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March 5, 2024

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management, 12th Floor
625 Broadway
Albany, New York 12233-7012

Attention: Justin Starr

Subject: **RI FAP Addendum Three (Revised) for the Irvington Rugs and Cleaners Site
Site (Site 360175)
Work Assignment # D009809-28
MACTEC Engineering and Geology, P.C., Project # 3616216144**

Dear Mr. Starr,

MACTEC Engineering and Geology, P.C. (MACTEC) is submitting this Field Activities Plan (FAP) Addendum for the Irvington Rugs and Cleaners Site (Site) (WA Issuance D009809-28). The original Remedial Investigation/Feasibility Study (RI/FS) FAP was issued in March 2022 (MACTEC, 2022).

Per-and polyfluoroalkyl substances (PFAS) have been detected in groundwater at and downgradient of the Irvington Rugs and Cleaners Site, in Irvington, NY (New York State Department of Environmental Conservation [NYSDEC] Site Number 360175) at concentrations above groundwater standards. The highest concentrations of PFAS were detected in groundwater below the site, with lesser concentrations downgradient. In addition, surface and shallow sub-surface soil sampling in the vicinity of the rear of the Site building (i.e., vicinity of the loading door) indicated PFAS in soil at

concentrations above New York State guidance values. The downgradient edge of the PFAS groundwater plume has not been defined.

To evaluate current site groundwater conditions, groundwater will be collected from MW-3D, and well DP-4, located at and adjacent to the Site, using low flow sampling techniques (SOP S3).

In addition, to evaluate groundwater further downgradient to the west (i.e., west of North Dutcher Street), water present in the sump located in the crawl space/basement of 45 Main Street, assumed to represent groundwater, will be collected once the standing water has been drained by the sump pump and fresh water has permeated the sump. The sample will be collected by dipping the sample bottle into the sump water until almost full. The groundwater samples will be analyzed for PFAS following United States Environmental Protection Agency Method 1633. Sample IDs and quality control are presented in Table 1.

The SOPs listed previously can be found in the MACTEC Quality Assurance Program Plan (MACTEC, 2020). Other field work protocols, including handling investigation derived waste and health and safety can be found in the original FAP (MACTEC, 2022). Results of the sampling will be incorporated into the RI report.

Please let us know if you have any questions or need any additional information.

Sincerely,

MACTEC Engineering and Geology, P.C.



Meril Benny
Field Lead



Charles Staples, P.G.
Project Manager

References:

MACTEC Engineering and Geology, PC (MACTEC), 2022. Field Activities Plan, Remedial Investigation/Feasibility Study, Irvington Rugs and Cleaners. March 2022.

MACTEC, 2020. *Quality Assurance Program Plan and Program Field Activities Plan*. Prepared for the New York State Department of Environmental Conservation, Albany, New York. April 2020.

Table 1: Proposed Sampling and Analytical Program

Location ID	Media	Property Location	Sample Location Description	Sample Type	Sampling Interval (feet BGS)	Sample ID	PFAS Method 1633	Notes
GW Sampling								
DP-4	Water	49 Main St	Backyard Microwell	Peristaltic Pump	11-12	360175-DP004012	1	Sample, Turbidity under 25 NTU
						360175-DP004012MS	1	Matrix Spike (MS)
						360175-DP004012MSD	1	MS Duplicate
DW-6	Water	45 Main St	Basement Sump	Grab Sample	1	360175-DW006	1	Sample
						360175-DW006D	1	Duplicate
MW-3D	Water	53 Main St	Driveway	Peristaltic Pump	26-27	360175-MW003D027	1	Sample, Turbidity under 25 NTU
TOTAL SAMPLES							6	

NOTES:

BGS = below ground surface

Sample ID: 360175 = NYSDEC Site No.; followed by location ID and sample depth.

Field Quality Control samples (duplicates, matrix spike, matrix spiked duplicates) will be collected at a frequency of 5% (1:20 samples) and are indicated by a letter at the end of the sample ID (D, MS, MD)

PFAS = per and polyfluoroalkyl substances