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Butler, NJ 07405
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February 10, 2023

Ms. Greta White
Project Manager, Remedial Bureau C
Division of Environmental Remediation
New York State Department of Environmental Conservation (NYSDEC)
625 Broadway
Harrison, NY 12233-7014

Re: NYSDEC Site No. 360174; BCP C361074
January 2023 – February 2023 Monthly Progress Report
Westchester County Airport, 240 Airport Road
Harrison, New York 10604

Dear Ms.White:

Actions Taken/Accomplishments (January 2023 – February 2023)

A schedule of completed and projected activities is included as Appendix A.

1. First Environment oversaw the installation of the Fluoro-Sorb permeable reactive mat in the area where groundwater daylighting occurred as shown in Figure 1. To evaluate the remedial effectiveness of the reactive mat, groundwater daylighting to the ground surface entering the stormwater drains at 7014.2 and 7016.1 was analyzed for per- and polyfluoroalkyl substance (PFAS) before and after the mat was installed. Based on the laboratory analytical results, it is apparent from comparing the pre- and post-installation concentrations that the Fluoro-Sorb is functioning effectively. At location 7016.1, PFOS was reduced from 1,030 ppt to 66.5 parts per trillion (ppt) and at 7014.2 from 1,130 ppt to 4.4 ppt. These same locations were also sampled in December. As indicated, the Fluoro-Sorb is continuing to function as designed at 7014.2 and7016.1. The PFAS results are provided in Table 1.
2. First Environment has transitioned from PFAS analysis using EPA modified method 537.1 in November to EPA method 1633 in December. EPA method 1633 analyzes 40 PFAS while the former method analyzes 21. Tables are being updated as required for reporting purposes.
3. To create a groundwater quality baseline, samples were collected from wells in the vicinity of the proposed pilot test on January 3, 2023 and analyzed for PFAS and Total Organic Carbon (TOC). Results were provided to Regenesis and are presented in Table 2.

4. The groundwater pilot test was initiated on January 18 and completed on January 19, 2023. Air monitoring data was collected and recorded. This data is presented in Appendix B. It should be noted that equipment was unavailable for air monitoring the first day due to a delivery problem.
5. The pilot test was designed to evaluate the effectiveness of the Regenesis Plume Stop technology in reducing PFAS in groundwater. The test location is illustrated in Figure 2. A photolog of the pilot test is provided in Appendix C.
6. Completed uploading the Electronic Data Deliverables (EDDs) from the Site Characterization Report to the NYSDEC email address. These EDDs have to be reviewed by the NYSDEC prior to posting and use.
7. Responded to comments outlined in the NYSDEC December 29, 2022 letter for the March 2022 Site Characterization Report.

February & March Activities

1. First Environment intends to continue performance monitoring of surface water leaving the end-of-pipe at Outfall 7 (OF-7) as well as New York City Department of Environment Projection (NYCDEP) gauging station (E-10) on a quarterly basis. We will concurrently record water level measurements in temporary wells along Airport Road and New King Street. The next monitoring event is planned for March 2023.
2. Prepare a letter report summarizing the Performance Monitoring data collected to date.
3. First Environment recently observed increased water flow from headwall 7021.1 that is contributing to OF-7. This increase in flow may have resulted in increased PFAS concentrations at OF-7. As a result, First Environment will further evaluate the presence of an increase in water flow and PFAS levels during the 1st quarter of 2023.
4. Groundwater samples will be collected on a quarterly basis for one year to determine the success of the pilot test. The first set of samples is scheduled to be collected mid-April of this year. Once collected, First Environment will evaluate and report the pilot test groundwater results.
5. Submit the updated Site Characterization Report to reflect comments by the NYSDEC.
6. First Environment received the NYSDEC's comments to the Remedial Investigation Workplan (RIWP) on February 7, 2023. First Environment will review comments and request a meeting with the NYSDEC to obtain clarification and additional information to appropriately respond to some of the comments. Once the meeting has been completed, First Environment will submit our response to the NYSDEC and New York State Department of Health (NYSDOH) before resubmittal of the revised RIWP.
7. First Environment continues to provide environmental technical support to the County's engineering team for the construction and installation of a water

supply pipeline from Westchester Joint Water Works (WJWW). Contract 22-522 WCA Domestic Water System Improvements is in the process of being awarded to the lowest bidder. The expectation is construction will initiate in the Summer of 2023.

8. Continue to evaluate the larger application of the Fluoro-Sorb mat and permeable reactive barrier for use at OF-4 to reduce PFAS in surface water.
9. Evaluate foam fractionation technology to reduce PFAS in surface and groundwater.
10. First Environment is working with the Westchester County Public Works Transportation (WCPWT) to develop a permanent solution to correct the daylighting of groundwater to the storm sewer as shown in Figure 2.
11. After completing placement of the Fluoro-Sorb mat in December 2022, Pugni, a contractor retained by the WCPWT, reportedly repaired subsurface stormwater inlets to prevent groundwater from entering the storm sewer at inlets 7015.1, 7014.2, 7013, 7008, and 7007, as shown in Figure 3. First Environment will evaluate if such repairs were successful in eliminating PFAS impacted groundwater from entering the stormwater system during the 1st and 2nd quarter 2023.

If you have any questions, please do not hesitate to call.

Regards,

FIRST ENVIRONMENT, INC.

Scott R. Green, P.G.
Director, Insurance Consulting Service Group

David Luer
Project Manager/Field Team Leader

Att.

c: B. Tod Delaney, Ph.D., P.E., BCEE - First Environment, Inc.
Arthur Clarke, J.D. - First Environment, Inc.
Hugh Greechan, Jr. P.E. - Westchester County Public Works & Transportation
John Nonna - Westchester County Attorney
April Gasparri – Westchester County Airport Manager
John Inserra - Westchester County Airport Environmental
John Benvegna - WSP
M.Hubicki, NYSDEC
K.Thompson, NYSDEC
M. Murphy, NYSDEC
K.Maloney, NYSDEC

D.Bendell/D.Pollock, NYSDEC
M. Doroski – NYSDOH
K. Kulow – NYSDOH

TABLES

Table 1 - Matting Placement Comparison
Westchester County Airport

Sample ID		7016.1 Before		7016.1 After		7016.1		7014.2 Before		7014.2 After		7014.2	
York ID		22L0405-01		22L0670-01		22L1383-07		22L0405-02		22L0670-02		22L1383-08	
Sampling Date		12/6/2022 9:00:00 AM		12/9/2022 7:30:00 AM		12/28/2022 11:55:00 AM		12/6/2022 12:00:00 PM		12/9/2022 7:40:00 AM		12/28/2022 12:00:00 PM	
Client Matrix		Water		Water		Water		Water		Water		Water	
Compound	**CAS Number**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
PFAS, EPA 1633 Target List		ng/L		ng/L		ug/L		ng/L		ng/L		ug/L	
Dilution Factor		10		1		1		10		1		1	
11CL-PF3OUdS	763051-92-9						U						U
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS	39108-34-4	20.8			U		U		U		U		U
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS	757124-72-4						U						U
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS	27619-97-2	24.8		6.4		7.67	J	6.0			U	7.31	J
3-Perfluoroheptyl propanoic acid (FHpPA)	812-70-4						U						U
3-Perfluoropentyl propanoic acid (FPePA)	914637-49-3						U						U
3-Perfluoropropyl propanoic acid (FPrPA)	356-02-5						U						U
9CL-PF3ONS	756426-58-1						U						U
ADONA	919005-14-4						U						U
HFPO-DA (Gen-X)	13252-13-6						U						U
N-EtFOSA	4151-50-2					3.23						0.420	
N-EtFOSAA	2991-50-6		U		U		U		U		U		U
N-EtFOSE	1691-99-2						U						U
N-MeFOSA	31506-32-8						U						U
N-MeFOSAA	2355-31-9		U		U		U		U		U		U
N-MeFOSE	24448-09-7						U						U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7						U						U
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3		U		U		U		U		U		U
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	21.4			U		U	33.9			U	1.83	J
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1						U						U
Perfluoro-1-octanesulfonamide (FOSA)	754-91-6	3.5			U		U		U		U		U
Perfluoro-1-pentanesulfonate (PFPeS)	2706-91-4					2.12						5.55	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6						U						U
Perfluoro-4-oxapentanoic acid (PFMPA)	377-73-1						U						U
Perfluoro-5-oxahexanoic acid (PFMBA)	863090-89-5						U						U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	21.1		5.6		2.74		43.2			U	4.72	
Perfluorodecanoic acid (PFDA)	335-76-2		U		U		U	3.5			U		U
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5						U						U
Perfluorododecanoic acid (PFDoA)	307-55-1		U		U		U		U		U		U
Perfluoroheptanoic acid (PFHpA)	375-85-9	41.4		9.8		8.98		73.6			U	16.4	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	299.0	D	52.1		24.0		488.0	D	4.5		47.9	
Perfluorohexanoic acid (PFHxA)	307-24-4	68.8		17.4		15.9		126.0		4.2		39.0	
Perfluoro-n-butanoic acid (PFBA)	375-22-4	25.5		8.9		12.2		43.0		7.3		22.9	
Perfluorononanoic acid (PFNA)	375-95-1	8.4			U	1.92	J	38.9			U	4.22	
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	1,030.0	D	66.5		15.4		1,130.0	D	4.4		32.2	
Perfluorooctanoic acid (PFOA)	335-67-1	50.3		10.6		6.51		76.6			U	12.6	
Perfluoropentanoic acid (PFPeA)	2706-90-3	47.7		23.2		24.4		116.0		10.5		55.5	
Perfluorotetradecanoic acid (PFTA)	376-06-7		U		U		U		U		U		U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	2.1			U		U		U		U	2.51	
Perfluoroundecanoic acid (PFUnA)	2058-94-8	3.2			U		U	9.9			U	1.83	J

