

**CONSTRUCTION COMPLETION REPORT FOR
BUILDING NO. 8 MITIGATION AND DEMOLITION**

**Former Air Force Plant No. 51
(NYSDEC Site Number 828156)**

**NYSDEC STANDBY ENGINEERING CONTRACT
Work Assignment No. D007625-24**

**PREPARED FOR
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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List of Acronyms

6NYCRR	Title 6 of the Official Compilation of New York Codes, Rules and Regulations
ACM	asbestos-containing materials
AFP	Air Force Plant
amsl	above mean sea level
bgs	below ground surface
CFR	Code of Federal Regulations
HASP	Health and Safety Plan
HDR	Henningson, Durham and Richardson Architecture and Engineering P.C.
IRM	Interim Remedial Measure
LBP	lead-based paint
mg/cm²	milligrams per square centimeter
mg/kg	milligram per kilogram
ND	non-detect
NYSDEC	New York State Department of Environmental Conservation
OU	Operable Unit
PCBs	polychlorinated biphenyls
PDI	Pre-Design Investigation
ppb	parts per billion
ppm	parts per million
SCOs	soil cleanup objectives
SMP	Site Management Plan
SVOC	Semi-volatile organic compounds
TAL	Target Analyte List
TCL	Target Compound List
TSCA	Toxic Substance Control Act
USEPA	United States Environmental Protection Agency
VOC	Volatile organic compounds
XRF	X-ray fluorescence spectroscopy

1.0 INTRODUCTION

Henningson, Durham, and Richardson Architecture and Engineering, P. C. (HDR) was retained by the New York State Department of Environmental Conservation (NYSDEC) to prepare this Construction Completion Report documenting the mitigation and demolition of the former transformer building identified as Building No. 8 at the Former Air Force Plant No. 51 (AFP51) site (No. 828156) located in the Town of Greece, Monroe County, New York. HDR provided site inspection services during this work under Work Assignment 24 of Standby Engineering Contract D007625. Building No. 8 mitigation and demolition services were performed by LaBella Associates, D.P.C. (LaBella) and their subcontractors (AAC Contracting, Inc.) and Paradigm Environmental Services under a separate Standby Remediation Contract with the NYSDEC.

1.1 Site Location and Description

The Former AFP51 site consists of an approximately 33.6-acre property (addressed as 4777 Dewey Avenue) located on the west side of Dewey Avenue in the Town of Greece, New York. The facilities on the site were generally constructed in the early 1940's. The site is bordered to the north by Monroe County Shoremont Water Treatment Plant; to the east by Dewey Avenue, with a residential apartment complex beyond; to the west by vacant undeveloped land and New York State/Federal wetlands (containing Round Pond Creek); and to the south by the Ontario State Parkway with commercial and residential property beyond. The site is currently zoned as flexible office/industrial I. Figure 1 shows the site location and Figure 2 provides a site map.

The AFP51 site is currently unoccupied and inactive. It included several large and mid-sized buildings and slabs surrounded by paved areas, roadways, and open fields. Several buildings including the main production building (Building No. 1) were demolished in 2015, but the remaining stormwater infrastructure is still functional to some degree and the building slab was left in place. Building No. 8 was a small 1-story structure located to the west of Building No. 1 and is the subject of this report. The building housed three large transformers, a battery rack and switchgear for supplying power to the facility. Access to portions of the site is controlled by a wire gate. Figure 2 shows an aerial image of the site, with property boundaries, current and demolished buildings and slabs, and other reference features. Building No. 8 lies within NYSDEC's designated Operable Unit 2 (OU2), which includes the property and on-site elements.

The property generally slopes gently to the west towards a wetland. The former septic system/leachfield area, in a wooded area west of former Building No. 1 and Building No. 8, was decommissioned several years ago; piping and remnants of the septic tank and leachfield are still present. The former septic system / leachfield and stormwater infrastructure are being addressed by NYSDEC as part of OU2 assessment and remediation efforts.

The main storm sewer system for the site consists of a series of interconnected catch basins that eventually discharge into the wetland that is part of Round Pond Creek just beyond the northwest corner of the site, and to the ground just south of the open channel located on Monroe County Water Authority property located adjacent to and north of the site (wherein off-site areas are

designated as OU3). The wetlands outfall location is also in proximity to a former on-site metal plating pond (designated by NYSDEC as OU1).

Building No. 8 was located along the western edge of the slab of former Building No. 1, within the OU2 portion of the site (see Figure 2). Building No. 8 was likely constructed at the same time as Building No. 1, as it served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switchgear for the Rochester Gas & Electric Co. electric feeder, a 600 KVA oil filled transformer bank housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. Transformers remained on a concrete pad located on the west side of the building at the time of mitigation and demolition.

The general dimensions of Building No. 8 were approximately 48 feet by 25 feet and covered an approximate area of 1,200 square feet. It was a single-story building with a single large room and a semi-partitioned portion located along the northeastern wall. Construction materials included cinderblock walls supported by horizontal steel I-beams, a concrete slab floor, and corrugated metal roofing overlain with plywood and tar roofing materials. The semi-partitioned area was the transformer vault, measuring 19 feet by 10 feet, and was composed of cinderblocks, metallic grates, and metallic grate door. Three 200 KVA transformers with "No PCB" stickers, indicating prior PCB removal, were present within this vault. Miscellaneous other materials, such as window glaze and caulking, and possible lead-painted surfaces, were noted within Building No. 8 during prior assessments.

2.0 BUILDING ASSESSMENT ACTIVITIES

Building assessment activities conducted to evaluate the presence of contaminants within and beneath Building No. 8 are outlined below.

2.1 December 2001 NYSDEC Investigation

On December 3, 2001, the NYSDEC, Monroe County Health Department and Day Environmental, Inc. (Day) conducted a site tour and found the following items inside Building No. 8:

- Containers of Chlorextol (PCB-containing dielectric fluid) and other unlabeled containers of liquid;
- Several transformers; and
- A bank of batteries and switchgear.

The NYSDEC required that all waste materials, including transformer fluids, be characterized and any hazardous wastes be properly removed and disposed at a licensed hazardous waste disposal facility by March 6, 2002.

According to a January 13, 2009 letter by Paul Hastings, attorney on behalf of 4800 Dewey Avenue, to the NYSDEC, a chemical material inventory was completed as part of the New York State Voluntary Cleanup Program (VCP), and inventoried materials were characterized, removed and disposed off-site (including glass containers of Chlorextol, electrical equipment, some transformers and batteries). Plastic sheeting and plywood was installed on the floor of Building No. 8, the access door was boarded up and PCB signage was installed on the building's exterior (Day 2001).

2.2 December 2004 Day Environmental Independent Study

Day Environmental collected concrete chip samples, wipe samples, concrete core samples and unconsolidated material samples from within and/or adjacent to Building No. 8 during December 2004. The results of sampling were provided in a progress report submitted to the landowner and NYSDEC during January 2005.

Two concrete chip samples and one wipe sample were obtained within Building No. 8 and submitted for PCB laboratory analysis. Refer to Figure 3 for historical sampling locations. No additional details regarding sample collection methods were provided in the progress report. The laboratory analytical report indicated the following sample results for Building No. 8:

- CC-03: Aroclor-1260 = 660 ug/kg (or 0.66 parts per million - ppm)
- CC-04: Aroclor-1260 = 67,000 E ug/kg (dilution factor = 10) (or 67 ppm)
- WP-03: Aroclor-1260 = 13 ug/wipe (or 0.013 ppm/wipe)

Prior documents identified a historical concrete core sample was collected inside Building No. 8 with PCBs detected at a concentration of 88 ppm, as reported in a 2006 NYSDEC power point presentation. The location of this sample is believed to be the CC-04 sample prior to its dilution.

Day also collected concrete chip samples from a transformer pad outside Building No. 8, at its south side. These samples, identified as DAYCC-01 and DAYCC-02, were reported to have PCB concentrations of 40 ug/kg and 65 ug/kg, respectively. Wipe samples were also collected from the transformers within Building No. 1. Sample WP-01 was collected from a transformer on the western side of the north portion of Building No. 1 whereas WP-02 was collected from a transformer on the western side of the south portion of Building No. 1. PCB results of the WP-01 and WP-02 samples were non-detect and 13 ug/wipe, respectively.

