M	ng/L	1.0 U	13	13	1.0 U	0.77 J	1.0 U	1.0 U	1.0 U	1.0 U	0.83 J	0.28	1.1	2.1
Perfluoropentanesulfonic acid PFPes	EPA 537.1 M	ng/L	1.0 U	16	16	1.0 U	0.49 J	1.0 U	1.0 U	1.0 U	1.0 U	0.41 J	0.36	1.1	2.1
Perfluorohexanesulfonic acid(PFHxS)	EPA 537.1 M	ng/L	1.0 U	80	82	1.0 U	2.7	1.0 U	0.76 J	1.0 U	1.0 U	2.1	0.29	1.1	2.1
Perfluoroheptanesulfonic acid PFHpS	EPA 537.1 M	ng/L	1.0 U	3.4	3.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.45	1.1	2.1
Perfluorooctanesulfonic acid (PFOS)	EPA 537.1 M	ng/L	1.0 U	160 (1)	160 (1)	0.50 J	5.9	0.63 J	2.5	1.0 U	1.0 U	4.1	4.9	11	21
Perfluorononanesulfonic acid (PFNS)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.67	1.5	2.1
Perfluorodecanesulfonic acid (PFDS)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.63	1.5	2.1
Perfluorooctane Sulfonamide (PFOSA)	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.42	1.5	4.2
MeFOSAA	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.74	1.5	4.2
EtFOSAA	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.57	1.5	4.2
4:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	0.99 J	1.1 J	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.49	1.5	4.2
6:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	0.94 J	72	72	2.3 J	2.6 J	1.6 J	1.4 U	1.4 U	1.4 U	3.0 J	0.66	1.5	4.2
8:2 Fluorotelomer sulfonic acid	EPA 537.1 M	ng/L	1.4 U	8.5	7.8	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.56	1.5	4.2
Hexafluoropropyleneoxide dimer acid	EPA 537.1 M	ng/L	1.4 U	1.5 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	0.43	1.5	4.2
4,8-Dioxa-3H-perfluorononanoic acid	EPA 537.1 M	ng/L	0.40 U	0.42 U	0.42 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.13	0.42	4.2
9Cl-PF3ONS (F-53B Major)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.44	1.1	4.2
11Cl-PF3OUdS (F-53B Minor)	EPA 537.1 M	ng/L	1.0 U	1.1 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.34	1.1	4.2

Notes:

ng/L - nanograms per Liter or parts per trillion.
U - Undetected. Compound was analyzed for, but not detected.
J - Estimated result. Associated value may not be accurate or precise.
DL = Detection Limit
EFF = Effluent
FB= Field Blank
INF = Influent
LOD = Limit of Detection
LOQ = Limit of Quantitation
SANGB = Stewart Air National Guard Base
Sample SANG-FB-09272022 is a field blank.
Sample SANG-INF-09272022D is a field duplicate of SANG-INF-09272022.
(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.

Sample ports located in each of the 4 trains; A, B, C, D. such as: PBG1= post B train GAC unit 1.
PAG1 = post A train GAC Unit 1
PAG2 = post A train GAC Unit 2
PAR1 = post A train 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	**Sampling Date**	**Influent (mg/L)**	**PDG2 Effluent (mg/L)**	**Effluent (mg/L)**
Diethylene glycol	8/23/2022	<52	<52	<52
Ethylene glycol		<10	<10	<10
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	8/23/2022	4.70	0.91	3.80

TABLE 3 - PREVENTIVE MAINTENANCE

Date	Primary Bag Filter Change and Type of Filters Installed	Secondary Bag Filter Change and Type of Filters Installed	Treatment Process Backwashed	Sand Filter Cleaning or Changeout	Media Change Out	Resin Vessel Skimming
7/1/2022	25 Micron Pleated	10 Micron Pleated				
7/4/2022	25 Micron Regular	10 Micron Regular	Primary Carbon vessels A, B, C, & D			
7/5/2022		10 Micron Regular				
7/6/2022		10 Micron Regular	Secondary Carbon vessels A, B, C, & D			
7/7/2022	25 Micron Pleated	10 Micron Pleated	Primary Carbon vessels A, B, C, & D			
7/8/2022	25 Micron Pleated	10 Micron Pleated				
7/11/2022	25 Micron Pleated	10 Micron Pleated	Primary Carbon vessels A, B, C, & D			
7/12/2022						
7/13/2022				Coarse Sand (2A&2B) media changed		
7/14/2022				Fine Sand (3A/3B) media changed	START Carbon/Resin media change	
7/15/2022	25 Micron Pleated	10 Micron Pleated		Fine Sand (4A/4B) media changed		
7/18/2022			Primary Carbon vessels A, B, C, & D	Fine Sand (5A/4B) media changed	Train A GAC media changed	
7/19/2022						
7/20/2022			Primary Carbon vessels A, B, C, & D		Train B GAC media changed	