NOTES:
Any Regulatory Exceedences are color coded by Regulation

Q is the Qualifier Column with definitions as follows:
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

Table 2 - PFAS and TOC Baseline for FMW-13R Pilot Test
Westchester County Airport

Sample ID		FMW-13R		13R-A		13R-B		13R-C		13R-D		FB 1-3-23	
York ID		23A0033-01		23A0033-02		23A0033-03		23A0033-04		23A0033-05		23A0033-06	
Sampling Date		1/3/2023 10:19:00 AM		1/3/2023 10:25:00 AM		1/3/2023 10:32:00 AM		1/3/2023 10:45:00 AM		1/3/2023 11:00:00 AM		1/3/2023 10:40:00 AM	
Client Matrix		Water		Water		Water		Water		Water		Water	
Compound	**CAS Number**	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Total Organic Carbon		ug/L		ug/L		ug/L		ug/L		ug/L			
Dilution Factor		1		1		1		1		1			
Total Organic Carbon (TOC)		1,000	U	1,180		1,000	U	1,000	U	1,000	U	NT	
PFAS, EPA 1633 Target List		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
Dilution Factor		5		1		1		1		5		1	
11CL-PF3OUdS	763051-92-9		U		U		U		U		U		U
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	7.03	J	7.17	J	7.11	J		U	7.08	J		U
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4		U		U		U		U		U		U
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	27619-97-2	217		246		346		139		295		14.4	
3-Perfluoroheptyl propanoic acid (FHpPA)	812-70-4		U		U		U		U		U		U
3-Perfluoropentyl propanoic acid (FPePA)	914637-49-3		U		U		U		U		U		U
3-Perfluoropropyl propanoic acid (FPrPA)	356-02-5	4.39	J		U		U		U		U		U
9CL-PF3ONS	756426-58-1		U		U		U		U		U		U
ADONA	919005-14-4		U		U		U		U		U		U
HFPO-DA (Gen-X)	13252-13-6		U		U		U		U		U		U
N-EtFOSA	4151-50-2	2.33	B	1.04	B	0.210	B	3.20	B	332	B	1.76	B
N-EtFOSAA	2991-50-6		U		U		U		U		U		U
N-EtFOSE	1691-99-2		U	100			U		U		U		U
N-MeFOSA	31506-32-8	1.76	J		U		U		U	1.77	J		U
N-MeFOSAA	2355-31-9		U		U		U		U		U		U
N-MeFOSE	24448-09-7		U		U		U		U		U		U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7		U		U		U		U		U		U
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3		U		U		U		U		U		U
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	28.3		19.0		23.1		20.4		29.5			U
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	2.08			U	1.78	J	1.74	J		U		U
Perfluoro-1-octanesulfonamide (FOSA)	754-91-6		U	1.79	J	1.78	J		U		U		U
Perfluoro-1-pentanesulfonate (PFPeS)	2706-91-4	85.5		71.6		74.0		66.5		111.0			U
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6		U		U		U		U		U		U
Perfluoro-4-oxapentanoic acid (PFMPA)	377-73-1		U		U		U		U		U		U
Perfluoro-5-oxahexanoic acid (PFMBA)	863090-89-5		U		U		U		U		U		U
Perfluorobutanesulfonic acid (PFBS)	375-73-5	36.2		32.4		29.5		27.9		39.0			U
Perfluorodecanoic acid (PFDA)	335-76-2	3.04		1.79	J	1.78	J	1.74	J	1.77	J		U
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5		U		U		U		U		U		U
Perfluorododecanoic acid (PFDoA)	307-55-1		U	1.79	J		U		U		U		U
Perfluoroheptanoic acid (PFHpA)	375-85-9	230		253		254		217		301			U
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	4,970	D	675		820		775		5,400	D	1.85	J
Perfluorohexanoic acid (PFHxA)	307-24-4	453		531		531		409		555		1.85	J
Perfluoro-n-butanoic acid (PFBA)	375-22-4	246		288		294		245		328			U
Perfluorononanoic acid (PFNA)	375-95-1	81.8		44.1		55.6		46.9		58.3			U
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	5,630	D	502		624		619		860		1.85	J
Perfluorooctanoic acid (PFOA)	335-67-1	138		107		137		112		142		1.85	J
Perfluoropentanoic acid (PFPeA)	2706-90-3	950		1,150		1,120		862		1,220		3.71	J
Perfluorotetradecanoic acid (PFTA)	376-06-7		U	5.27			U		U		U		U
Perfluorotridecanoic acid (PFTrDA)	72629-94-8		U	7.75			U		U		U		U
Perfluoroundecanoic acid (PFUnA)	2058-94-8		U	1.79	J		U		U		U		U

NOTES:
Any Regulatory Exceedences are color coded by Regulation

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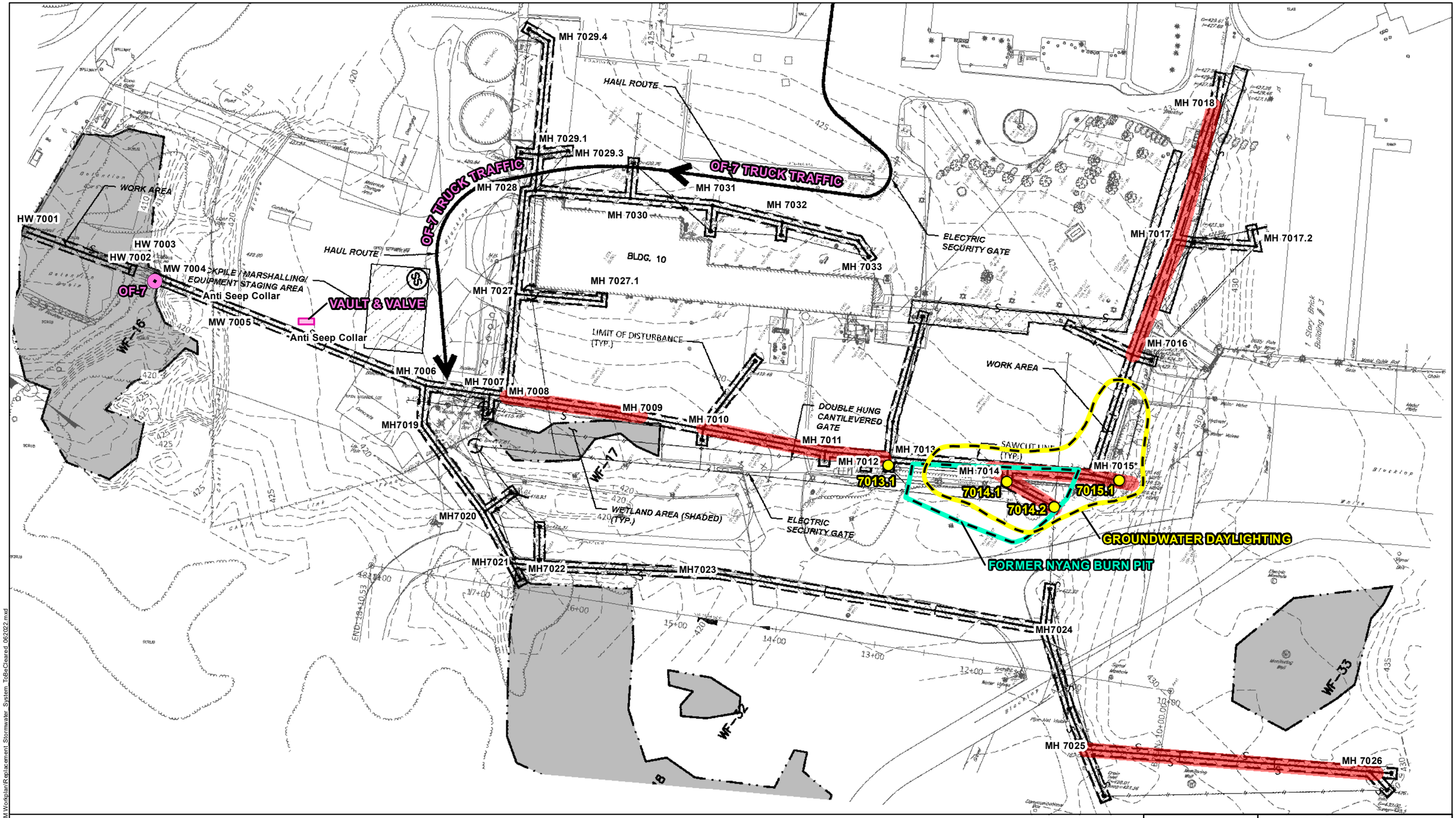
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

