EARTH
ENVIRONMENT
Engineering and Geology P.C.

November 07, 2025

Brittany O'Brien-Drake
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12204

Subject: Soil Sampling Scope of Work
Client ref.: W.F. Lake Corporation – NYSDEC Site No. 558042

Dear Brittany:

Earth Environment Engineering & Geology (EEEG) is pleased to provide the New York State Department of Environmental Conservation (NYSDEC) with this proposed per- and polyfluoroalkyl substances (PFAS) soil sampling approach for the WF Lake Corporation site (Site) located in Kingsbury, NY. The soil sampling objective is to evaluate the extent of soil onsite containing concentrations of PFAS compounds.

The sampling approach described below is based on historical results (Figure 1) and locations of air discharge points on the Site building. EEEG will conduct the soil sampling in accordance with NYSDEC's Sampling, Analysis, and Assessment of PFAS guidance (April 2023) and the site-specific HASP (updated November 2025).

Recommended Soil Sampling Approach:

This task will include sampling based on a grid to evaluate horizontal and vertical extent of PFAS impacts. Samples will be collected with hand augers from the following depths:

- 0-0.5 feet below ground surface (bgs)
- 0.5- 1 feet bgs
- 1- 2 feet bgs

EEEG's recommended systematic sampling approach is to use a uniformly placed grid (20-foot by 20-foot square) onto the site and sample within selected grid cells (Figure 2).

Sample selections are proposed in a non-uniform spatial pattern. (Figure 3). This technique allows for the highest density of samples to be collected near the site structure, with a decreasing

sample density towards the periphery. Developed areas of the grid containing structures or pavement will not be considered as part of the sampling scheme.

Non-disposable sampling equipment (i.e. hand auger) will be decontaminated by washing the sampling equipment with potable water and Alconox®, rinsing with potable water, rinsing with deionized water, and allowing the equipment to air dry. Decontamination procedures will occur before sampling begins between sampling intervals at each location, and prior to moving on to a new location.

Sample Identification and Analysis

Samples will be collected from up to 33 locations at each of the three depths for a total of 99 samples. Analytical soil samples will be collected in accordance with Table 1. Soil sample location IDs start with SS (standard nomenclature for surface soils) and the grid cell number (e.g., A5). Individual sample IDs will begin with the Site number 558042, followed by the sample location ID, followed by the three-digit sample depth in feet and tenths of feet (e.g., 020 for 2.0 ft bgs) (Table 1).

All required QAQC samples will be collected for quality assurance purposes in accordance with EEEG Quality Assurance Program Plan (revised September 2025). Quality control samples will be collected at a rate of one per 20 samples for matrix spike (MS), matrix spike duplicate (MSD), duplicate samples (D), and rinsate blanks (RB). QC sample ID's will be the same as above but include the QC type (MS, MSD, D, RB) following the three-digit sample depth. Rinsate blanks will be collected using PFAS free water. Field blanks (FB) will be collected at a rate of at least one for each day of sampling. Two will be collected on Friday, one during active manufacturing hours (between 6:30AM and 1:00 PM) and one at the end of the day when all manufacturing has ceased. Field blanks will be identified as FB followed by the date (mmddyy) and time (24 hour clock).

Samples will be analyzed for PFAS by USEPA Method 1633A using LC/MS/MS with isotope dilution by a Pace Analytical laboratory certified and experienced with PFAS soil analysis.

Health and Safety

Due to the unknown emission levels from the horizontal vents adjacent to 16 sample locations, and the manufacturing schedule (Monday through Thursday 6:30AM to 11:00 PM, and Friday 6:30AM to 1:00PM), additional health and safety measures will be in place to sample in the identified area outlined in red on Figure 3. Prior to sampling, all field crew will be medically cleared to wear a half mask respirator and fit tested in the event work is necessary within the potential exposure zone (PEZ) while furnaces are running.