TABLE 3 - PREVENTIVE MAINTENANCE

Date	Primary Bag Filter Change and Type of Filters Installed	Secondary Bag Filter Change and Type of Filters Installed	Treatment Process Backwashed	Sand Filter Cleaning or Changeout	Media Change Out	Resin Vessel Skimming
7/21/2022	25 Micron Pleated	10 Micron Regular				
7/22/2022		10 Micron Pleated	Primary Carbon vessels A, B, C, & D		Train C and D Media Changed	
7/25/2022	25 Micron Pleated			Coarse Sand (1A&1B) media changed		
7/26/2022	25 Micron Pleated	10 Micron Pleated	Primary Carbon vessels A, B, C, & D			
7/27/2022	25 Micron Pleated	10 Micron Pleated				
7/28/2022	25 Micron Regular	10 Micron Regular				
7/29/2022	25 Micron Pleated					
8/1/2022	25 Micron Pleated	10 Micron Pleated	Primary Carbon vessels A, B, C, & D			
8/2/2022		10 Micron Pleated				
8/3/2022	25 Micron Pleated		Secondary Carbon vessels A, B, C, & D			
8/4/2022		10 Micron Pleated				
8/5/2022	25 Micron Pleated		Secondary Carbon vessels A, B, C, & D			
8/11/2022		10 Micron Regular				

TABLE 3 - PREVENTIVE MAINTENANCE

Date	Primary Bag Filter Change and Type of Filters Installed	Secondary Bag Filter Change and Type of Filters Installed	Treatment Process Backwashed	Sand Filter Cleaning or Changeout	Media Change Out	Resin Vessel Skimming
8/12/2022	25 Micron Pleated		Primary Carbon vessels A, B, C, & D			
8/15/2022		10 Micron Regular	Primary Carbon vessels A, B, C, & D			
8/16/2022		10 Micron Pleated				
8/17/2022	25 Micron Regular	10 Micron Regular	Secondary Carbon vessels A, B, C, & D			
8/18/2022		10 Micron Regular				
8/19/2022		10 Micron Pleated	Primary Carbon vessels A, B, C, & D			
8/22/2022	25 Micron Regular	10 Micron Regular				
8/23/2022		10 Micron Pleated				
8/24/2022	25 Micron Regular	10 Micron Regular	Primary Carbon vessels A, B, C, & D			
8/25/2022		10 Micron Regular	Secondary Carbon vessels A, B, C, & D			
8/26/2022	25 Micron Pleated					
8/29/2022		10 Micron Pleated	Primary Carbon vessels A, B, C, & D			
8/30/2022						
8/31/2022		10 Micron Regular				Approximately 30 gallons skimmed from all Resin trains
9/1/2022		10 Micron Regular (Twice)	Secondary Carbon vessels A, B, C, & D			