FIGURES



Legend

- Section of Pipe Requiring Clearing
- Wetland

0 22.5 45 90 Feet

1 inch = 90 feet

N

Source: Provident Design Engineering PLLC, 2020 100% OF-7 Storm Sewer Design

FIRST ENVIRONMENT

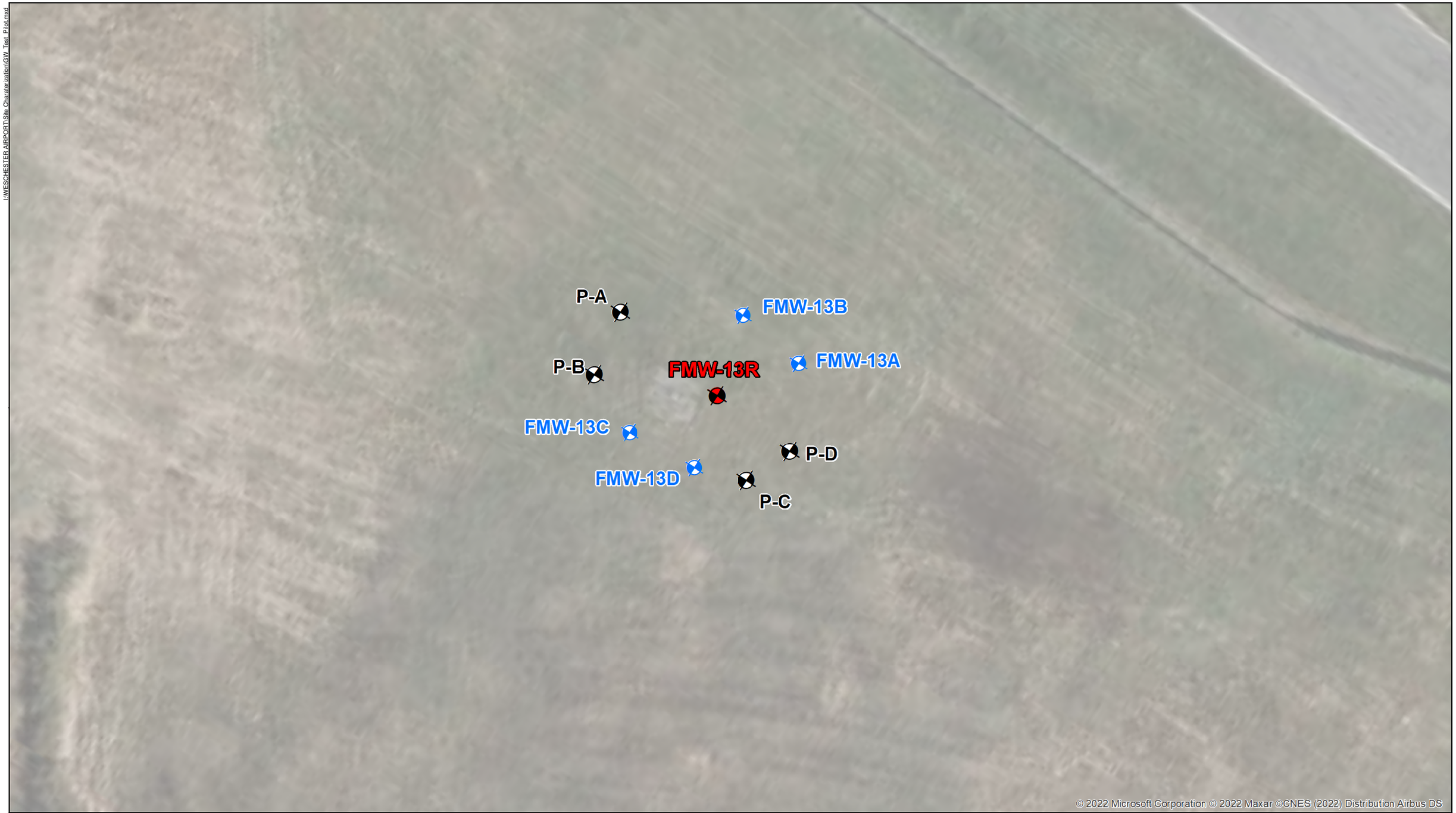
10 Park Place, Bldg 1A, Suite 504
Butler, NJ 07405

NYSDEC SITE NO. 360174
WESTCHESTER COUNTY AIRPORT
White Plains, Westchester County, New York
FIGURE 1
OF-7 STORM SEWER SEDIMENT CLEAN OUT

Revised	Drawn	Checked	Approved	Date
	ES	DL	SG	6/15/2022

K:\WESCHESTER AIRPORT\TRM\Workplan\Replacement_Stormwater_System_ToBeCleared_062022.mxd

I:\WESCHESTER AIRPORT\Site Characterization\GW Test Pilot.mxd



Legend

- Piezometer Locations
- Monitoring Well Locations
- Monitoring Well Location (Unconsolidated Aquifer)