On December 2, 2004, Day collected an unconsolidated material sample from catch basin CB-3, located within the immediate vicinity of Building No. 8, and this sample was split with NYSDEC. Aroclor-1268 and Aroclor-1260 were detected at concentrations of 57,000 ug/kg (57 mg/kg) in the NYSDEC split CB-3 unconsolidated material sample, and 16,000 ug/kg (16 mg/kg) in the Day CB-3 unconsolidated material sample, respectively (the analysis of PCB Aroclor-1268 was not requested by Day during this sampling event). Other samples collected by Day in the immediate vicinity of Building No. 8 included the following:

- TP2-2, located north of Building No. 8. The subsurface soil sample, collected at 1 foot below ground surface (bgs), exhibited a concentration of 120 ug/kg (0.12 mg/kg) of Aroclor-1260.
- TP2-15A, located northwest of Building No. 8. The subsurface soil sample, collected at 8 feet bgs, was non-detect for PCBs.
- TP2-1, located south/southwest of Building No. 8. The subsurface soil sample, collected at 1-2 feet bgs, was non-detect for PCBs.
- SS2-1, located south/southwest of Building No. 8. The surface soil sample, collected at 0-2 inches, was non-detect for PCBs.
- TB2-17 and TB2-18, north/northwest of Building No. 8, respectively. Both were non-detect for PCBs.

2.3 October 2017 HDR Sampling Event

In October 2017, HDR conducted a multi-media sampling event within Building No. 8 to provide a characterization of potential contamination, and to evaluate a potential demolition IRM. Four concrete chip samples, four PCB wipe samples, three soil/unconsolidated material samples, and one aqueous sample were collected and submitted for laboratory analysis. All samples were analyzed for PCBs, with a subset undergoing additional analysis of Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), pesticides, Target Analyte List (TAL) metals, mercury, and cyanide. Soil results were compared to the Part 375 Unrestricted Use, Commercial and Industrial Soil Cleanup Objectives (SCOs). Laboratory analytical results are included in the Final Technical Memorandum for Building No. 8 dated April 3, 2019. A copy of this document is included within **Appendix A**. Data summaries are included on Figure 3 of this report.

Concrete Chip Sampling

Four surfaces/areas were selected for concrete chip collection and laboratory analysis. The four locations were (A) the concrete slab directly in front of the water-filled trench within the transformer cage; (B) the concrete slab directly in front of the battery rack; (C) the north wall of the transformer

cage; and (D) the concrete slab and few inches above the bottom of the western and southern walls. The (D) sample provided a general characterization of the building while (A) through (C) focused on areas likely to contain PCB contamination.

PCBs were detected in each of the four samples/locations. Concentrations of Aroclor-1260 were reported at 0.25 mg/kg at the (A) sampling location, 1.1 mg/kg at the (B) sampling location, 0.75 mg/kg at the (C) sampling location, and 0.54 mg/kg at the (D) sampling location.

PCB Wipe Sampling

Four surfaces were selected for PCB wipe collection and laboratory analysis. The four locations were (E) the side of the metal platform, facing the gateway valve, on which Transformer No. 1 sat; (F) the side of the metal platform, facing the gateway valve, on which Transformer No. 2 sat; (G) the top of the metal platform on which Transformer No. 3 sat; and (H) the space between Transformers No. 2 and No. 3.

PCBs were detected in three of the four samples/locations. Concentrations of Aroclor-1260 were 4.7 ug/Wipe at the (E) sampling location, 3.1 ug/Wipe at the (G) sampling location, and 5.8 ug/Wipe at the (H) sampling location. In addition, Aroclor-1254 was detected at the (G) sampling location with a concentration of 2.2 ug/Wipe. The (F) sampling location was non-detect for PCBs.

Soil & Unconsolidated Material Sampling

Three locations were selected for soil/unconsolidated material analysis. Initially, two samples would characterize sub-surface soils and one sample would characterize the unconsolidated materials contained within a floor trench. However, due to the variable thickness of the concrete slab and after discussions with the NYSDEC, this effort shifted to providing one sub-slab sample, one floor trench sample, and one sample of exterior soils located immediately adjacent to Building No. 8 at the same approximate depth of 0.5 feet bgs as the sub-slab point. This new third sampling location would provide a control/comparison point for sub-slab soils relative to exterior soils. The soil samples were analyzed for the full contaminant list of TCL VOCs, TCL SVOCs, PCBs, pesticides, TAL metals, mercury, and cyanide.

The three locations were (I) the sub-slab soils cored through the concrete slab at the entrance of the semi-partitioned transformer cage; (J) the floor trench in front of the battery rack; and (K) directly outside of the windows in the northwest corner (refer to Figure 3 for a summary of sample locations).

PCBs were detected in the sample collected from the floor trench (J) location. The concentration of Aroclor-1260 at this location was 150 mg/kg, with a duplicate sample containing a concentration of 190 mg/kg. The sub-slab and exterior soils were non-detect for PCBs.

Analytical results of the sub-slab (I) and exterior (K) soils were generally similar (see **Appendix A** for results) with the exception that the exterior sample (K) contained a trace amount of tetrachloroethene (0.0025 mg/kg) and several polycyclic aromatic hydrocarbons (PAHs) (0.3 to 0.48 mg/kg), whereas the sub-slab (I) soil did not.

Aqueous Sampling

One aqueous sample was selected for laboratory analysis. The one aqueous sample location was (L) the water-filled trench directly in front of the three transformers within the transformer cage.

PCBs were detected in the aqueous sample with Aroclor-1260 detected at 0.78 microgram per liter (ug/L) or parts per billion (ppb).

2.4 July 2020 LaBella Pre-Demolition Inspection

In July 2020, LaBella completed a pre-demolition inspection to identify/delineate the following regulated building materials:

- Asbestos-containing materials (ACM)
- Lead-based paint (LBP)
- PCB-containing caulk and glazing compounds
- PCB ballasts
- PCB-contaminated surfaces
- Mercury-containing items

Sampling was performed in general compliance with the April 2020 *PCB Sampling Plan* and May 2020 *Asbestos Containing Materials and Lead Based Point Survey* scope of work documents prepared for the NYSDEC by HDR. Copies of these documents are provided within **Appendix B**.

Results of LaBella's pre-demolition sampling are presented in the *Pre-Demolition Regulated Building Materials Inspection* (LaBella 2020) provided within **Appendix C**. Results of this inspection are presented below.

Asbestos

A total of 21 samples were analyzed via Polarized Light Microscopy of non-friable materials by LaBella Laboratories. Transmission electron microscopy analysis was performed as needed by AMA Laboratories (AMA Laboratories report was not provided in LaBella's Pre-Demolition Report). Materials containing > 1% asbestos were detected in the following building materials:

Type of Material	Typical Location
Gray transite	Inside panel boxes
Black transite	Panel inside wall by transformers
Black window caulk	Around window frames (building interior)
Gray transite pipe	Flue pipe along the exterior of the building
Black roofing cement	Along CMU block wall inside building and around roof exhausts
Black tar paper	On metal roof
Black debris	On ground of exterior and interior of building

Lead

XRF testing procedures were completed in the field to check for lead in paint and glazed materials. A total of 22 types of materials were screened from the exterior, transformer room and interior main room, including window sashes, rack, air conditioning unit, switch box, gate, gate case, I-beam, switch box, breaker box, cable and conduit, transformers, grate, cable sleeve, fence,

exterior walls and fence post. The LaBella report does not include a sample location figure for lead samples. Lead above the action level threshold of 1.0 mg/cm² were detected in the following materials:

- Gray painted interior metal window sashes (2 samples/sashes)
- Gray metal cable in the transformer room (1 sample)
- Each of the three gray painted metal transformers in the transformer room (3 total)
- White painted exterior metal fence post (1 sample)

PCBs

Hexane wipes were used to check PCB levels of nonporous, unpainted building surfaces. A total of 15 wipe samples were collected and submitted to Alpha Analytical. Two of the wipe samples were 'non-detect', with the remaining 13 samples ranging from 0.113 ug/100 cm² to 1.05 ug/100 cm².