TABLE 3 - PREVENTIVE MAINTENANCE

Date	Primary Bag Filter Change and Type of Filters Installed	Secondary Bag Filter Change and Type of Filters Installed	Treatment Process Backwashed	Sand Filter Cleaning or Changeout	Media Change Out	Resin Vessel Skimming
9/2/2022	25 Micron Pleated	10 Micron Regular (Twice)	Primary Carbon vessels A, B, C, & D			
9/6/2022		10 Micron Regular	Primary Carbon vessels A, B, C, & D			
9/7/2022		10 Micron Regular				
9/8/2022		10 Micron Regular		Coarse Sand (1A&1B) media changed		
9/9/2022	25 Micron Pleated	10 Micron Pleated				
9/12/2022	25 Micron Regular		Primary Carbon vessels A, B, C, & D			
9/13/2022	25 Micron Regular			Coarse Sand Filters (1A&1B)		Skimmed 6" off Resin vessel Train D
9/14/2022	25 Micron Pleated	10 Micron Regular				Skimmed approx. 5" off Resin vessel Train A and Skimmed 2.5" off Resin vessel Train B
9/15/2022		10 Micron Regular (3x)	Secondary Carbon vessels A, B, C, & D			
9/16/2022	25 Micron Regular		Primary Carbon vessels A, B, C, & D			
9/19/2022	25 Micron Regular	10 Micron Regular	Primary Carbon vessels A, B, C, & D			
9/20/2022		10 Micron Regular 10 Micron Pleated				
9/21/2022		10 Micron Pleated	Secondary Carbon vessels A, B, C, & D			
9/22/2022		10 Micron Pleated		Coarse Sand Filters (2A&2B) Fine Sand Filters (3A/3B)		

TABLE 3 - PREVENTIVE MAINTENANCE

Date	Primary Bag Filter Change and Type of Filters Installed	Secondary Bag Filter Change and Type of Filters Installed	Treatment Process Backwashed	Sand Filter Cleaning or Changeout	Media Change Out	Resin Vessel Skimming
9/23/2022	25 Micron Pleated		Primary Carbon vessels A, B, C, & D			
9/26/2022		10 Micron Regular	Primary Carbon vessels A, B, C, & D			
9/27/2022		10 Micron Pleated		Fine Sand Filters (4A/4B)		
9/28/2022	25 Micron Regular	10 Micron Regular	Secondary Carbon vessels A, B, C, & D			
9/29/2022		10 Micron Pleated				
9/30/2022			Primary Carbon vessels A, B, C, & D			