0 10 20 Feet

1 inch = 20 feet

FIRST ENVIRONMENT

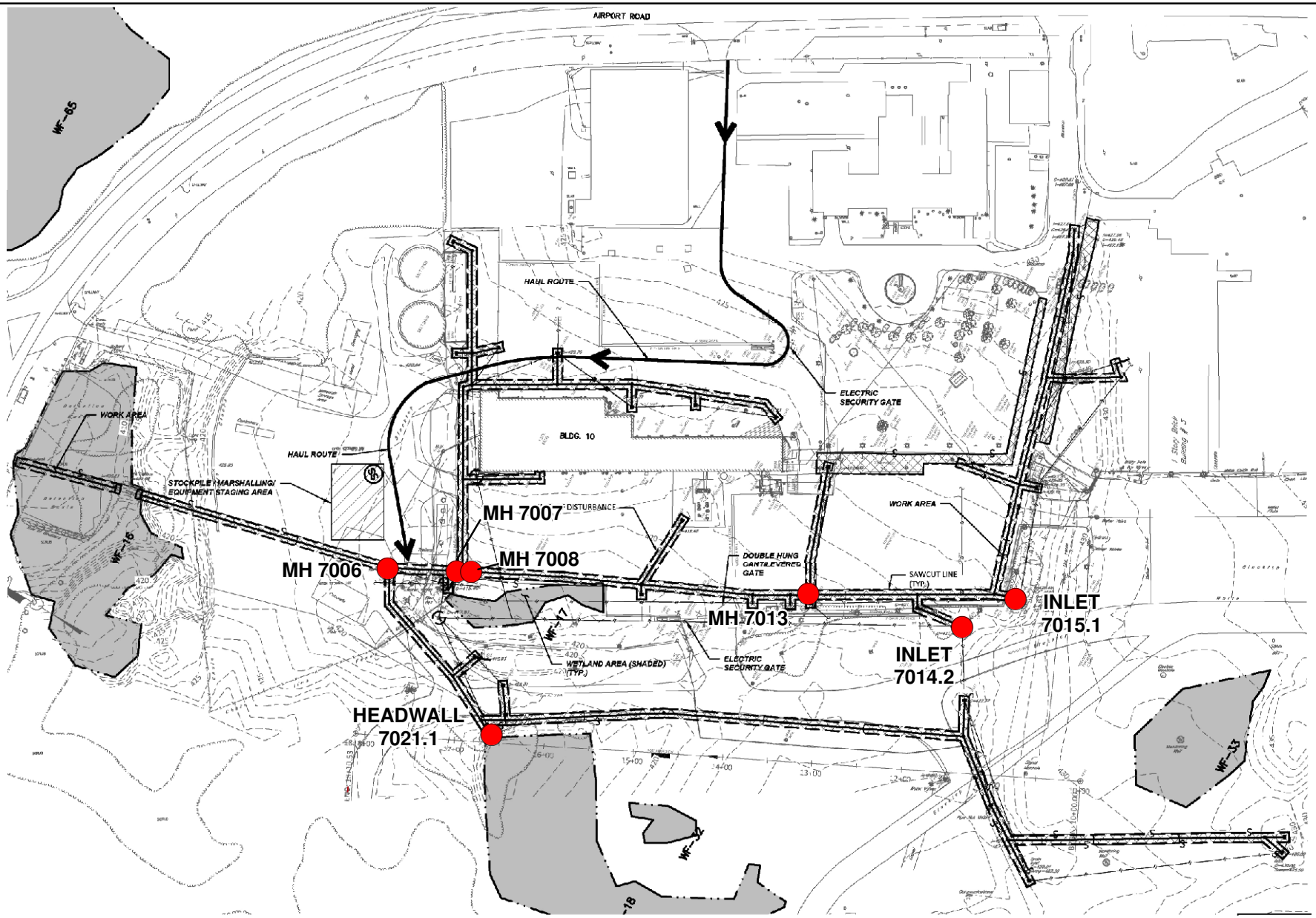
10 Park Place, Bldg 1A, Suite 504
Butler, NJ 07405

NYSDEC SITE NO. 360174
WESTCHESTER COUNTY AIRPORT
White Plains, Westchester County, New YorK

FIGURE 2

GROUNDWATER PILOT TEST

Revised	Drawn	Checked	Approved	Date
CL	LS	DL	SG	11/10/2022



Legend

- Leaking Manhole Structures

FIRST ENVIRONMENT

10 Park Place, Bldg 1A, Suite 504
Butler, NJ 07405

WESTCHESTER COUNTY AIRPORT

FIGURE 3
SYSTEM LEAKS AS OF
JULY 28, 2022

Revised	Drawn	Checked	Approved	Date
	CL			8/2/2022

H:\extest\Westchester County Airport - WEST\C028\Graphics\GIS\System Leak July28 2022.mxd

APPENDIX A

APPENDIX A
Work Activity Schedule
2022-2024

Milestone	Estimated Completion Date	Estimated Completion Percentage
OF-7 Storm Sewer Installation	May 13, 2022	100%
OF-7 Performance Monitoring	2nd Quarter 2023	90%
New King Street Workplan – Phase 1	January 24	100%
New King Street Workplan – Phase 2	April 2022	100%
Waterline Workplan	April 2022	100%
Waterline Completion	October 2024	0%
OF-4 IRM Pilot Test[1]	Summer 2023	50%
Remedial Investigation Workplan Submittal	July 2022	100%
GW Pilot Test Scope of Work[2]	Summer 2022	100%
GW Pilot Test	Winter 2022	100%
GW Pilot Test Performance Monitoring	Winter 2024	0%
Execution of RI workplan[3]	Spring/Summer 2023	0%
Remedial Action Alternatives Evaluation	2023-2024	0%
Remedial Action Selection Report	TBD	0%
Certificate of Completion	TBD	0%

Estimated task durations and completions are tentative and are subject to modification based on site work, progress, weather delays, and other considerations such as contractor availability or Airport access.

[1] Pilot test CETCO Fluor sorb at OF-7 – Evaluate the effectiveness of Flour sorb reducing PFOS and PFOA in surface water. Pilot test CETCO Fluor sorb at OF-7 before testing at OF-4.
[2] Scope of work submitted to the County approved September 2022
[3] Start date dependent upon workplan approval.

APPENDIX B

End Time	50767 Dust Trak Time Stamp (Avg)	50767 Dust Trak Mass Conc. Total (Avg)	50767 Dust Trak TWA (Avg)	801063 Dust Trak Time Stamp (Avg)	801063 Dust Trak Mass Conc. Total (Avg)	801063 Dust Trak TWA (Avg)
Jan 19 2023 7:28:00 AM						
Jan 19 2023 7:29:00 AM				0	0	0
Jan 19 2023 7:30:00 AM				0.02	0	0
Jan 19 2023 7:31:00 AM				31.034	0.005	0
Jan 19 2023 7:32:00 AM				90.966	0.005	0
Jan 19 2023 7:33:00 AM				150.881	0.005	0
Jan 19 2023 7:34:00 AM	0	0	0	210.933	0.005	0
Jan 19 2023 7:35:00 AM	0	0	0	271.041	0.005	0
Jan 19 2023 7:36:00 AM	0	0	0	331.038	0.006	0
Jan 19 2023 7:37:00 AM	0	0	0	390.934	0.005	0
Jan 19 2023 7:38:00 AM	1.95	0.002	0	422.022	0.005	0
Jan 19 2023 7:39:00 AM	45.085	0.006	0	510.926	0.005	0
Jan 19 2023 7:40:00 AM	105.154	0.004	0	570.955	0.005	
Jan 19 2023 7:41:00 AM	165.091	0.003	0	630.981	0.008	
Jan 19 2023 7:42:00 AM	225.144	0.003	0	690.924	0.009	
Jan 19 2023 7:43:00 AM	285.201	0.002	0	750.776	0.009	
Jan 19 2023 7:44:00 AM	345.295	0.002	0	810.925	0.006	
Jan 19 2023 7:45:00 AM	405.041	0.001	0	870.892	0.005	
Jan 19 2023 7:46:00 AM	465.178	0.001	0	931.001	0.005	
Jan 19 2023 7:47:00 AM	525.244	0.001	0	964.158	0.005	
Jan 19 2023 7:48:00 AM	585.251	0.001	0	1063.6	0.006	0
Jan 19 2023 7:49:00 AM	645.017	0.001	0	1110.841	0.005	0
Jan 19 2023 7:50:00 AM	705.111	0.001	0	1170.711	0.005	0
Jan 19 2023 7:51:00 AM	764.985	0.001	0	1230.707	0.005	0
Jan 19 2023 7:52:00 AM	825.068	0	0	1290.794	0.005	0
Jan 19 2023 7:53:00 AM	885.118	0	0	1350.89	0.005	0
Jan 19 2023 7:54:00 AM	945.051	0	0	1410.712	0.005	0
Jan 19 2023 7:55:00 AM	1005.061	0	0	1470.806	0.005	0
Jan 19 2023 7:56:00 AM	1065.125	0	0	1530.708	0.005	0
Jan 19 2023 7:57:00 AM	1124.961	0	0	1590.894	0.005	0
Jan 19 2023 7:58:00 AM	1185.074	0	0	1650.891	0.005	0
Jan 19 2023 7:59:00 AM	1244.933	0	0	1710.727	0.005	0
Jan 19 2023 8:00:00 AM	1304.939	0	0	1770.873	0.005	0
Jan 19 2023 8:01:00 AM	1365.103	0	0	1830.661	0.005	0
Jan 19 2023 8:02:00 AM	1424.834	0	0	1766.007	0.005	0
Jan 19 2023 8:03:00 AM	1485.104	0	0	1950.662	0.005	0
Jan 19 2023 8:04:00 AM	1544.789	0	0	2010.773	0.005	0
Jan 19 2023 8:05:00 AM	1604.885	0		2070.693	0.005	0
Jan 19 2023 8:06:00 AM	1664.925	0.001		2130.873	0.005	0
Jan 19 2023 8:07:00 AM	1725.22	0		2190.791	0.005	0
Jan 19 2023 8:08:00 AM	1769.429	0.001		2250.694	0.005	0
Jan 19 2023 8:09:00 AM	1868.078	0	0	2310.874	0.005	0
Jan 19 2023 8:10:00 AM	1905.011	0	0	2370.661	0.005	0
Jan 19 2023 8:11:00 AM	1965.029	0	0	2430.723	0.005	0
Jan 19 2023 8:12:00 AM	2025.023	0	0	2490.727	0.006	0
Jan 19 2023 8:13:00 AM	2084.895	0	0	2550.803	0.006	0
Jan 19 2023 8:14:00 AM	2144.996	0	0	2610.724	0.006	0
Jan 19 2023 8:15:00 AM	2205.027	0	0	2670.661	0.006	0
Jan 19 2023 8:16:00 AM	2264.975	0	0	2730.673	0.005	0.001
Jan 19 2023 8:17:00 AM	2324.982	0	0	2790.712	0.005	0.001
Jan 19 2023 8:18:00 AM	2384.912	0	0	2850.672	0.005	0.001
Jan 19 2023 8:19:00 AM	2444.99	0	0	2910.695	0.005	0.001
Jan 19 2023 8:20:00 AM	2504.962	0	0	2724.758	0.005	0.001
Jan 19 2023 8:21:00 AM	2565.011	0	0	3030.611	0.005	0.001
Jan 19 2023 8:22:00 AM	2624.862	0	0	3090.389	0.005	0.001
Jan 19 2023 8:23:00 AM	2684.89	0	0	3150.722	0.005	0.001
Jan 19 2023 8:24:00 AM	2744.995	0	0	3210.694	0.005	0.001
Jan 19 2023 8:25:00 AM	2804.949	0	0	3270.623	0.005	0.001
Jan 19 2023 8:26:00 AM	2865.003	0	0	3330.645	0.006	0.001
Jan 19 2023 8:27:00 AM	2924.882	0	0	3390.69	0.005	0.001
Jan 19 2023 8:28:00 AM	2984.941	0	0	3450.561	0.035	0.001
Jan 19 2023 8:29:00 AM	3044.966	0	0	3510.207	0.017	0.001
Jan 19 2023 8:30:00 AM	3104.923	0	0	3570.578	0.005	0.001