A total of 12 composite concrete chip samples were collected from the interior walls and floor and submitted to Alpha Analytical for analysis. All 12 samples contained PCBs ranging from 0.596 ppm to 22.4 ppm.

2.5 Nature of Impacts

Based on three sampling events (Day, HDR and LaBella), PCBs were detected at concentrations exceeding 50 parts per million (ppm) in three samples, which include two concrete chip samples (CC-04 and CC-05) and one unconsolidated material sample. The two concrete chip samples may have been collected at the same location with one of the two samples being a duplicate, the Day Engineering December 2004 Progress Report does not specifically reference or show the CC-05 location. The unconsolidated material sample was collected by HDR from a floor trench located near the former battery rack. The single soil sample obtained below the concrete slab did not contain detectable levels of PCBs; however, it should be noted that the number of sub-slab samples obtained (one) was insufficient to adequately confirm that PCB impacts were not present below the slab.

3.0 DESCRIPTION OF THE REMEDY

Building No. 8 was remediated in general accordance with the remedy presented in HDR's Final Technical Memorandum – Building No. 8 (OU2) Evaluation and Conceptual IRM Scope, dated April 3, 2019, as approved by the NYSDEC. The remedy selected consisted of the following general actions:

- Initial notifications to the NYSDEC, New York State Department of labor (NYSDOL) and the Town of Greece;
- The performance of a pre-demolition building assessment with sampling of building materials for potential ACM and/or PCBs; and
- Demolition to grade and off-site disposal of building equipment (e.g., transformers, lighting, switchgear and ballasts), roofing and structural materials; and

4.0 SUMMARY OF REMEDIAL ACTIONS COMPLETED

Building No. 8 mitigation and demolition services were performed by LaBella and their subcontractor, AAC Contracting, Inc., under a separate Standby Remediation Contract with the NYSDEC. HDR performed oversight of the remedial action. A Health and Safety Plan was developed and implemented during site work and Covid-19 protocols were followed. The NYSDEC issued the variance contained in **Appendix D** to Industrial Code Rule 56 for the Building No. 8 interior and exterior ACM debris cleanup. AAC Contracting, Inc. filed the asbestos project notification in **Appendix D** for this work.

Mitigation work began on October 19, 2020 and was completed on October 30, 2020. Equipment removal and building demolition work began November 4, 2020 and was completed November 11, 2020. HDR's daily reports for these actions are provided within **Appendix E**. Final waste removal from the Building No. 8 demolition took place on February 24, 2021.

Air monitoring/sampling units to check asbestos levels were placed around the work area for the first two days of the work, which generally involved setting up a work perimeter, roll-off box drop off, pickup of roofing materials from the ground, and mowing the area to safely operate the aerial work platform needed for material removal and demolition. These units were placed upwind, downwind and inside of the building. Air monitoring was performed by Paradigm Environmental Services, Inc., and copy of their Asbestos Air Sampling Report is provided within **Appendix F**.

Two dumpsters were brought to the site by Waste Management and filled with removed roofing materials (i.e., shingles, tar paper, metal, plywood), windows with frames, debris from the interior of the building and shingles that had been picked up off the ground. Removal of all components of the roof was completed by AAC Contracting, Inc. by October 30, 2020.

PCB ballasts and fluorescent light bulbs found inside Building No. 8 were set aside for later off-site disposal.

On November 5, 2020, the northeast corner of the building was torn down using an excavator with grapple. The transformers were lifted from the building and placed on a concrete pad. Each transformer was subsequently lifted and placed over a drum to drain any residual fluid. The transformers were subsequently rinsed out to clean the interior prior to transport by LaBella to Metalico Rochester for scrap. The rinsate was drummed for later off-site disposal.

The trenches in the building were originally filled in with demolished building materials, however, this material was replaced with crushed stone during the remediation as requested by the NYSDEC. A total of 12.3 tons of CR-2 stone was delivered to the site from Iroquois Rock Products in Brockport, New York. LaBella arranged for the delivery of the stone, documentation was not provided to HDR for inclusion in this report.

By November 6, 2020, the building had been razed by LaBella and the field crew sorted the building waste debris into steel piles and cinderblock piles. The steel was designated for recycling and the cinder block for disposal as non-hazardous waste.

The following provides a description of the wastes disposed off-site, with disposal documentation provided in **Appendix G**.

- One rolloff box of steel sent to Metalico Rochester for recycling on 11/12/2020.
- Four (4) rolloff boxes containing wood, cinderblock and crushed cinderblock were disposed at Republic Landfill in Niagara Falls, NY as non-hazardous waste on 1/29/2021.
- One drum (36 kilograms) of PCB ballasts were disposed at Environmental Enterprises, Inc. under a hazardous waste manifest dated 02/24/2021.
- One 55-gallon drum of transformer fluid with rinse and decontamination water disposed at American Recyclers Company under a non-hazardous manifest dated 02/24/2021 (waste tracking number 37557).

One carton of four 48-inch long used fluorescent bulbs weighing approximately five (5) pounds were disposed at American Recyclers Company under a non-hazardous manifest dated 02/24/2021 (waste tracking number 37757).

5.0 CERTIFICATION

In accordance with DER-10, Section 1.5, the following certification is provided for this Construction Completion Report.

I, Michael P. Musso, certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the Remedial Work Plan (or Remedial Design or Plans and Specifications) was implemented and that all construction activities were completed in substantial conformance with the DER-approved Work Plan (or Remedial Design or Plans and Specifications).



Michael P. Musso
Michael P. Musso, PE
NY License Number 081074

6.0 REFERENCES

6 NYCRR Part 375, Environmental Remediation Programs, December 14, 2006.

40 CFR Part 761 Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions.

NYSDEC, May 2010. DER-10 / Technical Guidance for Site Investigation and Remediation.

HDR, April 2019. Final Technical Memorandum-Building No. 8 (OU2) Evaluation and Conceptual IRM Scope. April 3, 2019.

HDR, April 2020. PCB Sampling Plan, Former Air Force Plant 51 – Building No. 8. April 22, 2020.

HDR, May 2020. Asbestos Containing Materials and Lead Based Paint Survey. May 6, 2020

LaBella, 2020. Pre-Demolition Regulated Building Materials Inspection. August 3, 2020.

\\mapinfo\file01\GIS Projects\202315 NEW YORK STATE DEPT OF ENVIRONMENTAL CON\202760_NYSDEC_MM_WA8_9_AFPlant_RI-CM\GISMap_Docs\Draft\AFPI\Fin1_USGS_20150422.mxd



SITE LOCATION MAP
FORMER AIR FORCE PLANT NO. 51 (NYSDEC SITE # 828156)

FIGURE 1



AFP51-SW-01-20171002 (L)	
Water-Filled Trench	
10/3/2017	
PCB	ug/L
PCB-1260 (AROCLOR 1260)	0.78

AFP51-WP-04-20171002 (H)	
In-between Transformer 2 & 3	
10/3/2017	
PCB	ug/100 cm ²
PCB-1254 (AROCOR 1254)	2.2
PCB-1260 (AROCOR 1260)	5.8

The floor plan shows a large rectangular room with a yellow background. At the top, there are two windows labeled "Window". On the left wall, there is a door labeled "Door / Entrance" with a black dot indicating the handle. In the center of the room, there is a large rectangular area labeled "Plywood & Polyethylene Sheeting". To the right of this area, there is a green rectangular area labeled "Floor Trench (J)". In the bottom right corner, there is a black rectangular area labeled "Door / Entrance (I)". Inside this area, there are three red circles labeled "Transformer 3", "Transformer 2", and "Transformer 1" from left to right. Above the transformers, there is a blue rectangular area labeled "Water-Filled Trench (L)". To the right of the transformers, there is a green rectangular area labeled "Assorted Debris". In the bottom right corner, there is a black dot labeled "Damage" and a line pointing to it labeled "Structural".