FIGURES

FIGURE 1

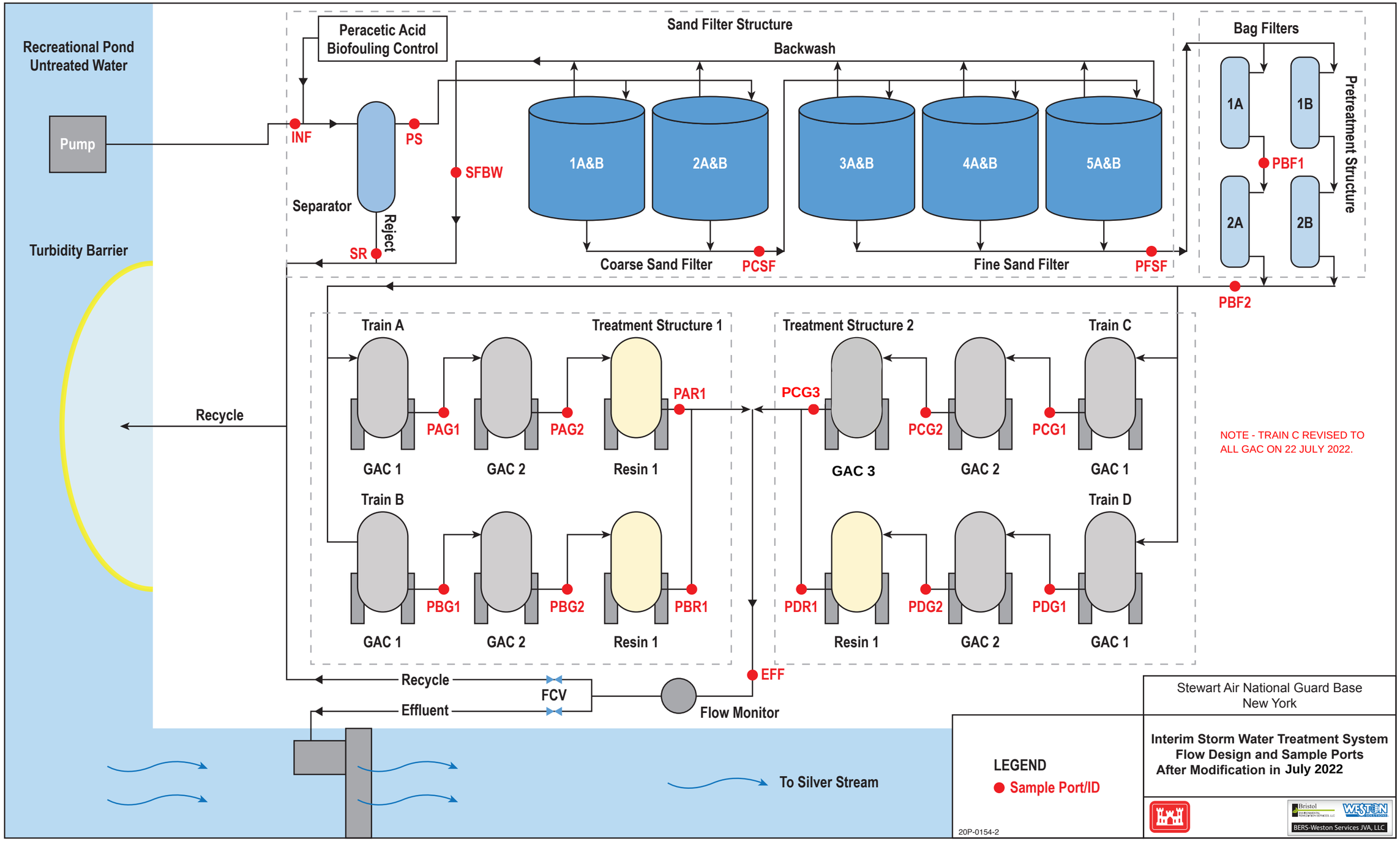

Recreational Pond
Untreated Water
Pump
Turbidity Barrier
Peracetic Acid
Biofouling Control
Sand Filter Structure
Backwash
INF
PS
SFBW
Separator
Reject
SR
1A&B
2A&B
3A&B
4A&B
5A&B
Coarse Sand Filter
PCSF
Fine Sand Filter
PFSF
Bag Filters
1A
1B
2A
2B
PBF1
Pretreatment Structure
PBF2
Train A
Treatment Structure 1
PAG1
PAG2
PAR1
GAC 1
GAC 2
Resin 1
Train B
PBG1
PBG2
PBR1
Treatment Structure 2
Train C
PCG3
PCG2
PCG1
GAC 3
Train D
PDR1
PDG2
PDG1
Recycle
Effluent
FCV
EFF
Flow Monitor
To Silver Stream
NOTE - TRAIN C REVISED TO
ALL GAC ON 22 JULY 2022.
LEGEND
Sample Port/ID
20P-0154-2
Stewart Air National Guard Base
New York
Interim Storm Water Treatment System
Flow Design and Sample Ports
After Modification in July 2022
BERS-Weston Services JVA, LLC