The identified area will be roped off and all staff entering the PEZ will be required to wear a half mask respirator during all manufacturing hours and 30 minutes after furnaces have been shut down on Friday. If necessary to enter the PEZ during manufacturing hours, the buddy system will be used. No one will enter the PEZ alone if wearing a respirator. The Half mask respirators will be available to all medically cleared staff working on site.

All hand auguring work in the PEZ will be completed on days and times when no manufacturing is occurring. A buffer time of 30 minutes will be included on Friday after the furnaces are shut off to allow ambient air to disperse. Staff will be allowed to enter the PEZ with no respirator Friday after 1:30PM, Saturday, and Sunday. Standard level D PPE will be worn in accordance with the PFAS protocol outside of the PEZ and inside the PEZ during non-manufacturing hours.

Yours sincerely,

Jean Firth
Project Manager

Suzanne Yerina
Technical Lead

References:

New York State Department of Environmental Conservation (NYSDEC), 2023. Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Programs. April 2023.

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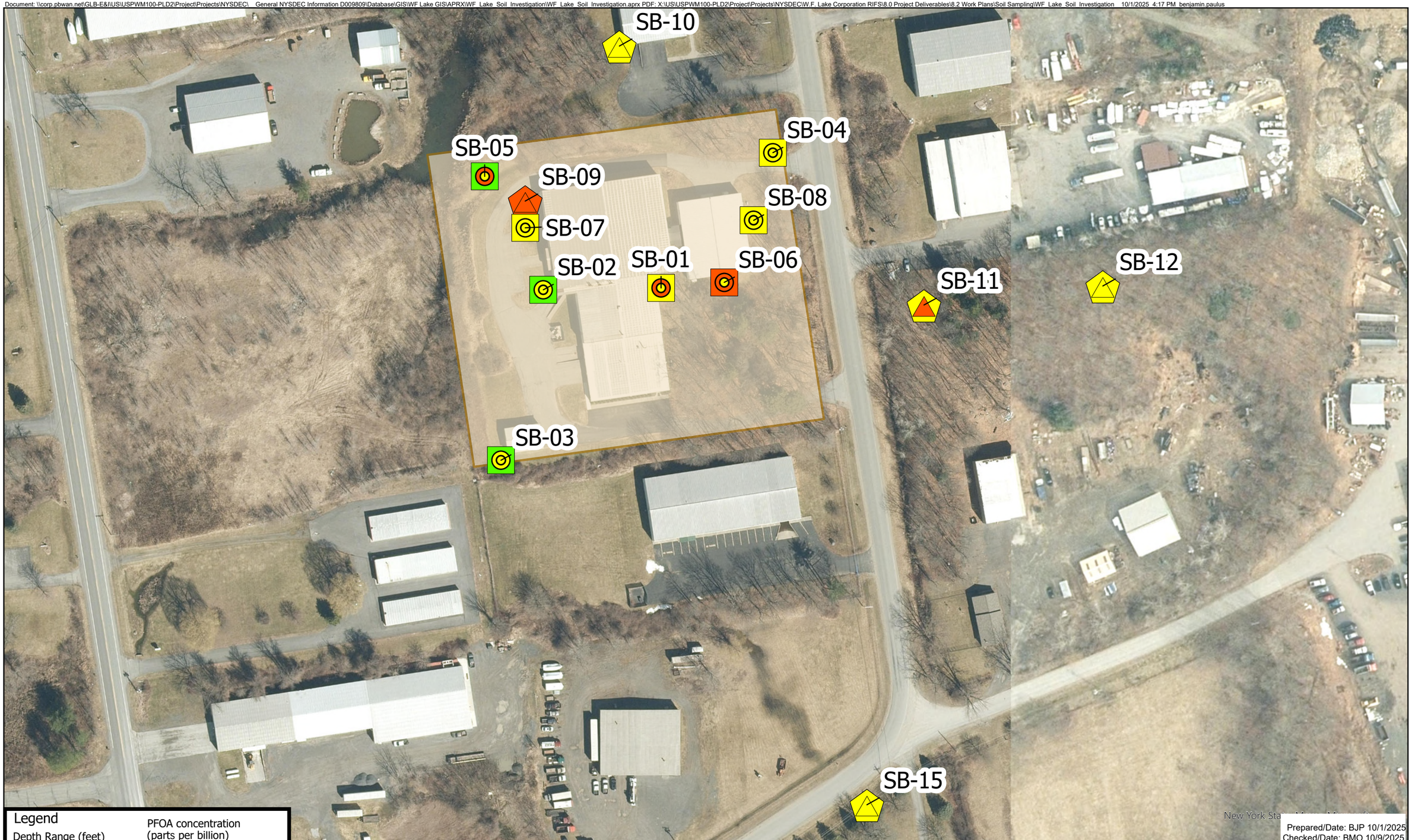