End Time	50767 Dust Trak Time Stamp (Avg)	50767 Dust Trak Mass Conc. Total (Avg)	50767 Dust Trak TWA (Avg)	801063 Dust Trak Time Stamp (Avg)	801063 Dust Trak Mass Conc. Total (Avg)	801063 Dust Trak TWA (Avg)
Jan 19 2023 8:31:00 AM	3164.929	0	0	3630.24	0.009	0.001
Jan 19 2023 8:32:00 AM	3224.861	0	0	3690.128	0.005	0.001
Jan 19 2023 8:33:00 AM	3284.812	0	0	3750.24	0.005	0.001
Jan 19 2023 8:34:00 AM	3344.944	0	0	3810.073	0.005	0.001
Jan 19 2023 8:35:00 AM	3404.858	0	0	3870.244	0.005	0.001
Jan 19 2023 8:36:00 AM	3464.929	0	0	3930.223	0.005	0.001
Jan 19 2023 8:37:00 AM	3524.828	0	0	3990.028	0.005	0.001
Jan 19 2023 8:38:00 AM	3584.574	0.001	0	4050.237	0.01	0.001
Jan 19 2023 8:39:00 AM	3644.428	0	0	4110.162	0.008	0.001
Jan 19 2023 8:40:00 AM	3704.296	0	0	4170.29	0.006	0.001
Jan 19 2023 8:41:00 AM	3764.473	0	0	4230.041	0.005	0.001
Jan 19 2023 8:42:00 AM	3824.278	0	0	4290.161	0.006	0.001
Jan 19 2023 8:43:00 AM	3884.407	0	0	4350.173	0.006	0.001
Jan 19 2023 8:44:00 AM	3944.328	0	0	4410.194	0.005	0.001
Jan 19 2023 8:45:00 AM	4004.361	0	0	4470.19	0.005	0.001
Jan 19 2023 8:46:00 AM	4064.334	0	0	4530.178	0.006	0.001
Jan 19 2023 8:47:00 AM	4124.425	0	0	4590.223	0.005	0.001
Jan 19 2023 8:48:00 AM	4184.444	0	0	4649.994	0.005	0.001
Jan 19 2023 8:49:00 AM	4244.162	0	0	4710.19	0.006	0.001
Jan 19 2023 8:50:00 AM	4304.278	0.007	0	4770.177	0.005	0.001
Jan 19 2023 8:51:00 AM	4364.479	0.006	0	4830.007	0.005	0.001
Jan 19 2023 8:52:00 AM	4424.24	0.006	0	4889.974	0.005	0.001
Jan 19 2023 8:53:00 AM	4484.262	0.006	0	4950.027	0.005	0.001
Jan 19 2023 8:54:00 AM	4544.425	0.005	0	5010.157	0.005	0.001
Jan 19 2023 8:55:00 AM	4604.297	0.005	0	5070.262	0.005	0.001
Jan 19 2023 8:56:00 AM	4664.346	0.006	0	5130.04	0.006	0.001
Jan 19 2023 8:57:00 AM	4724.606	0.005	0	5189.977	0.006	0.001
Jan 19 2023 8:58:00 AM	4784.129	0.005	0	5250.023	0.006	0.001
Jan 19 2023 8:59:00 AM	4844.344	0.005	0	5309.877	0.009	0.001
Jan 19 2023 9:00:00 AM	4904.395	0.006	0	5370.14	0.009	0.001
Jan 19 2023 9:01:00 AM	4964.111	0.006	0	5430.024	0.006	0.001
Jan 19 2023 9:02:00 AM	5024.391	0.006	0	5490.16	0.006	0.001
Jan 19 2023 9:03:00 AM	5084.311	0.006	0	5550.074	0.006	0.001
Jan 19 2023 9:04:00 AM	5144.278	0.006	0	5609.961	0.006	0.001
Jan 19 2023 9:05:00 AM	5204.175	0.006	0	5670.191	0.006	0.001
Jan 19 2023 9:06:00 AM	5264.132	0.006	0	5729.894	0.006	0.001
Jan 19 2023 9:07:00 AM	5324.345	0.006	0	5790.123	0.007	0.001
Jan 19 2023 9:08:00 AM	5384.356	0.006	0	5849.961	0.007	0.001
Jan 19 2023 9:09:00 AM	5443.995	0.007	0	5910.04	0.007	0.001
Jan 19 2023 9:10:00 AM	5504.482	0.006	0	5970.291	0.007	0.001
Jan 19 2023 9:11:00 AM	5564.275	0.006	0	6030.011	0.006	0.001
Jan 19 2023 9:12:00 AM	5624.294	0.006	0	6090.023	0.006	0.001
Jan 19 2023 9:13:00 AM	5684.246	0.005	0	6150.094	0.005	0.001
Jan 19 2023 9:14:00 AM	5744.123	0.004	0	6209.807	0.004	0.001
Jan 19 2023 9:15:00 AM	5804.117	0.004	0	6269.845	0.004	0.001
Jan 19 2023 9:16:00 AM	5864.241	0.004	0	6329.94	0.004	0.001
Jan 19 2023 9:17:00 AM	5924.181	0.004	0	6389.957	0.005	0.001
Jan 19 2023 9:18:00 AM	5984.235	0.004	0	6449.876	0.004	0.001
Jan 19 2023 9:19:00 AM	6044.195	0.004	0	6509.958	0.004	0.001
Jan 19 2023 9:20:00 AM	6104.129	0.004	0	6570.043	0.004	0.001
Jan 19 2023 9:21:00 AM	6164.165	0.004	0	6630.123	0.004	0.001
Jan 19 2023 9:22:00 AM	6224.207	0.004	0	6689.912	0.004	0.001
Jan 19 2023 9:23:00 AM	6284.139	0.004	0	6750.004	0.004	0.001
Jan 19 2023 9:24:00 AM	6343.95	0.004	0	6809.761	0.004	0.001
Jan 19 2023 9:25:00 AM	6404.261	0.004	0	6870.108	0.004	0.001
Jan 19 2023 9:26:00 AM	6464.212	0.004	0	6930.044	0.004	0.001
Jan 19 2023 9:27:00 AM	6524.24	0.019	0	6990.19	0.004	0.001
Jan 19 2023 9:28:00 AM	6584.096	0.014	0	7049.745	0.018	0.001
Jan 19 2023 9:29:00 AM	6644.161	0.006	0.001	7110.073	0.011	0.001
Jan 19 2023 9:30:00 AM	6704.195	0.004	0.001	7170.022	0.004	0.001
Jan 19 2023 9:31:00 AM	6764.025	0.004	0.001	7230.544	0.004	0.001
Jan 19 2023 9:32:00 AM	6824.127	0.004	0.001	7290.524	0.004	0.001
Jan 19 2023 9:33:00 AM	6884.062	0.003	0.001	7350.511	0.004	0.002
Jan 19 2023 9:34:00 AM	6944.261	0.004	0.001	6794.557	0.003	0.002
Jan 19 2023 9:35:00 AM	7004.05	0.003	0.001	7470.444	0.004	0.002
Jan 19 2023 9:36:00 AM	7064.107	0.004	0.001	7530.491	0.004	0.002
Jan 19 2023 9:37:00 AM	7124.274	0.003	0.001	7590.49	0.004	0.002
Jan 19 2023 9:38:00 AM	6704.011	0.003	0.001	7650.476	0.004	0.002
Jan 19 2023 9:39:00 AM	7244.512	0.004	0.001	7710.391	0.004	0.002
Jan 19 2023 9:40:00 AM	7304.39	0.004	0.001	7770.244	0.003	0.002