FIGURE 2 - RECREATION POND LEVEL CHART

JULY TO SEPTEMBER 2022

ISWTS SANGB - RECREATION POND LEVEL

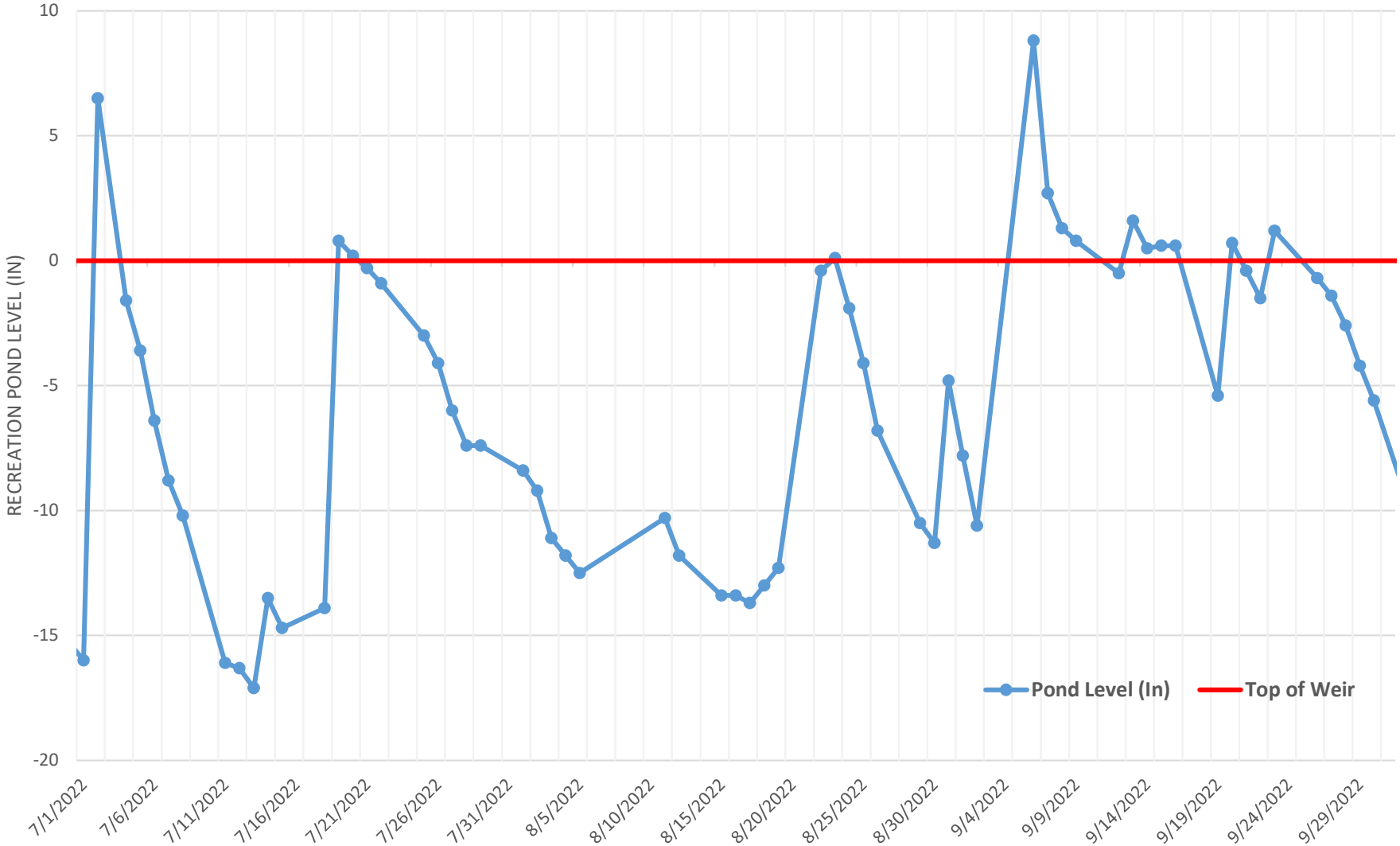
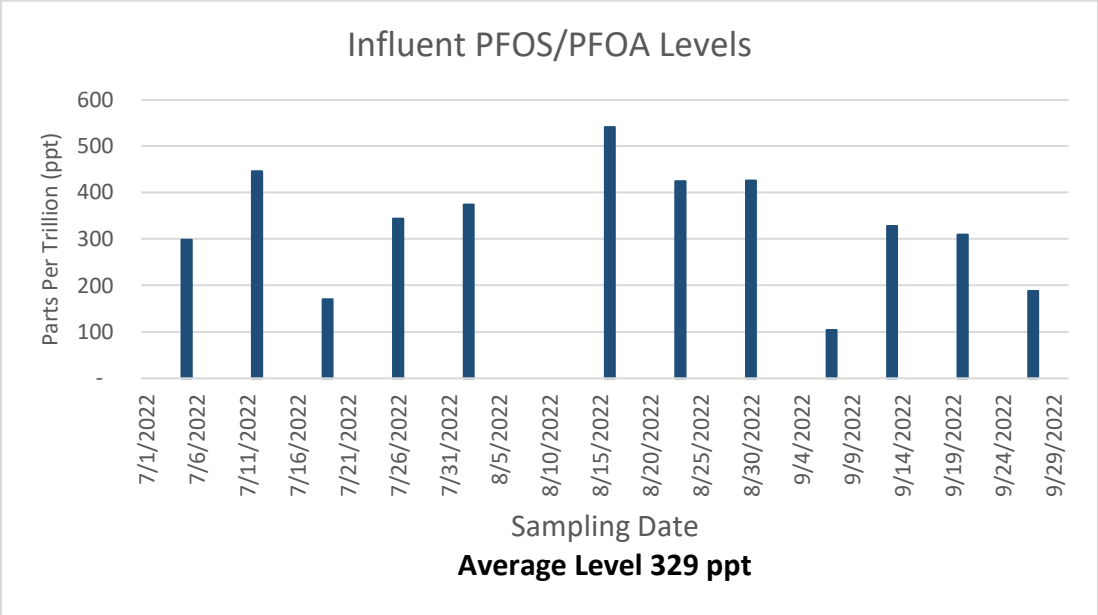
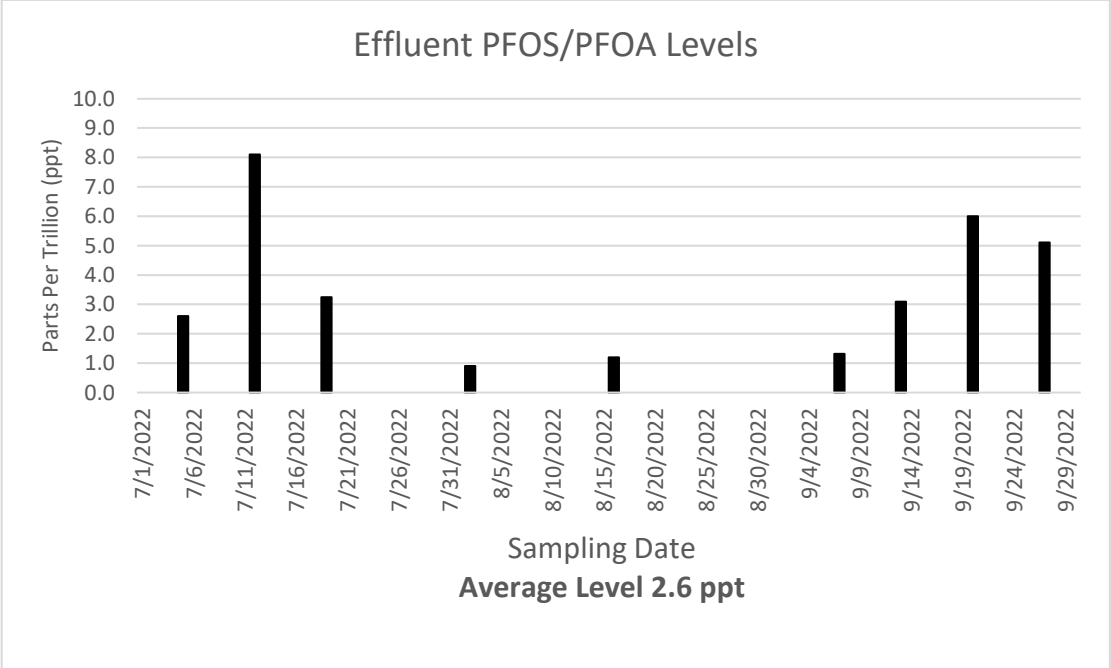