AFP51-WP-01-20171002		(E)
Base of Transformer 1		
10/3/2017		
PCB		ug/100 cm ²
PCB-1260 (AROCLOR 1260)		4.7

AFP51-CC-01-20171002 (A)	
Concrete Chip - Transformer Cage Floor	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCLOL 1260)	0.25

AFP51-CC-03-20171002 (C)	
Concrete Chip - Transformer Cage N Wall	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCOR 1260)	0.75

LEGEND

HDR 2017 Investigation

Sample ID (A)	
Location	
Date	
Analysis Group	Units
Contaminant	# Q

Detections Only

#: Concentration

(A): Sampling Location

Qualifiers (Q):

B – Also detected in associated method
blank

J – Estimated value

T – MS/MSD outside recovery limits

N – Presumptive evidence of material

For Soils Only:

Bold: Exceedence of NYSDEC Part 375 - Unrestricted Use criteria

Historical PCB results with approximate locations shown.

(Reference: Independent Study, 2005, Former Air Force Plant 51, Day Environmental Inc.)

CC - Concrete Chip

WP - Wipe Sample

Scale: NTS



APPENDIX A

Final Technical Memorandum - Building No. 8 (OU2) Evaluation and Conceptual IRM Scope (2019)

Memo

Date: Wednesday, April 03, 2019

Project: Former Air Force Plant No. 51, Greece, New York

To: Gail Dieter, NYSDEC

From: Michael Musso, P.E.

Subject: Final Technical Memorandum –Building #8 (OU2) Evaluation and Conceptual IRM Scope

Introduction/Scope: Henningson, Durham & Richardson, Architecture and Engineering PC, in association with HDR Engineering, Inc. (HDR), prepared this Technical Memorandum for the Former Air Force Plant 51 Site (site) as part of NYSDEC Contract D007625, Work Assignment #8. This memorandum includes a description of Building #8, summary of historical investigations, results of recent multi-media sampling conducted by HDR, and identifies a recommendation for a future interim remedial measure (IRM). The recommended IRM as described in this memorandum would be protective of human health and the environment, consistent with applicable or relevant and appropriate requirements (ARARs), implementable and effective (in the short and long term), reduce mobility and volume of contamination, and contributes to a long-term permanent remedy for the site. Information presented in this memorandum will be discussed with NYSDEC and specific IRM approaches design and/or implementation will be fully evaluated (e.g., via a NYSDEC Call Out subcontractor or in a separate IRM remedial design (RD) work assignment). A site location map is included as **Figure 1**. This memorandum focuses on Building #8, as shown on **Figure 2**.

Site and Building #8 Description: The Former Air Force Plant No. 51 site consists of an approximately 33.6-acre property (addressed as 4777 Dewey Avenue) located in the Town of Greece, New York. Building #8 is located on the west side of the property, along the western edge of the slab of former Building #1, within Operable Unit 2 (OU2) of the site. Building #8 served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switchgear for the Rochester Gas & Electric Co. electric feeder, a 600 KVA oil filled transformer bank housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. Transformers remain on a concrete pad located on the west side of the building. These systems have been decommissioned and are no longer in use.

The general dimensions of Building #8 are approximately 48 feet by 25 feet and cover an approximate area of 1,200 square feet. It is a single story building that contains a single large room with a semi-partitioned portion located along the northeastern wall. The construction materials include cinderblock walls supported by horizontal steel I-beams, a concrete slab floor, and corrugated metal roofing overlain with plywood and tar roofing materials. The semi-partitioned area is the transformer vault, measuring 19 feet by 10 feet, and is composed of cinderblocks, metallic grates, and metallic grate door. Three 200 KVA transformers with “No PCB” stickers,

indicating prior PCB removal, are present within this vault (**Figure 3**). **Appendix A** provides October 2017 photographs of Building #8.

Building #8 has two sets of windows, each measuring 9.25 feet in length and located along the northern half of the western wall. The primary entrance way is located on the southern wall and is partially boarded up with plywood. There are two large ventilation hoods located along the central ridge of the roof, with a smaller exhaust vent serving a now-decommissioned gas fired space heater located along the northern wall.

Several trenches / potential open floor drains are within the concrete floor slab as shown on **Figure 3**. The largest trench measured approximately two feet across, approximately two feet deep, and runs horizontally from the center portion of the eastern wall to the center of the room. It contains several utility conduits that either trend the length of the conduit or deviate into the concrete retaining wall of the trench and likely continue either as a sub-slab or internal slab conduit. This utility trench continues towards the former Building #1, and was visible during an outside examination of the eastern wall. Additional utility trenches / potential open floor drains exist alongside the southern half of the eastern wall, in front of the battery rack, and within the transformer cage as shown on **Figure 3**. The three transformers present within the transformer cage each contain gateway valves located over the trench, with the trench itself filled with water. Several conduits not contained within utility trenches daylight alongside the western wall and southwestern corner. The terminus of a vast majority of these conduits, whether contained within a utility trench or as a stand-alone sub-slab or interior slab conduit outside Building #8 is unknown.

Based on measurements taken during HDR's screening-level sampling event in October 2017, the concrete slab has variable thickness measuring 10-inches to >18-inches. The thickness of the concrete may exceed 24 inches, based on the depths of open pipe trenches and floor drains observed within Building #8.

Several areas of Building #8 have suspect structural integrity. There is structural damage in the northeast corner of the building sustained during demolition activities of Building #1. Plywood and two-by-four wood beams in that corner provide temporary walls and structural reinforcement. Several vertical fractures in the cinderblock exist along the eastern wall and southern walls where the cinderblock connects with the steel I-beams. Lastly, the roof has several large holes, which daylight (and wildlife) easily penetrates.

In terms of non-structural features, plywood and polyethylene sheets, placed during remedial efforts under the Voluntary Cleanup Program, cover a majority of the Building #8 floor (**Figure 3**). Electric fuse boxes are found along the walls. A metallic battery rack is present in the northwestern corner with a notable yellow discoloration in the concrete slab beneath this rack. Assorted household debris (e.g., bottles of spray adhesive, old cardboard, tape reels), C&D debris, and fecal matter from nesting birds litter each surface of Building #8 in varying amounts.

History of Investigations: Limited investigative activities were previously conducted to evaluate the presence of contaminants within and beneath Building #8. More recently, multi-media sampling was conducted by HDR to evaluate the extent of contamination for consideration of IRM options or building demolition. It is noted that the HDR October 2017 field investigation should be considered as screening-level; additional data collection will likely be required for waste classification and remedy implementation activities.

December 2001 NYSDEC Investigation

On December 3, 2001, the NYSDEC, Monroe County Health Department and Day Environmental, Inc. conducted a site tour and found the following items inside Building #8:

- Containers of Chlorextol (containing PCBs) and other unlabeled containers of liquid
- Several transformers (with drain valves to drain liquids from the transformer)
- A bank of batteries

The NYSDEC required that all waste materials, including transformer fluids be characterized and any hazardous wastes be properly removed and disposed at a licensed hazardous waste disposal facility by March 6, 2002. Refer to **Appendix B** for historical Building #8 photographs taken in December 2001.

According to a January 13, 2009 letter by Paul Hastings, Attorneys on behalf of 4800 Dewey Avenue, to the NYSDEC, a chemical material inventory was completed as part of the New York State Voluntary Cleanup Program (VCP), and inventoried materials were characterized, removed, and disposed off-site (including glass containers of Chlorextol/PCB transformer fluid, electrical equipment, some transformers, and batteries). Plastic sheeting and plywood was installed on the floor of Building #8, the access door was boarded up and PCB signage was installed on the building's exterior. The waste material inventory is documented in a 2001 Day Environmental report.

January 2005 Day Environmental Independent Study

Based on Day's December 2004 progress report, two concrete chip samples and one wipe sample were collected within Building #8 for PCB laboratory analysis. Refer to **Figure 3** for historical sampling locations. No additional details regarding sample collection methods were provided in the progress report. The laboratory analytical report indicated the following sample results for Building #8:

- **CC-03:** Aroclor-1260 = 660 ug/kg (or 0.66 parts per million - ppm)
- **CC-04:** Aroclor-1260 = 67,000 E ug/kg (dilution factor = 10) (or 67 ppm)
- **WP-03:** Aroclor-1260 = 13 ug/wipe (or 0.013 ppm/wipe)

A historical concrete core sample was collected inside Building #8 with PCBs detected at a concentration of 88 ppm, as reported in a NYSDEC power point presentation. The location of this sample is unknown.