Legend

Depth Range (feet)
- 0-.25
- .25-1
- >3
- 0-2
- 2-12

PFOA concentration (parts per billion)
- <0.8
- 0.8-8
- >8
- Approximate Property Boundary

N

0 25 50 100 Feet

NYSDEC Site # 558042
W.F. Lake Corporation
Kingsbury, New York

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Soils Investigation

Project 3616216155 Figure 1

Prepared/Date: BJP 10/1/2025
Checked/Date: BMO 10/9/2025

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Approximate Property Boundary
20x20 foot Sampling Grid

N

0 12.525 50
Feet

NYSDEC Site # 558042
W.F. Lake Corporation
Kingsbury, New York

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Soils Investigation Sampling Layout

Project 3616216155 Figure 2

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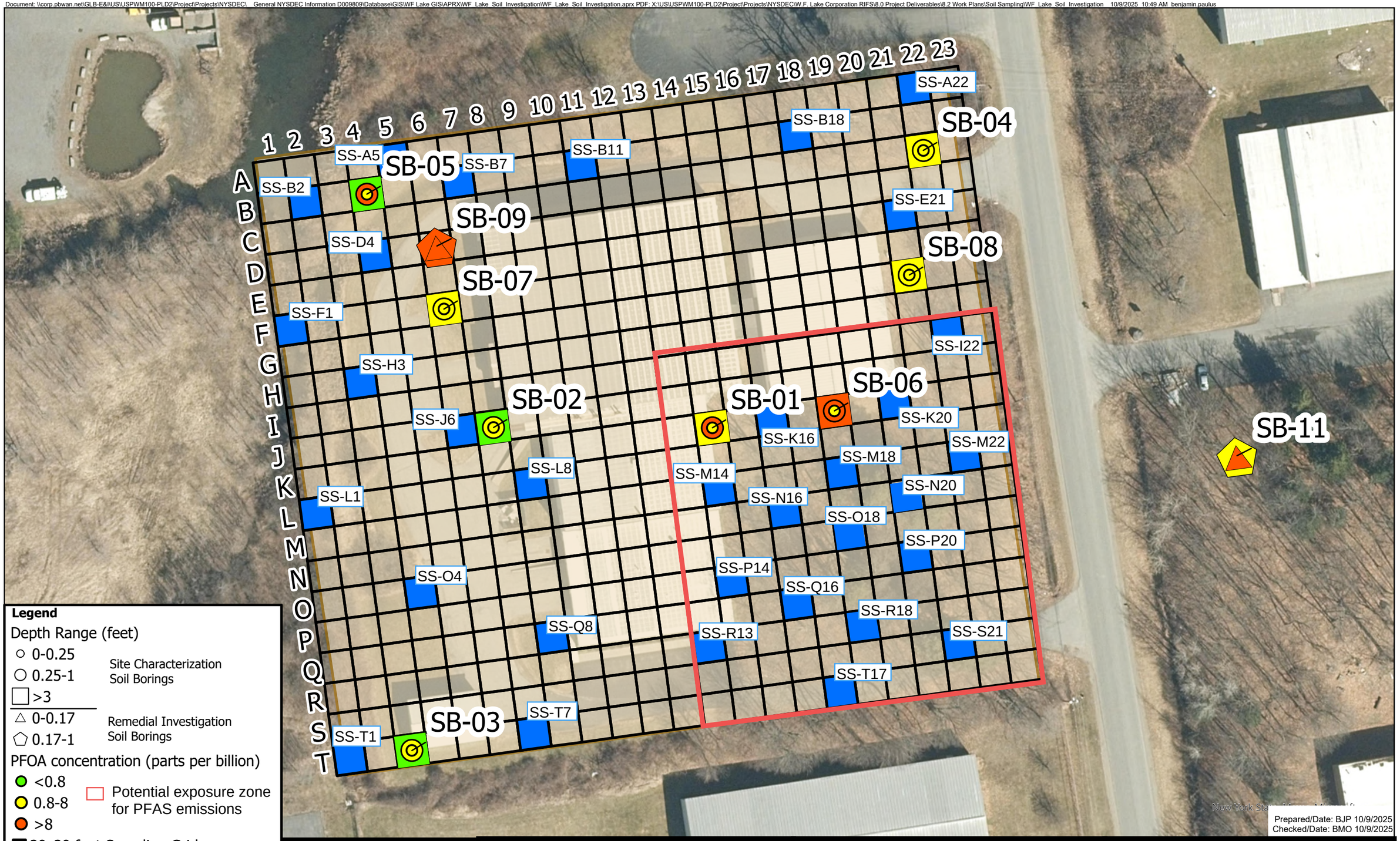