End Time	50767 Dust Trak Time Stamp (Avg)	50767 Dust Trak Mass Conc. Total (Avg)	50767 Dust Trak TWA (Avg)	801063 Dust Trak Time Stamp (Avg)	801063 Dust Trak Mass Conc. Total (Avg)	801063 Dust Trak TWA (Avg)
Jan 19 2023 9:41:00 AM	7364.7	0.004	0.001	7830.473	0.004	0.002
Jan 19 2023 9:42:00 AM	7424.358	0.004	0.001	7890.377	0.004	0.002
Jan 19 2023 9:43:00 AM	7484.444	0.004	0.001	7950.474	0.004	0.002
Jan 19 2023 9:44:00 AM	7544.312	0.003	0.001	8010.19	0.003	0.002
Jan 19 2023 9:45:00 AM	7604.511	0.004	0.001	8070.261	0.004	0.002
Jan 19 2023 9:46:00 AM	7664.545	0.004	0.001	8130.49	0.004	0.002
Jan 19 2023 9:47:00 AM	7724.307	0.004	0.001	8190.411	0.004	0.002
Jan 19 2023 9:48:00 AM	7784.217	0.004	0.001	8250.257	0.004	0.002
Jan 19 2023 9:49:00 AM	7844.29	0.003	0.001	8310.212	0.003	0.002
Jan 19 2023 9:50:00 AM	7904.362	0.003	0.001	8370.29	0.004	0.002
Jan 19 2023 9:51:00 AM	7964.479	0.004	0.001	8430.378	0.004	0.002
Jan 19 2023 9:52:00 AM	8024.226	0.004	0.001	8490.339	0.004	0.002
Jan 19 2023 9:53:00 AM	8084.408	0.003	0.001	8550.312	0.004	0.002
Jan 19 2023 9:54:00 AM	8144.428	0.004	0.001	8610.207	0.004	0.002
Jan 19 2023 9:55:00 AM	8204.279	0.004	0.001	8670.407	0.004	0.002
Jan 19 2023 9:56:00 AM	8264.673	0.004	0.001	8730.344	0.004	0.002
Jan 19 2023 9:57:00 AM	8324.329	0.004	0.001	8790.473	0.004	0.002
Jan 19 2023 9:58:00 AM	8384.26	0.005	0.001	8850.312	0.005	0.002
Jan 19 2023 9:59:00 AM	8444.279	0.006	0.001	8910.59	0.006	0.002
Jan 19 2023 10:00:00 AM	8504.323	0.005	0.001	8970.461	0.006	0.002
Jan 19 2023 10:01:00 AM	8564.384	0.006	0.001	9030.157	0.006	0.002
Jan 19 2023 10:02:00 AM	8623.989	0.006	0.001	9090.245	0.006	0.002
Jan 19 2023 10:03:00 AM	8684.229	0.005	0.001	9150.073	0.005	0.002
Jan 19 2023 10:04:00 AM	8744.229	0.005	0.001	9210.557	0.005	0.002
Jan 19 2023 10:05:00 AM	8804.194	0.004	0.001	9270.362	0.004	0.002
Jan 19 2023 10:06:00 AM	8864.358	0.004	0.001	9330.094	0.004	0.002
Jan 19 2023 10:07:00 AM	8924.178	0.004	0.001	9390.207	0.004	0.002
Jan 19 2023 10:08:00 AM	8984.179	0.004	0.001	9450.156	0.004	0.002
Jan 19 2023 10:09:00 AM	9044.341	0.005	0.001	9510.395	0.005	0.002
Jan 19 2023 10:10:00 AM	9104.382	0.005	0.001	9570.391	0.005	0.002
Jan 19 2023 10:11:00 AM	9164.345	0.005	0.001	9630.127	0.005	0.002
Jan 19 2023 10:12:00 AM	9224.419	0.005	0.001	9690.007	0.004	0.002
Jan 19 2023 10:13:00 AM	9284.134	0.004	0.001	9750.257	0.004	0.002
Jan 19 2023 10:14:00 AM	9344.361	0.004	0.001	9810.36	0.004	0.002
Jan 19 2023 10:15:00 AM	9404.362	0.004	0.001	9869.962	0.004	0.002
Jan 19 2023 10:16:00 AM	9464.29	0.004	0.001	9930.273	0.004	0.002
Jan 19 2023 10:17:00 AM	9524.262	0.004	0.001	9990.24	0.004	0.002
Jan 19 2023 10:18:00 AM	9584.323	0.004	0.001	10049.994	0.004	0.002
Jan 19 2023 10:19:00 AM	9644.184	0.004	0.001	9437.373	0.004	0.002
Jan 19 2023 10:20:00 AM	9704.291	0.004	0.001	10170.028	0.004	0.002
Jan 19 2023 10:21:00 AM	9764.127	0.004	0.001	10230.423	0.004	0.002
Jan 19 2023 10:22:00 AM	9824.274	0.004	0.001	10290.144	0.004	0.002
Jan 19 2023 10:23:00 AM	9884.216	0.004	0.001	10350.289	0.004	0.002
Jan 19 2023 10:24:00 AM	9944.062	0.006	0.001	10410.075	0.004	0.002
Jan 19 2023 10:25:00 AM	10004.223	0.005	0.001	10470.227	0.004	0.002
Jan 19 2023 10:26:00 AM	10064.262	0.004	0.001	10530.39	0.004	0.002
Jan 19 2023 10:27:00 AM	10124.096	0.004	0.001	10590.276	0.004	0.002
Jan 19 2023 10:28:00 AM	10184.206	0.004	0.001	10650.374	0.004	0.002
Jan 19 2023 10:29:00 AM	10244.128	0.004	0.001	10710.094	0.004	0.002
Jan 19 2023 10:30:00 AM	10304.229	0.004	0.001	10770.062	0.004	0.002
Jan 19 2023 10:31:00 AM	10364.045	0.004	0.001	10829.324	0.004	0.002
Jan 19 2023 10:32:00 AM	10424.093	0.004	0.001	10889.54	0.005	0.002
Jan 19 2023 10:33:00 AM	10484.245	0.006	0.001	10949.473	0.007	0.002
Jan 19 2023 10:34:00 AM	10544.156	0.004	0.001	11009.561	0.005	0.002
Jan 19 2023 10:35:00 AM	10604.195	0.004	0.001	11069.557	0.005	0.002
Jan 19 2023 10:36:00 AM	10663.978	0.004	0.001	11129.445	0.004	0.002
Jan 19 2023 10:37:00 AM	10724.112	0.004	0.001	11189.507	0.004	0.002
Jan 19 2023 10:38:00 AM	10784.294	0.005	0.001	11249.445	0.005	0.002
Jan 19 2023 10:39:00 AM	10844.291	0.004	0.001	11309.556	0.005	0.002
Jan 19 2023 10:40:00 AM	10904.484	0.004	0.001	11369.395	0.005	0.002
Jan 19 2023 10:41:00 AM	10964.34	0.004	0.001	11429.423	0.005	0.002
Jan 19 2023 10:42:00 AM	11024.229	0.004	0.001	11489.344	0.005	0.002
Jan 19 2023 10:43:00 AM	11084.407	0.004	0.001	11549.623	0.005	0.002
Jan 19 2023 10:44:00 AM	11144.383	0.004	0.001	11609.557	0.005	0.002
Jan 19 2023 10:45:00 AM	11204.39	0.004	0.001	11669.444	0.005	0.002
Jan 19 2023 10:46:00 AM	11264.3	0.004	0.001	11729.223	0.005	0.002
Jan 19 2023 10:47:00 AM	11324.535	0.004	0.001	11789.277	0.006	0.002
Jan 19 2023 10:48:00 AM	11384.295	0.004	0.001	11849.507	0.006	0.002
Jan 19 2023 10:49:00 AM	11444.146	0.004	0.001	11909.245	0.006	0.002
Jan 19 2023 10:50:00 AM	11504.344	0.004	0.001	11969.49	0.005	0.002
Jan 19 2023 10:51:00 AM	11564.162	0.004	0.001	12029.327	0.007	0.002