FIGURE 3 - INFLUENT AND EFFLUENT PFOS AND PFOA CHARTS



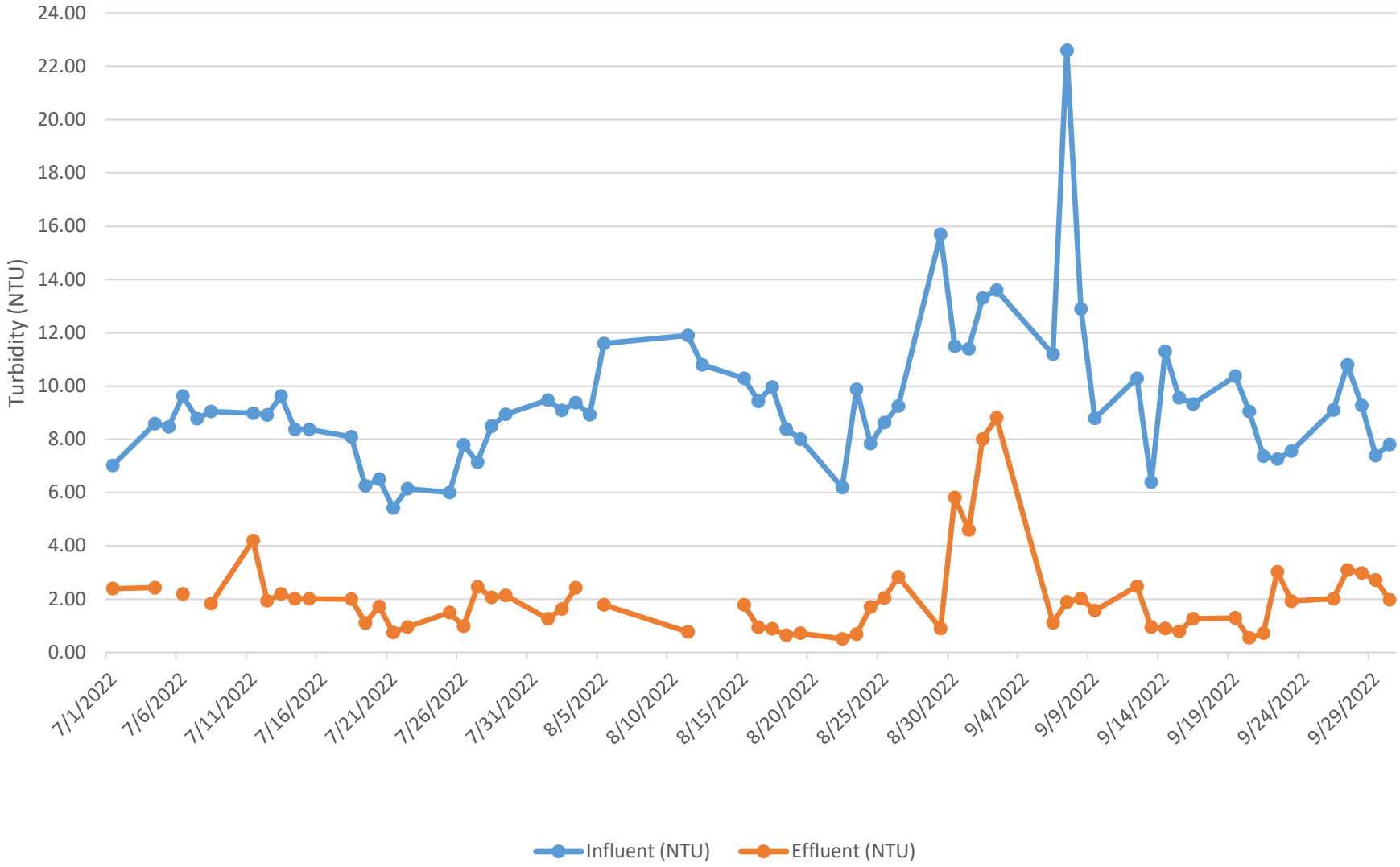


Note: Due to system maintenance no sampling data was collected during the week of August 8, 2022

FIGURE - 4 - INFLUENT AND EFFLUENT TURBIDITY CHART

July to September 2022

Influent and Effluent Turbidity



ATTACHMENT

ONION EQUIPMENT COMPANY

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

November 23, 2022

Re: Stewart ANG July 2022 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 on and after July 1, 2022

Thank you,

Eric Patterson

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	21-11A

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

Transporter 1 Company Name	US EPA ID Number
Jeff Heeren Trucking	
Transporter 2 Company Name	**US EPA ID Number**
Designated Facility Name and Site Address	**US EPA ID Number**
WAYNE DISPOSAL, INC. SITE #2 LANDFILL 49350 N I-94 SERVICE DRIVE- BELLEVILLE, MI 48111 Facility's Phone: (800) 592-5489	MID 048 090 633

Waste Shipping Name and Description	Containers		Total Quantity	Unit Wt / Vol.	Disposal Method
	No.	Type			
1 F220121WDI / Spent PFAS Filtration Media	23	1 CYD BAG	35000	LB	Landfill
2					
3					
4					