May 2008 Day Environmental Site Investigation

Based on the information provided in Day's May 30, 2008 Environmental Site Investigation Report for work performed between 2004 and 2007, no additional samples were collected from Building #8. On December 2, 2004, Day collected a sediment sample from nearby CB-3, the closest catch basin to Building #8. Aroclor-1268 and Aroclor-1260 was detected at a concentrations of 57,000 ug/kg (57 mg/kg) and 16,000 ug/kg (16 mg/kg), respectively. Other samples collected by Day in the immediate vicinity of Building #8 include the following:

- TP2-2, located north of Building #8. The subsurface soil sample, collected at 1 foot below ground surface (bgs), exhibited a concentration of 120 ug/kg (0.12 mg/kg) of Aroclor-1260.
- TP2-15A, located northwest of Building #8. The subsurface soil sample, collected at 8 feet bgs, was non-detect for PCBs.
- TP2-1, located south/southwest of Building #8. The subsurface soil sample, collected at 1-2 feet bgs, was non-detect for PCBs.
- SS2-1, located south/southwest of Building #8. The surface soil sample, collected at 0-2 inches, was non-detect for PCBs.
- TB2-17 and TB2-18, north/northwest of Building #8, respectively. Both were non-detect for PCBs.

HDR Building #8 Investigation (2017)

In October 2017, HDR conducted a multi-media sampling event within Building #8 to provide a preliminary characterization of potential contamination, and to evaluate a potential IRM. Four concrete chip samples, four PCB wipe samples, three soil / unconsolidated material samples, and one aqueous sample were collected and submitted for laboratory analysis. All samples were analyzed for PCBs, with a subset undergoing additional analysis of Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), pesticides, Target Analyte List (TAL) metals, mercury, and cyanide. Soil results were compared to the Part 375 Unrestricted Use, Commercial and Industrial Soil Cleanup Objectives (SCOs).

HDR's laboratory analytical results are found in **Appendix C** and the data usability summary report (DUSR) is included as **Appendix D**. The sample locations and laboratory results are on **Figure 3**. Images of each sample location are found in **Appendix A – Photo Log** and correspond to the Letter ID found in the photograph captions and **Figure 3** sample ID.

Concrete Chip Sampling

Four surfaces / areas were selected for concrete chip collection and laboratory analysis. Prior to sample collection, HDR personnel manually cleared any debris present on each of the surfaces selected for sample collection. Using a rotary impact hammer drill, HDR personnel drilled several 0.5-inch deep holes, producing a finely ground concrete powder that was aggregated and homogenized in a stainless steel bowl. This produced a composite sample representative of the surface / area identified for characterization. Volume requirements for laboratory analysis

necessitated drilling multiple 0.5-inch holes, since a single hole would not produce enough powder to satisfy laboratory requirements. Decontamination of the drill bit and stainless steel bowl occurred via alconox and clean water rinse prior to shifting sampling locations.

The four locations were (A) the concrete slab directly in front of the water-filled trench within the transformer cage; (B) the concrete slab directly in front of the battery rack; (C) the north wall of the transformer cage; and (D) the concrete slab and few inches above the bottom of the western and southern walls. The (D) sample provided a general characterization of the building while (A) through (C) focused on areas likely to contain PCB contamination.

PCBs were found in each of the four samples / locations. Concentrations of Aroclor-1260 were reported at 0.25 mg/kg at the (A) sampling location, 1.1 mg/kg at the (B) sampling location, 0.75 mg/kg at the (C) sampling location, and 0.54 mg/kg at the (D) sampling location.

PCB Wipe Sampling

Four surfaces were selected for PCB wipe collection and laboratory analysis. Prior to sample collection, HDR personnel identified a 100 square centimeter (cm²) area on each of the non-porous surfaces selected for sample collection. Using individual laboratory-provided hexane-treated gauze, HDR personnel wiped each 100 cm² area in three horizontal swiping motions and three vertical swiping motions, taking care to apply uniform pressure during each swipe.

The four locations were (E) the side of the metal platform, facing the gateway valve, on which Transformer #1 sits; (F) the side of the metal platform, facing the gateway valve, on which Transformer #2 sits; (G) the top of the metal platform on which Transformer #3 sits; and (H) the space between Transformers #2 and #3.

PCBs were found in three of the four samples / locations. Concentrations of Aroclor-1260 were 4.7 ug/Wipe at the (E) sampling location, 3.1 ug/Wipe at the (G) sampling location, and 5.8 ug/Wipe at the (H) sampling location. In addition, Aroclor-1254 was found at the (G) sampling location with a concentration of 2.2 ug/Wipe. The (F) sampling location was non-detect for PCBs.

Soil & Unconsolidated Material Sampling

Three locations were selected for soil / unconsolidated material analysis. Initially, two samples would characterize sub-surface soils and one sample would characterize the unconsolidated materials contained within a floor trench. However, due to constraints related to the variable thickness of the concrete slab, this effort shifted to providing one sub-slab sample, one floor trench sample, and one sample of exterior soils located immediately adjacent to Building #8 at the same approximate depth of 0.5 feet bgs as the sub-slab point. This new third sampling location would provide a control / comparison point for sub-slab soils relative to exterior soils. The soil samples were analyzed for the full contaminant list of TCL VOCs, TCL SVOCs, PCBs, pesticides, TAL metals, mercury, and cyanide. Each sample was collected via stainless steel hand auger and homogenized in-situ or via stainless steel bowl.

The three locations were (I) the sub-slab soils cored through the concrete slab at the entrance of the semi-partitioned transformer cage; (J) the floor trench in front of the battery rack; and (K) directly outside of the windows in the northwest corner (refer to **Figure 3** for a summary of sample locations).

PCBs were only found at the floor trench (J) sampling location. The concentration of Aroclor-1260 at this location was 150 mg/kg, with a duplicate sample containing a concentration of 190 mg/kg. Both concentrations exceed the Industrial SCO of 25 mg/kg for PCBs. The sub-slab and exterior soils were non-detect for PCBs.

Analytical results of the sub-slab (I) and exterior (K) soils were generally similar with the exception that the exterior sample (K) contained a trace amount of tetrachloroethene (0.0025 mg/kg) and several poly aromatic hydrocarbons (PAHs) (0.3 to 0.48 mg/kg) whereas the sub-slab (I) soil did not. When compared to the Part 375 SCOs, the exterior sample (K) contained concentrations of lead, nickel, zinc, and p,p-DDT in exceedance of the Unrestricted Use SCO while the sub-slab (I) soil contained concentrations of nickel in exceedance of the Unrestricted Use SCO. There were no exceedances of the Commercial or Industrial Use SCOs for sub slab (I) or exterior (K) soil sample results.

Aqueous Sampling

One aqueous sample was selected for laboratory analysis. Prior to the sampling effort, HDR personnel determined based on the hydrophobic nature of PCBs, that if standing water observed within Building #8 were to contain PCBs, it would have the potential to reveal considerable contamination in the area containing that water and would warrant inclusion of the aqueous sample in the sampling effort.

The one aqueous sample location was (L) the water-filled trench directly in front of the three transformers within the transformer cage. PCBs were found within the aqueous sample with Aroclor-1260 detected at 0.78 microgram per liter (ug/L) or parts per billion (ppb). Although the trench contains water, the integrity of the trench is not known and further evaluation is needed.

Investigation Summary of Building #8: Historical data and the October 2017 investigation results indicate that PCBs exist at concentrations >50 ppm and <500 ppm in concrete chip and wipe samples collected in the vicinity of the former transformers, and in concrete chip samples collected in the southwestern and southern portions of Building #8. PCBs were also identified in the floor trench, south of the battery rack at concentrations >50 ppm and <500 ppm. Very low concentrations of PCBs (0.78 ppb) were detected in the aqueous sample from the water filled transformer trench. One sub-slab soil sample and one exterior soil sample were obtained from Building #8, both of which did not indicate the presence of PCBs in soil. However, in the absence of sufficient soil data and the unknown nature of the subsurface beneath the plywood/poly sheeting area in the central portion of the building beneath the transformer pad area and the trenches, impacted soil may be present beneath the building slab.

Based on HDR's analysis of investigation data and historical PCB usage within Building #8, an IRM appears to be applicable for the Building #8 area. Addressing PCB contaminated building

surfaces, removal of the former transformers and battery rack, and addressing sub-slab / buried infrastructure that is no longer in use (utility conduits, floor drains) will remedy potential contaminant sources. Based on observations, the roof materials may contain asbestos-containing material (ACM). Additionally, due to the age of the building, lead based paint (LBP) may also be present.