Legend

Depth Range (feet)

- ○ 0-0.25
- ○ 0.25-1
- □ >3

Site Characterization Soil Borings

- △ 0-0.17
- ⬠ 0.17-1

Remedial Investigation Soil Borings

PFOA concentration (parts per billion)

- <0.8
- 0.8-8
- >8

Potential exposure zone for PFAS emissions

- 20x20 foot Sampling Grid
- Proposed Soil Boring Location
- Approximate Property Boundary

N

0 12.525 50

Feet

NYSDEC Site # 558042
W.F. Lake Corporation
Kingsbury, New York

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Soils Investigation Sampling Plan With Soil Boring Results
Project 3616216155 Figure 3

Prepared/Date: BJP 10/9/2025
Checked/Date: BMO 10/9/2025

Table 1 - Sample Identification and Analytical Schedule

Grid Cell	Location ID	Sample Depth Interval (ft bgs)	Sample ID	QC Code	PFAS	NOTES
A5	SS-A5	0 - 0.5	558042-SSA5005	FS	1633A	
		0.5 - 1	558042-SSA5010	FS	1633A	
		1 - 2	558042-SSA5020	FS	1633A	
A22	SS-A22	0 - 0.5	558042-SSA22005	FS	1633A	
		0.5 - 1	558042-SSA22010	FS	1633A	
		1 - 2	558042-SSA22020	FS	1633A	
B2	SS-B2	0 - 0.5	558042-SSB2005	FS	1633A	
		0.5 - 1	558042-SSB2010	FS	1633A	
		1 - 2	558042-SSB2020	FS	1633A	
B7	SS-B7	0 - 0.5	558042-SSB7005	FS	1633A	
		0.5 - 1	558042-SSB7010	FS	1633A	
		1 - 2	558042-SSB7020	FS	1633A	
B11	SS-B11	0 - 0.5	558042-SSB11005	FS	1633A	
		0.5 - 1	558042-SSB11010	FS	1633A	
		1 - 2	558042-SSB11020	FS	1633A	
B18	SS-B18	0 - 0.5	558042-SSB18005	FS	1633A	
		0.5 - 1	558042-SSB18010	FS	1633A	
		1 - 2	558042-SSB18020	FS	1633A	
D4	SS-D4	0 - 0.5	558042-SSD4005	FS	1633A	
		0.5 - 1	558042-SSD4010	FS	1633A	
		0.5 - 1	558042-SSD4010D	D	1633A	
		0.5 - 1	558042-SSD4010MS	MS	1633A	
		0.5 - 1	558042-SSD4010MSD	MSD	1633A	
		0.5 - 1	558042-SSD4010RB	RB	1633A	
		1 - 2	558042-SSD4020	FS	1633A	
E21	SS-E21	0 - 0.5	558042-SSE21005	FS	1633A	
		0.5 - 1	558042-SSE21010	FS	1633A	
		1 - 2	558042-SSE21020	FS	1633A	
F1	SS-F1	0 - 0.5	558042-SSF1005	FS	1633A	
		0.5 - 1	558042-SSF1010	FS	1633A	
		1 - 2	558042-SSF1020	FS	1633A	
H3	SS-H3	0 - 0.5	558042-SSH3005	FS	1633A	
		0.5 - 1	558042-SSH3010	FS	1633A	
		1 - 2	558042-SSH3020	FS	1633A	
I22	SS-I22	0 - 0.5	558042-SSI22005	FS	1633A	
		0.5 - 1	558042-SSI22010	FS	1633A	
		1 - 2	558042-SSI22020	FS	1633A	
J6	SS-J6	0 - 0.5	558042-SSJ6005	FS	1633A	
		0.5 - 1	558042-SSJ6010	FS	1633A	
		1 - 2	558042-SSJ6020	FS	1633A	
K16	SS-K16	0 - 0.5	558042-SSK16005	FS	1633A	
		0.5 - 1	558042-SSK16010	FS	1633A	
		1 - 2	558042-SSK16020	FS	1633A	