End Time	50767 Dust Trak Time Stamp (Avg)	50767 Dust Trak Mass Conc. Total (Avg)	50767 Dust Trak TWA (Avg)	801063 Dust Trak Time Stamp (Avg)	801063 Dust Trak Mass Conc. Total (Avg)	801063 Dust Trak TWA (Avg)
Jan 19 2023 10:52:00 AM	11624.59	0.004	0.001	12089.407	0.006	0.002
Jan 19 2023 10:53:00 AM	11684.562	0.004	0.001	12149.269	0.006	0.002
Jan 19 2023 10:54:00 AM	11744.178	0.005	0.001	12209.195	0.006	0.002
Jan 19 2023 10:55:00 AM	11804.358	0.004	0.001	12269.29	0.006	0.002
Jan 19 2023 10:56:00 AM	11864.194	0.005	0.001	12329.311	0.005	0.002
Jan 19 2023 10:57:00 AM	11924.332	0.005	0.001	12389.541	0.01	0.002
Jan 19 2023 10:58:00 AM	11984.191	0.005	0.001	12449.093	0.006	0.002
Jan 19 2023 10:59:00 AM	12044.361	0.006	0.001	12509.341	0.007	0.002
Jan 19 2023 11:00:00 AM	12104.162	0.008	0.001	12569.208	0.009	0.002
Jan 19 2023 11:01:00 AM	12164.128	0.005	0.001	12629.291	0.005	0.002
Jan 19 2023 11:02:00 AM	12224.296	0.005	0.001	12689.322	0.005	0.002
Jan 19 2023 11:03:00 AM	12284.206	0.005	0.001	12749.411	0.005	0.002
Jan 19 2023 11:04:00 AM	12344.329	0.005	0.001	12809.34	0.005	0.002
Jan 19 2023 11:05:00 AM	12404.24	0.005	0.001	12869.327	0.006	0.002
Jan 19 2023 11:06:00 AM	12464.134	0.005	0.001	12929.408	0.007	0.002
Jan 19 2023 11:07:00 AM	12524.24	0.005	0.001	12989.144	0.006	0.002
Jan 19 2023 11:08:00 AM	12584.278	0.014	0.001	13049.373	0.009	0.002
Jan 19 2023 11:09:00 AM	12644.329	0.009	0.001	13109.245	0.008	0.002
Jan 19 2023 11:10:00 AM	12704.294	0.005	0.001	13169.19	0.006	0.002
Jan 19 2023 11:11:00 AM	12764.312	0.006	0.002	13229.34	0.007	0.002
Jan 19 2023 11:12:00 AM	12824.306	0.005	0.002	13289.011	0.006	0.003
Jan 19 2023 11:13:00 AM	12884.262	0.005	0.002	13349.34	0.006	0.003
Jan 19 2023 11:14:00 AM	12944.061	0.006	0.002	13409.278	0.006	0.003
Jan 19 2023 11:15:00 AM	13004.179	0.006	0.002	13469.14	0.006	0.003
Jan 19 2023 11:16:00 AM	13064.177	0.006	0.002	13529.377	0.006	0.003
Jan 19 2023 11:17:00 AM	13124.291	0.005	0.002	13589.457	0.006	0.003
Jan 19 2023 11:18:00 AM	13184.145	0.006	0.002	13649.178	0.007	0.003
Jan 19 2023 11:19:00 AM	13244.261	0.007	0.002	13709.49	0.007	0.003
Jan 19 2023 11:20:00 AM	13304.145	0.006	0.002	13769.294	0.007	0.003
Jan 19 2023 11:21:00 AM	13364.24	0.005	0.002	13829.673	0.006	0.003
Jan 19 2023 11:22:00 AM	13424.228	0.005	0.002	13889.224	0.006	0.003
Jan 19 2023 11:23:00 AM	13484.178	0.005	0.002	13949.161	0.005	0.003
Jan 19 2023 11:24:00 AM	13544.334	0.006	0.002	14009.24	0.005	0.003
Jan 19 2023 11:25:00 AM	13604.273	0.006	0.002	14069.161	0.006	0.003
Jan 19 2023 11:26:00 AM	13664.225	0.006	0.002	14129.09	0.006	0.003
Jan 19 2023 11:27:00 AM	13724.295	0.006	0.002	14189.061	0.006	0.003
Jan 19 2023 11:28:00 AM	13784.261	0.006	0.002	14249.119	0.006	0.003
Jan 19 2023 11:29:00 AM	13844.279	0.005	0.002	14309.207	0.006	0.003
Jan 19 2023 11:30:00 AM	13904.157	0.005	0.002	14369.428	0.006	0.003
Jan 19 2023 11:31:00 AM	13964.196	0.006	0.002	14429.456	0.007	0.003
Jan 19 2023 11:32:00 AM	14024.244	0.009	0.002	14489.645	0.009	0.003
Jan 19 2023 11:33:00 AM	14084.178	0.008	0.002	14549.505	0.008	0.003
Jan 19 2023 11:34:00 AM	14144.107	0.006	0.002	14609.577	0.006	0.003
Jan 19 2023 11:35:00 AM	14204.196	0.006	0.002	14669.507	0.006	0.003
Jan 19 2023 11:36:00 AM	14264.061	0.007	0.002	14729.445	0.007	0.003
Jan 19 2023 11:37:00 AM	14324.129	0.006	0.002	14789.54	0.007	0.003
Jan 19 2023 11:38:00 AM	14384.129	0.008	0.002	14849.373	0.01	0.003
Jan 19 2023 11:39:00 AM	14444.644	0.008	0.002	14909.477	0.008	0.003
Jan 19 2023 11:40:00 AM	14504.479	0.007	0.002	14969.473	0.007	0.003
Jan 19 2023 11:41:00 AM	14564.49	0.007	0.002	15015.816	0.007	0.003
Jan 19 2023 11:42:00 AM	14624.562	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:43:00 AM	14684.41	0.006	0.002	15019	0.007	0.003
Jan 19 2023 11:44:00 AM	14744.412	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:45:00 AM	14804.262	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:46:00 AM	14864.44	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:47:00 AM	14924.329	0.006	0.002	15019	0.007	0.003
Jan 19 2023 11:48:00 AM	14984.323	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:49:00 AM	15044.433	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:50:00 AM	15104.323	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:51:00 AM	15164.162	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:52:00 AM	15224.494	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:53:00 AM	15284.375	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:54:00 AM	15344.313	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:55:00 AM	15404.44	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:56:00 AM	15464.312	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:57:00 AM	15524.528	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:58:00 AM	15583.946	0.007	0.002	15019	0.007	0.003
Jan 19 2023 11:59:00 AM	15644.373	0.007	0.002	15019	0.007	0.003
Jan 19 2023 12:00:00 PM	15704.179	0.007	0.002	15019	0.007	0.003
Jan 19 2023 12:01:00 PM	15764.344	0.008	0.002	15019	0.007	0.003
Jan 19 2023 12:02:00 PM	15824.345	0.009	0.002	15019	0.007	0.003
Jan 19 2023 12:03:00 PM	15884.175	0.01	0.002	15019	0.007	0.003