IRM Technology Screening: As discussed earlier, multiple media / surfaces are found to contain PCBs in varying concentrations in Building #8. Available technologies were identified and screened by HDR based on achieving the stated goals of an IRM, to be protective of human health and the environment. General response actions (GRAs) for impacted surfaces include no action, institutional controls, containment/capping, excavation, and removal. HDR conducted a screening analysis for the potential IRM area. A summary of the screening process is provided in **Table 1**.

As listed in **Table 1**, remedial technologies under each type of GRA were screened for potential applicability, effectiveness, and implementation at the site. The “No Action” alternative is retained to provide a comparison for the other alternatives as required by DER-10. In addition to “No Action”, the following technologies pass the screening process:

- Institutional Controls
- Removal and Off-Site Disposal
- Containment/Capping

Removal of impacted materials (including demolition of Building #8 superstructure and removal of equipment) is a viable approach for an IRM and is considered to be a presumptive remedy by NYSDEC. This approach involves demolition of Building #8 and disposing of material as PCB bulk waste in a permitted landfill in accordance with PCB site revitalization guidance under the Toxic Substances Control Act (TSCA). This assumption was made for purposes of this Technical Memorandum, and can be refined during IRM design or prior to IRM implementation. **Appendix E** provides excerpts from Title 40, Part 761 and has been used as guidance for this Technical Memorandum. It is understood that appropriate TSCA filings and notifications will be required during design or otherwise prior to implementing the remedy. Such filings may include a Risk-Based Cleanup Application or Self-Implementing Work Plan for USEPA Region 2 TSCA review. Comments from USEPA may require additional sampling or remedial work than what is assumed for this memorandum.

An ACM and LBP survey is recommended prior to any demolition. Due to the suspect presence of ACM in the roof and miscellaneous electrical components and potential LBP in the building, remedial precautions will be taken prior to any demolition work so as not to disturb the materials and potentially cause any asbestos or lead to become air-borne. In addition, a full IRM work plan for survey and demolition will be prepared and submitted to NYSDEC and NYSDOH for review and approval. This work plan is assumed to include removal of any ACM or LBP, all remaining equipment (former transformers and battery rack), miscellaneous electrical wiring and metal components from inside Building #8. After the interior of the building is cleared and remedial measures are in place, building demolition can be performed. All persons will use protective

clothing and equipment (PPE, engineering controls) to protect against dermal contact with or inhalation of PCBs, ACM, LBP or other materials.

Based on available data, PCBs were generally detected in building materials at concentrations <50 ppm. According to TSCA regulations (refer to **Appendix E**) cited in paragraph (a)(5)(v)(A), bulk PCB remediation wastes with a PCB concentration of <50 ppm shall be disposed of in a State-permitted non-hazardous facility, or municipal solid waste facility, a hazardous waste landfill or a PCB disposal facility permitted under TSCA. For cost estimating purposes, it is assumed that building materials, plastics, electrical wiring and metal components will be disposed as PCB bulk waste in a non-hazardous waste facility permitted by the State that can accept PCB waste. It is assumed that the transformers will be disposed in a TSCA-approved chemical waste landfill. Since PCBs were detected in the floor trench south of the battery rack at concentrations >50 ppm and <500 ppm, the trench contents will be vacuumed into a 55-gallon drum and disposed in a TSCA-approved chemical waste landfill that can accept PCB waste. The liquid in the transformer trench has very low concentrations of PCBs and can be disposed as non-hazardous liquid.

PCBs were detected in the building slab at concentrations >50 ppm and <500 ppm. As per TSCA (refer **Appendix E**), bulk PCB remediation wastes may remain at a cleanup site at concentrations >25 ppm and ≤100 ppm if the site is covered with a cap meeting the requirements of paragraphs (a)(7) and (a)(8) of the regulation. It is assumed that the slab will be left in place pending potential future site redevelopment plans. The slab will be cleaned of dust using high efficiency particulate air (HEPA) vacuum, and wet mopped after demolition work is complete. The floor trenches and any sub-structures will be cleaned, grouted and left in place. It is assumed that trenches and any floor openings will be filled in with concrete and brought up to slab level. No soil removal is proposed. Since areas of the slab have PCBs > 50 ppm, in the absence of sufficient sub-surface data, it is assumed that soil contamination may exist under the slab. In accordance with TSCA, a minimum of 6 inches of asphalt/concrete will be installed on the slab to perform as a cap. Institutional controls consisting of fencing and a deed restriction will be placed since contamination will be left in place. For Building #8, considering its relatively small footprint, this remedy of demolition, capping / enhancing the existing concrete slab, and institutional controls appears to be readily implementable and effective. **Table 2** provides a detailed cost estimate.

At this time, there is no current redevelopment plan for the site. Therefore, cleanup goals for Building #8 are not currently confirmed. Any decision to leave the slab in place will be dependent on the final remedial actions for the site.

Low level organic and inorganic soil contamination is effectively isolated from human health and ecological receptors by capping / containment technology. However, the building slab can be demolished and removed during future development or as a contingency remedy. Soils beneath the slab will need to be characterized if any excavation work and / or off-site disposal is contemplated. The costs for excavation and off-site disposal of the slab and any impacted soils beneath the slab is included in **Appendix F** as a contingency and as an additive to costs identified under **Table 2**.

Treatment technologies were considered, but are not recommended for Building #8, as noted on **Table 1**.

Recommendation: Based on the contamination identified and the current condition of Building #8, an IRM consisting of demolition and off-site disposal with enhancements to the slab (“capping”) is recommended. Costs for the IRM are provided in **Table 2**. An ACM and LBP survey will be completed prior to demolition work. Please note any potential ACM or LBP abatement cost is not included in Table 2 as quantities are not known at this time. Demolition is assumed to include the building superstructure and removal of the transformers, battery rack, debris, plywood and polyethylene sheeting. Trenches and any openings/holes in the slab will be cleaned, grouted, backfilled and made level with the concrete slab. It is noted that additional sampling may be recommended by USEPA Region 2 TSCA division (for PCB analysis), and for waste disposal classification purposes in general. The building slab will be decontaminated and shall remain in place. For cost estimating purposes, a 6-inch concrete cap is assumed to be installed over the concrete slab and institutional controls consisting of fencing and a deed restriction will be implemented. Costs for a contingency remedy consisting of slab demolition, and soil removal in addition to all components evaluated in the original IRM were considered and are provided in **Appendix F**.

Conceptual Scope for Building #8 IRM: This section presents a conceptual sequence of work required to implement a future IRM at Building #8. It is understood that the conceptual plan presented here will be scoped further under a remedial design or during coordination of remedy implementation with a NYSDEC Call Out remedial contractor when a detailed Contractor scope will be developed. The work items listed below are conceptual in nature and presented for discussion purposes. It is understood that details of the IRM will be scoped further with NYSDEC.

IRM Work Elements

- Survey and flag IRM area: demolition boundaries.
- Refine / confirm estimated volume and wastes to be removed
- Utility call in.
- Access coordination with Owner / operator.
- Mobilization
 - o ACM and LBP surveys with potential abatement pending
 - o Establish staging / decon areas.
 - o Establish on-site H&S facilities, monitoring and protocols.
 - o Establish remedial safety measures for suspect ACM and LBP prior to building demolition to prevent air-borne impacts
 - o Prepare a Dust Control Plan, H&S Plan, and Waste Management Plan
- For this removal IRM, no pre-design investigation (PDI) is proposed.
- **Water-filled transformer trench**
 - o Containerize water from trench into a 55-gallon drum (characterize and dispose of as non-hazardous liquid)
 - Conduct observations of the integrity of the trench for any cracks and document it.
 - Grout and fill trench with concrete and make level with slab
- **Floor trench Battery Rack**
 - o Flush / remove sediments (characterize and dispose of as non-hazardous)
 - Containerize wash water generated (characterize and dispose of).