Notes:

Quaulity Control (QC) - D = duplicate, MS/MSD = matrix spike/matrix spike duplicate, RB = Rinsate Blank

FB - Field Blank

Field QC samples will be collected on a schedule of 5% D, 5% MS/MSD, and 5% RB

Field QC sample IDs are identical to that of the parent sample, with the addition of an "D, MS, MSD, or RB."

Sample suffix will be completed as the three digit bottom sample depth (e.g. 0.2-2 ft sample = 020)

SS - Surface Soil

ft bgs - Feet below ground surface

Analyses:

PFAS = Per- and Polyfluoroalkyl Substances by USEPA 1633A

Created by: PG 10/29
Checked by: BMO 10/31

Table 1 - Sample Identification and Analytical Schedule

Grid Cell	Location ID	Sample Depth Interval (ft bgs)	Sample ID	QC Code	PFAS	NOTES
K20	SS-K20	0 - 0.5	558042-SSK20005	FS	1633A	
		0 - 0.5	558042-SSK20005D	D	1633A	
		0 - 0.5	558042-SSK20005MS	MS	1633A	
		0 - 0.5	558042-SSK20005MSD	MSD	1633A	
		0 - 0.5	558042-SSK20005RB	RB	1633A	
		0.5 - 1	558042-SSK20010	FS	1633A	
		1 - 2	558042-SSK20020	FS	1633A	
L1	SS-L1	0 - 0.5	558042-SSL1005	FS	1633A	
		0.5 - 1	558042-SSL1010	FS	1633A	
		1 - 2	558042-SSL1020	FS	1633A	
L8	SS-L8	0 - 0.5	558042-SSL8005	FS	1633A	
		0.5 - 1	558042-SSL8010	FS	1633A	
		1 - 2	558042-SSL8020	FS	1633A	
M14	SS-M14	0 - 0.5	558042-SSM14005	FS	1633A	
		0.5 - 1	558042-SSM14010	FS	1633A	
		1 - 2	558042-SSM14020	FS	1633A	
M18	SS-M18	0 - 0.5	558042-SSM18005	FS	1633A	
		0.5 - 1	558042-SSM18010	FS	1633A	
		1 - 2	558042-SSM18020	FS	1633A	
M22	SS-M22	0 - 0.5	558042-SSM22005	FS	1633A	
		0.5 - 1	558042-SSM22010	FS	1633A	
		1 - 2	558042-SSM22020	FS	1633A	
N16	SS-N16	0 - 0.5	558042-SSN16005	FS	1633A	
		0.5 - 1	558042-SSN16010	FS	1633A	
		1 - 2	558042-SSN16020	FS	1633A	
		1 - 2	558042-SSN16020D	D	1633A	
		1 - 2	558042-SSN16020MS	MS	1633A	
		1 - 2	558042-SSN16020MSD	MSD	1633A	
		1 - 2	558042-SSN16020RB	RB	1633A	
N20	SS-N20	0 - 0.5	558042-SSN20005	FS	1633A	
		0.5 - 1	558042-SSN20010	FS	1633A	
		1 - 2	558042-SSN20020	FS	1633A	
O4	SS-O4	0 - 0.5	558042-SSO4005	FS	1633A	
		0.5 - 1	558042-SSO4010	FS	1633A	
		1 - 2	558042-SSO4020	FS	1633A	
O18	SS-O18	0 - 0.5	558042-SSO18005	FS	1633A	
		0.5 - 1	558042-SSO18010	FS	1633A	
		1 - 2	558042-SSO18020	FS	1633A	
P14	SS-P14	0 - 0.5	558042-SSP14005	FS	1633A	
		0.5 - 1	558042-SSP14010	FS	1633A	
		1 - 2	558042-SSP14020	FS	1633A	
P20	SS-P20	0 - 0.5	558042-SSP20005	FS	1633A	
		0.5 - 1	558042-SSP20010	FS	1633A	
		1 - 2	558042-SSP20020	FS	1633A	
Q8	SS-Q8	0 - 0.5	558042-SSQ8005	FS	1633A	
		0.5 - 1	558042-SSQ8010	FS	1633A	
		1 - 2	558042-SSQ8020	FS	1633A	

