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January 24, 2025

Sydney Sobol
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor.
Albany, NY 12233-7013

RE: Progress Report #58 (January 6 through January 19, 2025)
Interim Corrective Measure, Astoria East Yard, Astoria, New York
(NYSDEC Permit No. 2-6301-00006/00002-0)
NYSDEC Site Number: 241012, EPA ID #: NYD980593636

Dear Ms. Sobol:

This progress report has been prepared on behalf of Consolidated Edison of New York, Inc. (Con Edison) to describe the Interim Corrective Measure (ICM) activities being conducted at the Astoria East Transformer Yard (the Site) located in Con Edison's Astoria Facility in Queens, New York, under the NYSDEC-approved 2014 ICM Plan and USEPA-approved 2022 Final PCB Self-Implementing Cleanup Plan (SICP).

ICM Activities Completed During the Reporting Period

Activities for Phase 3 were continued during the reporting period, with activities in Phase 2 being finalized. Activities below are associated with Phase 3 unless noted otherwise.

PCB Excavation Areas

- Additional excavation of a step-out area was conducted in PCB Excavation Area 15 to approximately 7 feet bgs (a minimum of 1.5 feet below the bottom sample where the PCB concentration exceeded the relevant cleanup criteria) and approximately 8 feet outward in all directions. Three additional confirmatory post-excavation sidewall samples and one bottom sample were collected. The quantity of post-excavation samples collected was greater than the minimum frequency of one per 30 linear feet and one per 400 square feet due to the distribution of samples with exceedances. All PCB concentrations were below the applicable cleanup criterion of ≤100 mg/kg for >2 ft bgs.
- Additional excavation of a step-out area was conducted in PCB Excavation Area 17 to approximately 5 feet outward of the sidewall sample where the PCB concentration exceeded the relevant cleanup criteria and to approximately 6.5 feet bgs. Three additional confirmatory post-excavation sidewall samples were collected. All PCB concentrations were below the applicable cleanup criterion of ≤100 mg/kg for >2 ft bgs.
- Continued excavation of concrete, asphalt, and soil from portions of PCB Excavation Areas 10, 11, and 17 with 20 loads of TSCA Hazardous Waste for off-site disposal.
- Collection of 5 confirmatory post-excavation bottom samples (1 per 400 square feet) from PCB Excavation Areas 15 and 16 for PCB analysis. One bottom sample from PCB Excavation Area 16 was also analyzed for VOCs and SVOCs at a frequency of one per 2,500 square feet. All PCB concentrations were below the applicable cleanup criteria of ≤25 mg/kg for 0-2 ft bgs and ≤100 mg/kg for >2 ft bgs.
- Continued placement and compaction of backfill in PCB Excavation Areas 7, 9, 12, 15, 16, and 17. Tectonic Engineering (Tectonic), a third-party inspector, conducted compaction testing of subgrade and subbase with visual inspection of the subgrade.
- Collection of discrete and composite in situ waste characterization samples behind the soldier piles on the southwestern boundaries of PCB Excavation Areas 10 and 11, where excavation will be required to complete installation of shoring. Thirteen discrete samples were collected (five asphalt/concrete, eight soil) from five locations approximately 25 feet apart along the planned excavation extent. One composite soil sample, representative of the five locations, was collected and analyses for RCRA and facility required disposal criteria.
- Continued installation of formwork and rebar for concrete slabs within PCB Excavation Area 7.
- Surveying of confirmatory post-excavation sample locations by Mirmax Engineering.

Non-PCB Excavation Areas

- Commence installation of formwork and rebar for slabs within CS11. Tectonic conducted rebar inspections.
- Surveying of existing stormwater structures in the North Storage Yard prior to the replacement of the existing trench drains and installation of an additional manhole, by Mirmax Engineering.

Excavation and Disposal Quantities

Waste Stream	Excavated (tons)		Source(s)	Manifest(s) / BOL(s)
	Biweekly	Total		
TSCA Hazardous Waste (PCBs ≥50ppm)	515.82	17769.46	PCB Excavation Areas 10, 11, and 17	020223133 FLE – 020223152 FLE
	--	2 drums	--	--
TSCA and RCRA Lead Hazardous Waste	--	625.18	--	--
PCB Remediation Waste (PCBs <50ppm)	--	18764.08	--	--
General Construction Waste	--	680 CY	--	--
Metal Debris for Recycling	--	30 CY	--	--

Post-Excavation Sampling and Preliminary Data Received

Excavation Area	Sample Date	Sample ID	Sample Type	Analyses	Approximate Sample Depth (ft bgs)	Total PCBs (mg/kg)
Area 15	1/9/2025	EX15-SDW-05B	Sidewall	PCBs	±5	16
		EX15-SDW-06B	Sidewall	PCBs	±5	0.19
		EX15-SDW-07B	Sidewall	PCBs	±5	44
		EX15-BOT-26	Bottom	PCBs	±7	14
	1/10/2025	EX15-BOT-27	Bottom	PCBs	±2[4]	36
Area 16	1/6/25	EX16-BOT-01	Bottom	PCBs, VOCs, SVOCs	±7	0.086
		EX16-BOT-02	Bottom	PCBs	±7	0.35
		EX16-BOT-03	Bottom	PCBs	±7	1.6
		EX16-BOT-04	Bottom	PCBs[3]	±7	1.2
Area 17	1/8/25	EX17-SDW-07B	Sidewall	PCBS	±6.5	0.75
		EX17-SDW-08B	Sidewall	PCBs	±6.5	2.2
		EX17-SDW-09B	Sidewall	PCBs	±6.5	0.069 U

1. Sample depths are approximate, sample elevations are pending survey.
2. Cleanup criteria (total PCBs): ≤25 mg/kg (0-2 ft bgs); ≤100 mg/kg (>2 ft bgs). Any bolded concentrations indicate an exceedance of the criteria.
3. A duplicate and matrix spike/matrix spike duplicate were also collected and submitted for PCB analysis.
4. Sample was taken at depth of approximately 30 inches; therefore it is below the applicable criteria of ≤100 mg/kg for >2 ft bgs.
5. U – result is less than the method detection limit.

Backfill Material

Area	Backfill Material	Backfill Source	Quantity (CY) [1]
PCB Excavation Areas 7, 9, 12, 15, 16, and 17	Natural Item-4	Tillcon, West Nyack Quarry	3,200 CY

1. Quantity of Natural Item-4 is provided in tons on bills of lading beginning in September 2024. Cubic yards calculated using density of 102 lb/CF.

Upcoming ICM Activities (January 20 through February 2, 2025)

- Continue excavation of PCB Excavation Areas 7, 10, 11, and 15 and load-out of TSCA Hazardous Waste.
- Continue collection of post-excavation confirmatory samples within PCB Excavation Areas 7, 10, 11, and 15.
- Placement and compaction of backfill within PCB Excavation Areas 7, 10, 11, 12, 15, 16, and 17.
- Continue formwork and rebar installation for concrete slabs in CS11 and PCB Excavation Area 7.
- Continue concrete pours for slabs within CS11 and PCB Excavation Area 7.
- Commence footing repair of Overhead Crane.

If you have any questions or need additional information, please call me at (443)798–8321.

Sincerely,

Jessica Bennett, PE, CIH
Project Manager

cc: Maurice Hanashy, Con Edison (hanashym@coned.com)