- Conduct observations of the integrity of the trench for any cracks and document it.
 - Grout and fill trench with concrete and make level with slab
- **Floor utility trenches**
 - Locate piping/conduits.
 - Remove all electrical wiring from trench and dispose of off-site as PCB bulk waste
 - Conduct observations of the integrity of the trench for any cracks and document it.
 - Grout and fill trench with concrete and make level with slab
- **Remove equipment (former transformers, battery rack, other miscellaneous)**
 - Stage at site for cleaning and/or waste characterization purposes.
 - Transport and dispose of off-site.
 - For cost estimating purposes, it is assumed that transformers will be disposed in a TSCA-approved chemical waste landfill.
- **Demolition of building superstructure**
 - Entire building superstructure will be demolished and disposed ofsite. Building materials will be handled as PCB bulk waste.
 - PCB bulk waste is assumed to include C&D debris from building demolition, polyethylene sheeting, plywood, doors and windows.
 - Building slab and foundation will remain in place.
 - Roofing material is suspect ACM and will be removed and disposed as hazardous if confirmed.
 - Any lead based paint material if confirmed hazardous for lead will be removed as hazardous material.
 - Any substructures shall be identified, cleaned, grouted and left in place. Cut piping at the edge of Building #1.
 - Stage PCB bulk waste at site for waste characterization purposes.
 - Stockpile and dispose of all PCB bulk waste in a non-hazardous waste facility.
- **Decontamination**
 - Dust and dirt from the slab surface will be vacuumed and the slab will be wet-mopped and left in place. No soil removal is proposed.
 - Containerize waste water generated from decontamination activities (characterize and dispose of).
- **Capping**
 - For cost estimating, it is assumed that a minimum of 6 inches of concrete will be installed on the slab.
 - The slab will then be fenced and a poster will be posted on the fence indicating “PCB remediated area”.
 - A deed restriction or other Institutional Controls will be placed because of the cap installation, and likely contamination remaining below the slab.
 - Annual inspections under a Site Management Plan (SMP) will be required to inspect the conditions of the cap and repair if cracks are observed.
- Final survey of work items and creation of “As Built” drawings.
- IRM Report / Final Engineering Report (FER) documenting the removal work.

5.2 Conceptual Cost of IRM

Table 2 presents conceptual costs for the recommended IRM. The total IRM construction cost is estimated at \$262,630. Line items presented on **Table 2** are in general conformance with the scope outlined above. Quantities used for cost estimates are based on information assembled by HDR based on available documents. The unit costs shown in the attached costing table are preliminary and for estimating purposes. Depending on the contracting mechanism NYSDEC

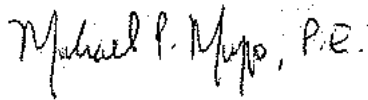
selects to complete this work, the estimate will be refined accordingly. For reference purposes, **Appendix F** is also attached to include a contingency remedy cost with the addition of removal of the concrete slab (variable depth from 12 to 18 inches) and some underlying soil to approximately 2 feet bgs (\$330,460). HDR feels this contingency is important to consider in light of possible review and comments from USEPA Region 2 TSCA division, and consideration of a “full removal” option for PCBs which may affect the needs for long-term monitoring.

It is noted that the quantities and work elements assumed for the conceptual cost estimate provided on **Table 2** are subject to change based on NYSDEC discussions and during the development of a detailed Contractor scope for the IRM.

If you have any questions, please contact me at (201) 335-9412.

Sincerely,

Henningson, Durham & Richardson
Architecture & Engineering, P.C.
In Association with HDR Engineering, Inc.



Michael P. Musso, P.E.
Senior Project Engineer

Tables 1 and 2

Figures 1 through 3

Appendix A – 2017 Photo Log

Appendix B – Historic Photos

Appendix C – Data Tables

Appendix D – Data Usability Summary Report

Appendix E – Excerpts from Title 40, Part 761

Appendix F – Conceptual Cost Estimate for Contingency Excavation and Offsite Disposal IRM

TABLES

Table 1 – Identification and Screening of IRM Technologies
Building #8
Former AFP-51

	Presumptive Remedy	Established Technology	Complexity	Overall Cost and Performance					Availability	Treatment Effectiveness					Implementable at Site	Retained for Recommended IRM Alternative	Reason(s)
				O&M	Capital	Reliability/ Maintainability	Cost	Time		VOCs	Product (NAPL)	CVOCs	SVOCs	Inorganics			
Institutional Controls	No	Yes	Low	Low	Low	Medium	Low	High	High	Not Effective	Not Effective	Not Effective	Not Effective	Not Effective	Yes	YES	Typically used in conjunction with other technologies.
Containment																	Low level organic and inorganic soil contamination is effectively isolated from human health and ecological receptors by this technology; however, due to the current building conditions, demolition of the building will need to be performed prior to any capping.
Capping System	Yes	Yes	Low	Medium	Low	Medium	Low		High	Effective	Not Effective	Effective	Effective	Effective	Yes		
Cap Enhancements/ Alternatives	No	Yes	Low-Medium	Medium-High	Low	Medium	Low	Low but long-term inspection & maintenance	High	Effective	Effective	Effective	Effective	Effective	Yes	YES	
In-Situ Biological Treatment																	Concrete surfaces and building materials confirmed the presence of PCBs. These treatment technologies are not applicable for such surfaces. Limited soil data in the area do not indicate the presence of PCBs.
Bioventing	No	Yes	Medium	Low	Low	Medium	Low	Medium	High	Effective	Limited	Limited	Limited	Not Effective	No	No	
Enhanced Bioremediation	Yes	Yes	Medium	Low	Medium	Medium	Low	Medium	High	Effective	Limited	Effective	Limited	Not Effective	No	No	
Phytoremediation	No	Yes	Medium	Low	Low	Low	Low	High	Medium	Limited	Not Effective	Limited	Limited	Limited	No	No	
In-Situ Physical/Chemical Treatment																	Concrete surfaces and building materials confirmed the presence of PCBs. These treatment technologies are not applicable for such surfaces. Limited soil data in the area do not indicate the presence of PCBs.
Chemical Oxidation (ISCO)	No	Yes	Medium	Low	Medium	Medium	Medium	Low	High	Effective	Effective	Effective	Limited	Not Effective	No	No	
Electrokinetic Separation	No	Yes	High	High	Medium	Medium	High	Medium	Medium	Limited	Not Effective	Limited	Limited	Effective	No	No	
Soil Flushing	No	Yes	High	Low	Medium	Medium	Medium	Medium	High	Effective	Effective	Effective	Limited	Effective	No	No	
Soil Vapor Extraction	Yes	Yes	Medium	Medium	Medium	High	Low	Medium	High	Effective	Limited	Effective	Limited	Not Effective	No	No	
Solidification/ Stabilization	No	Yes	Medium	Medium	Medium-High	High	Medium-High	Low	High	Limited	Not Effective	Limited	Limited	Effective	No	No	
In-Situ Thermal Treatment																	Concrete surfaces and building materials confirmed the presence of PCBs. These treatment technologies are not applicable for such surfaces. Limited soil data in the area do not indicate the presence of PCBs.
ISTT	No	Yes	High	High	High	High	Medium	Low	Medium	Effective	Limited	Effective	Effective	Not Effective	No	No	
Ex-Situ Biological Treatment (assuming removal by excavation)																	Concrete surfaces and building materials confirmed the presence of PCBs. These treatment technologies are not applicable for such surfaces. Limited soil data in the area do not indicate the presence of PCBs.
Biopiles	No	Yes	Low	Low	Low	High	Low	Medium-High	High	Effective	Limited	Effective	Limited	Not Effective	No	No	
Composting	No	Yes	Low	Low	Low	Medium	Low	Medium-High	High	Limited	Limited	Limited	Limited	Not Effective	No	No	
Landfarming	No	Yes	Low	Low-Medium	Low	High	Low	Medium-High	High	Limited	Limited	Limited	Effective	Not Effective	No	No	
Slurry Phase Biological Treatment	No	Yes	High	High	High	Medium	Medium	Medium	High	Limited	Limited	Effective	Effective	Not Effective	No	No	

Table 1 – Identification and Screening of IRM Technologies
Building #8
Former AFP-51