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Q16	SS-Q16	0 - 0.5	558042-SSQ16005	FS	1633A	
		0.5 - 1	558042-SSQ16010	FS	1633A	
		0.5 - 1	558042-SSQ16010D	D	1633A	
		0.5 - 1	558042-SSQ16010MS	MS	1633A	
		0.5 - 1	558042-SSQ16010MSD	MSD	1633A	
		0.5 - 1	558042-SSQ16010RB	RB	1633A	
		1 - 2	558042-SSQ16020	FS	1633A	
R13	SS-R13	0 - 0.5	558042-SSR13005	FS	1633A	
		0.5 - 1	558042-SSR13010	FS	1633A	
		1 - 2	558042-SSR13020	FS	1633A	
R18	SS-R18	0 - 0.5	558042-SSR18005	FS	1633A	
		0.5 - 1	558042-SSR18010	FS	1633A	
		1 - 2	558042-SSR18020	FS	1633A	
S21	SS-S21	0 - 0.5	558042-SSS21005	FS	1633A	
		0.5 - 1	558042-SSS21010	FS	1633A	
		1 - 2	558042-SSS21020	FS	1633A	
T1	SS-T1	0 - 0.5	558042-SST1005	FS	1633A	
		0.5 - 1	558042-SST1010	FS	1633A	
		1 - 2	558042-SST1020	FS	1633A	
T7	SS-T7	0 - 0.5	558042-SST7005	FS	1633A	
		0.5 - 1	558042-SST7010	FS	1633A	
		1 - 2	558042-SST7020	FS	1633A	
T17	SS-T17	0 - 0.5	558042-SST17005	FS	1633A	
		0.5 - 1	558042-SST17010	FS	1633A	
		1 - 2	558042-SST17020	FS	1633A	
		1 - 2	558042-SST17020D	D	1633A	
		1 - 2	558042-SST17020MS	MS	1633A	
		1 - 2	558042-SST17020MSD	MSD	1633A	
		1 - 2	558042-SST17020RB	RB	1633A	
			558042-FBmmddyy_hhmm	FB	1633A	
			558042-FBmmddyy_hhmm	FB	1633A	
			558042-FBmmddyy_hhmm	FB	1633A	
			558042-FBmmddyy_hhmm	FB	1633A	
			558042-FBmmddyy_hhmm	FB	1633A	
			558042-FBmmddyy_hhmm	FB	1633A	

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