Special Handling Instructions and Additional Information	24 Hour Emergency Response Phone
Non-RCRA Waste Solid consisting of Sand and Gravel and Spent Ion Exchange Media, Contains PFOS/PFAS Quantity 10 ~ 19-03F line 6 (Resin), Quantity 3 ~ 19-03F line 16 (Sand and Gravel), Quantity 10 ~ 19-03F line 18 (Filter Bags) (Driver Name: Mickey Lubonde PH# 608-851-0138)	(317) 762-6007
	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 as Agent for SANG		7	20	2022

TRANSPORTER SECTION

Transporter's Acknowledgement of Receipt of Materials

Transporter 1 Printed / Typed Name	Signature	Month	Day	Year
Mickey Lubonde		7	20	2022
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 7 / Day 22 / Year 22

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

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # 21-11A

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

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

FACILITY NAME: (Please check one)
☐ Michigan Disposal Waste Treatment Plant (EPA I.D. # MID000724831)
☒ Wayne Disposal, Inc. (EPA I.D. # MID048090633)

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

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

US ecology

COD #5

1104180

Non-Hazardous Waste Manifest

Non-Hazardous Waste Manifest	Generator ID Number	Waste Profile Number	Waste Tracking (Manifest) Number
	NYD 981 183 338	F220121WDI-OTS	19-03F-4

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

Transporter 1 Company Name	US EPA ID Number
Stuart Family Farms	
Transporter 2 Company Name	**US EPA ID Number**
JD Transport	
Designated Facility Name and Site Address	**US EPA ID Number**
WAYNE DISPOSAL, INC. SITE #2 LANDFILL 49350 N I-94 SERVICE DRIVE- BELLEVILLE, MI 48111 Facility's Phone: (800) 592-5489	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	15	1 CYD BAG	38,000	LB	Landfill
2						
3						
4						

Special Handling Instructions and Additional Information

Conf # 1121692

Non-RCRA Waste Solid consisting of Sand and Gravel and Spent Ion Exchange Media, Contains PFOS/PFAS
Quantity 15 - 19-03F Line 6 (Resin), Quantity 0 - 19-03F Line 16 (Sand and Gravel), Quantity 0 - 19-03F Line 18
Drivers Phone ~~(269) 788-9978~~ 313 404 - 3372 10 AM Monday

24 Hour Emergency Response Phone: (317) 762-6007

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)				

Transporter's Acknowledgement of Receipt of Materials

Transporter 1 Printed / Typed Name	Signature	Month	Day	Year
Bill Stuart	Bill Stuart	07	28	2022
Transporter 2 Printed / Typed Name: Bledar Llana	Signature	Month: 08	Day: 5	Year: 2022

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
Amanda McClain		08	08	2022

COD #3

CERTIFICATE OF DISPOSAL

US ecology

This certificate is to verify the wastes specified on Manifest # 19-03F-4

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

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

FACILITY NAME: (Please check one)

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

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

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

PHONE NUMBER: 1-800-592-5489

FAX NUMBER: 1-800-593-5329

Authorized Signature: _____

CERTIFICATE OF DESTRUCTION AND ACTIVATED CARBON REACTIVATION

CAN Number: 6973N

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

Issue Date: August 17, 2022, 2022

CCC CAN Number: 6973N

Waste Classification: RCRA non-hazardous

Treatment Method: Thermal Reactivation

Calgon Carbon hereby certifies on the above date 15,000 pounds of spent carbon received under the indicated carbon profile application number 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

Matt Asbury

Quality Assurance Manager

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	6973N	19-03F-2

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

Transporter 1 Company Name	US EPA ID Number
HMD, LLC	
Transporter 2 Company Name	**US EPA ID Number**
Designated Facility Name and Site Address	**US EPA ID Number**
Calgon Carbon c/o Dart Trucking Inc 11017 Market St - North Lima, OH 44452 Facility's Phone: 1-866-225-4660	

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

Special Handling Instructions and Additional Information	24 Hour Emergency Response Phone
Profile 6973N - Spent carbon returns: 8:00 AM - 3:00 PM Tuesday - Thursday Note Line 1 - Weight is a dry weight basis Driver Phone 203-520-8577	(317) 762-6007
	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		July	26	2022

TRANSPORTER SECTION

Transporter's Acknowledgement of Receipt of Materials

Transporter 1 Printed / Typed Name	Signature	Month	Day	Year
Christopher Moorefield	Chris Moorefield	July	26	2022
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