End Time	50767 Dust Trak Time Stamp (Avg)	50767 Dust Trak Mass Conc. Total (Avg)	50767 Dust Trak TWA (Avg)	801063 Dust Trak Time Stamp (Avg)	801063 Dust Trak Mass Conc. Total (Avg)	801063 Dust Trak TWA (Avg)
Jan 19 2023 12:04:00 PM	15944.227	0.01	0.002	15019	0.007	0.003
Jan 19 2023 12:05:00 PM	16004.462	0.011	0.002	15019	0.007	0.003
Jan 19 2023 12:06:00 PM	16064.482	0.01	0.002	15019	0.007	0.003
Jan 19 2023 12:07:00 PM	15047.458	0.01	0.002	15019	0.007	0.003
Jan 19 2023 12:08:00 PM	16184.323	0.011	0.002	15019	0.007	0.003
Jan 19 2023 12:09:00 PM	16244.145	0.011	0.002	15019	0.007	0.003
Jan 19 2023 12:10:00 PM	16304.244	0.012	0.002	15019	0.007	0.003
Jan 19 2023 12:11:00 PM	16364.196	0.012	0.002	15019	0.007	0.003
Jan 19 2023 12:12:00 PM	16424.19	0.012	0.002	15019	0.007	0.003
Jan 19 2023 12:13:00 PM	16484.362	0.012	0.002	15019	0.007	0.003
Jan 19 2023 12:14:00 PM	15364.97	0.012	0.002	15019	0.007	0.003
Jan 19 2023 12:15:00 PM	16402.924	0.012	0.002	15019	0.007	0.003
Jan 19 2023 12:16:00 PM	16664.075	0.012	0.003	15019	0.007	0.003
Jan 19 2023 12:17:00 PM	16724.444	0.012	0.003	15019	0.007	0.003
Jan 19 2023 12:18:00 PM	16784.29	0.012	0.003	15019	0.007	0.003
Jan 19 2023 12:19:00 PM	16844.011	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:20:00 PM	16904.196	0.012	0.003	15019	0.007	0.003
Jan 19 2023 12:21:00 PM	16964.244	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:22:00 PM	17024.196	0.015	0.003	15019	0.007	0.003
Jan 19 2023 12:23:00 PM	17084.279	0.014	0.003	15019	0.007	0.003
Jan 19 2023 12:24:00 PM	17144.206	0.025	0.003	15019	0.007	0.003
Jan 19 2023 12:25:00 PM	17204.079	0.012	0.003	15019	0.007	0.003
Jan 19 2023 12:26:00 PM	17264.21	0.02	0.003	15019	0.007	0.003
Jan 19 2023 12:27:00 PM	17324.146	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:28:00 PM	17384.389	0.012	0.003	15019	0.007	0.003
Jan 19 2023 12:29:00 PM	17444.029	0.023	0.003	15019	0.007	0.003
Jan 19 2023 12:30:00 PM	17504.144	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:31:00 PM	17564.241	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:32:00 PM	17624.294	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:33:00 PM	17684.362	0.016	0.003	15019	0.007	0.003
Jan 19 2023 12:34:00 PM	16557.584	0.01	0.003	15019	0.007	0.003
Jan 19 2023 12:35:00 PM	17804.044	0.01	0.003	15019	0.007	0.003
Jan 19 2023 12:36:00 PM	17864.129	0.01	0.003	15019	0.007	0.003
Jan 19 2023 12:37:00 PM	17924.157	0.01	0.003	15019	0.007	0.003
Jan 19 2023 12:38:00 PM	17083.779	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:39:00 PM	18043.678	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:40:00 PM	18103.624	0.01	0.003	15019	0.007	0.003
Jan 19 2023 12:41:00 PM	18163.562	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:42:00 PM	18223.656	0.01	0.003	15019	0.007	0.003
Jan 19 2023 12:43:00 PM	18283.312	0.01	0.003	15019	0.007	0.003
Jan 19 2023 12:44:00 PM	18343.594	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:45:00 PM	18403.2	0.011	0.003	15019	0.007	0.003
Jan 19 2023 12:46:00 PM	18463.607	0.009	0.003	15019	0.007	0.003
Jan 19 2023 12:47:00 PM	18523.062	0.009	0.003	15019	0.007	0.003
Jan 19 2023 12:48:00 PM	18583.323	0.009	0.003	15019	0.007	0.003
Jan 19 2023 12:49:00 PM	18643.25	0.009	0.003	15019	0.007	0.003
Jan 19 2023 12:50:00 PM	18703.54	0.009	0.003	15019	0.007	0.003
Jan 19 2023 12:51:00 PM	18758.787	0.009	0.003	15019	0.007	0.003
Jan 19 2023 12:52:00 PM	18770	0.009	0.003	15019	0.007	0.003
Jan 19 2023 12:53:00 PM	18770	0.009	0.003	15019	0.007	0.003
Jan 19 2023 12:54:00 PM	18770	0.009	0.003	15019	0.007	0.003
Jan 19 2023 12:55:00 PM				15019	0.007	0.003
Jan 19 2023 12:56:00 PM				15019	0.007	0.003
Jan 19 2023 12:57:00 PM				15019	0.007	0.003
Jan 19 2023 12:58:00 PM				15019	0.007	0.003
Jan 19 2023 12:59:00 PM				15019	0.007	0.003

APPENDIX C

APPENDIX C
Pilot Test
Site Photos

Photo 1 – Injection points as laid out.

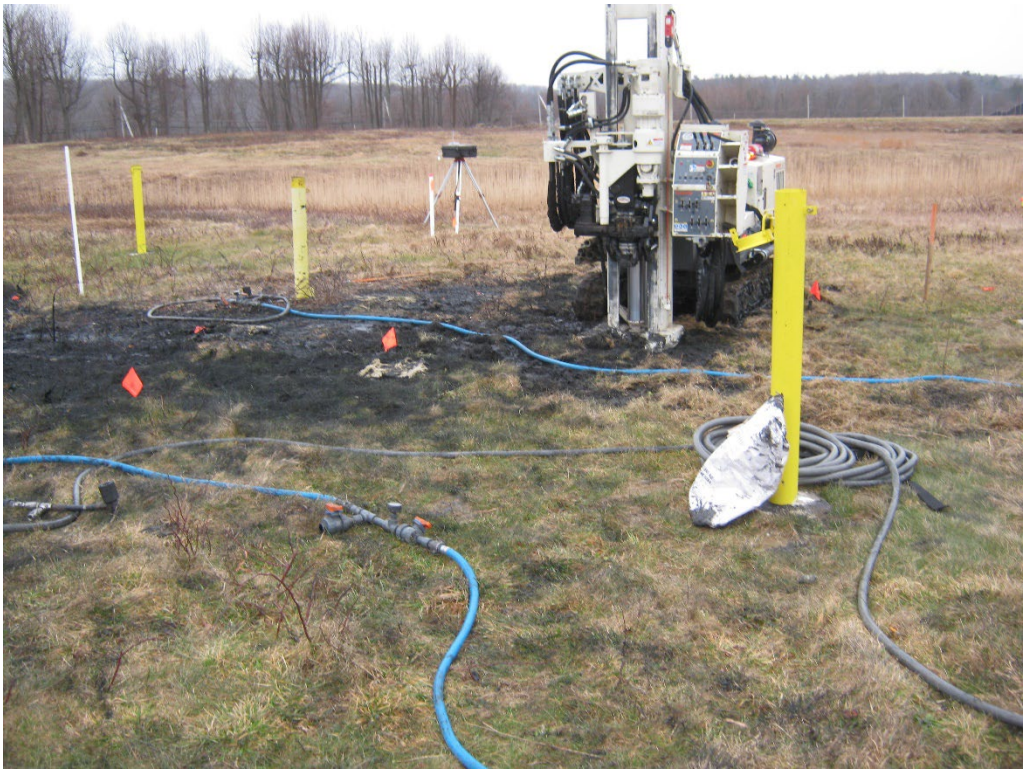


Photo 2 – Drill rig, hose layout and injection area with dust monitoring in background.

APPENDIX C
Pilot Test
Site Photos

Photo 3 – Injection setup with flags marking injection locations.

Photo 4 – Injection trailer and hose layout.