				Overall Cost and Performance						Treatment Effectiveness							
	Presumptive Remedy	Established Technology	Complexity	O&M	Capital	Reliability/ Maintainability	Cost	Time	Availability	VOCs	Product (NAPL)	CVOCs	SVOCs	Inorganics	Implementable at Site	Retained for Recommended IRM Alternative	Reason(s)
Ex-Situ Physical/Chemical Treatment (assuming excavation and/or treatment)																	
Chemical Extraction	No	Yes	High	High	High	Medium	Medium	Medium	High	Limited	Limited	Limited	Effective	Effective	No	No	Implementation of ex situ technologies requires a portion of the site to be dedicated for a moderate to long-term timeframe to the treatment and monitoring of excavated soils/liquids. Concrete surfaces and building materials confirmed the presence of PCBs. These treatment technologies are not applicable for such surfaces. Additionally, based on the small size of Building #8, ex situ technologies do not appear to be compatible for the area. Therefore, ex situ technologies have been screened out and will not be evaluated further.
Chemical Reduction/Oxidation	No	Yes	Medium	Medium	High	High	Medium	Low	High	Limited	Limited	Limited	Limited	Effective	No	No	
Dehalogenation	No	Yes	Medium	High	High	Low	High	Medium	Medium	Not Effective	Not Effective	Effective	Not Effective	Not Effective	No	No	
Separation	No	Yes	Medium	High	Medium	High	Medium	Low	High	Limited	Limited	Limited	Limited	Limited	No	No	
Soil Washing	No	Yes	High	High	High	High	Medium	Low	High	Limited	Limited	Limited	Limited	Limited	No	No	
Solidification/Stabilization	No	Yes	Low	Medium	High	High	Low	Low	High	Not Effective	Not Effective	Not Effective	Limited	Effective	No	No	
Ex-Situ Thermal Treatment (assuming removal by excavation)																	
Hot Gas Decontamination	No	No	Low	High	High	High	Low	Low	Medium	Not Demonstrated	Not Effective	Not Demonstrated	Not Demonstrated	Not Demonstrated	No	No	Concrete surfaces and building materials confirmed the presence of PCBs. These treatment technologies are not applicable for such surfaces.
Incineration	Yes	Yes	Low	High	High	Medium	High	Low	High	Effective	Limited	Effective	Effective	Not Effective	No	No	
Pyrolysis	No	Yes	Medium	High	High	Low	High	Low	High	Limited	Not Effective	Limited	Effective	Not Effective	No	No	
Thermal Desorption	Yes	Yes	Medium	High	High	Medium	Medium-High	Low	High	Effective	Limited	Effective	Effective	Not Effective	No	No	
Removal/Excavation, Off-Site Disposal																	
	Yes	Yes	Low	Low	Low-Medium	High	Medium	Low	High	Effective	Effective	Effective	Effective	Effective	Yes	YES	This alternative involves removing all or a significant portion of the contaminated building materials and disposing of in a permitted landfill. All contaminated building materials, and liquids will be easily removed. It meets the RAOs and is often a fast and cost-effective remedy. The alternative assumes that the building slab will remain in place and a cap will be installed. No soil excavation will be performed. A contingency remedy may include excavation and off-site disposal of the building slab and any impacted underlying soil.

O&M – relative overall cost and performance of operation and maintenance. Capital – relative overall cost and performance of capital investment. Adapted from Federal Remediation Technologies Roundtable Technology Screening Matrix, 2007. www.frtr.gov.

*applicable for liquids within trenches and for any contaminated soil encountered

**Table 2 - Conceptual Cost Estimate for Demolition and Offsite Disposal IRM
Building #8 Former AFP-51 Greece, NY**

CONCEPTUAL COST ESTIMATE SUMMARY						
Demolition and Offsite Disposal						
Site:	Former Air Force Plant, Building #8 Area (OU2)			Description:	Remove and contain water from floor and transformer trenches, remove transformers, battery rack and other miscellaneous equipment, transport and dispose off-site, demolish superstructure and dispose as PCB bulk waste, decontaminate slab and cap.	
Location:	Greece, New York					
Phase:	IRM - Building #8					
Base Year:	2018					
Date:	February 28, 2019					
Item No.	Description	Quantity	Unit	Unit Cost	Total	Notes
Estimated Costs:						
1	Site Survey					
1.1	Topographic Survey / GIS flagging of boundaries	1	LS	\$ 5,000	\$ 5,000	
1.2	ACM and Lead-based paint survey ¹	1	LS	\$ 5,000	\$ 5,000	Reporting and survey only. Potential abatement costs are not included as quantities are unknown.
	Sub-Total				\$ 10,000	
2	Site Mobilization/Demobilization					
2.1	Coordination/Permitting (by Contractor)	1	LS	\$ 15,000	\$ 15,000	
2.2	Decontamination Station	1	LS	\$ 5,000	\$ 5,000	Portable decontamination pad/truck tire wash
	Sub-Total				\$ 20,000	
3	Health and Safety					
3.1	Perimeter Air Monitoring	2	Week	\$ 1,200	\$ 2,400	Tripod station with Dust and PID monitors
3.2	H&S Monitoring	2	Week	\$ 2,500	\$ 5,000	Meters for monitoring work zone, 2 stations
	PPE and Field Supplies			\$ 10,000	\$ 10,000	Includes general and protective gear for PCBs, suspect ACM, and LBP
3.3		1	LS			
	Sub-Total				\$ 17,400	
4	Site Preparation					
4.1	Stabilized construction entrance to work area	1	LS	\$ 3,000	\$ 3,000	
4.2	Site Clearing	1	Day	\$ 5,500	\$ 5,500	
4.3	Security Fence	130	LF	\$ 25	\$ 3,250	Fencing will be left in place after cap installation
4.4	Place and Maintain E&S Controls	1	LS	\$ 5,000	\$ 5,000	
4.5	Concrete and Waste Staging Areas	1	LS	\$ 8,000	\$ 8,000	
	Sub-Total				\$ 24,750	

**Table 2 - Conceptual Cost Estimate for Demolition and Offsite Disposal IRM
Building #8 Former AFP-51 Greece, NY**

CONCEPTUAL COST ESTIMATE SUMMARY						
Demolition and Offsite Disposal						
Site:	Former Air Force Plant, Building #8 Area (OU2)		Description:	Remove and contain water from floor and transformer trenches, remove transformers, battery rack and other miscellaneous equipment, transport and dispose off-site, demolish superstructure and dispose as PCB bulk waste, decontaminate slab and cap.		
Location:	Greece, New York					
Phase:	IRM - Building #8					
Base Year:	2018					
Date:	February 28, 2019					
Item No.	Description	Quantity	Unit	Unit Cost	Total	Notes
5	Building Demolition, Off-site Disposal and Restoration					
5.1	Mob/Demob of Construction Equipment	1	LS	\$ 10,000	\$ 10,000	RS Means 2013 \$5k for demo, cost includes remedial safety measures for lead based paint and ACM prior to and during demolition Decontamination
5.2	Building demolition	1	LS	\$ 15,000	\$ 15,000	
5.3	Water Supply / Pressure washer	2,000	Gallons	\$ 0.50	\$ 1,000	
5.4	Load out prep	5	EA	\$ 1,500	\$ 7,500	Assume loading of 15 cy roll off containers for PCB bulk waste and 55-gallon drum for liquid disposal
5.5	Waste classification sampling for PCB bulk waste including C&D debris	6	EA	\$ 750	\$ 4,500	Includes collection and analysis for waste characterization parameters as required by facility
5.6	PCB sampling for solid waste including C&D debris	2	EA	\$ 100	\$ 200	Assumes composite samples and includes collection and analysis for PCBs only
5.7	Waste classification sampling for liquid disposal	1	EA	\$ 500	\$ 500	Includes analyticals and collection.
5.8	Removal, Transportation & Disposal (non-haz aqueous) from water-filled transformer trench	1	Drum	\$ 150	\$ 150	Assumed disposal of liquid in 55-gallon drum
5.9	Transportation & Disposal (bulk PCB waste)	203	Ton	\$ 95	\$ 19,264	Disposal of uncontaminated materials including concrete and other masonry materials from building demo, non-ACM roof coverings, glass, electrical wirings and components, pipe and metals, plastics, fluorescent lights, ceramic insulators, and battery rack.
5.10	Transportation & Disposal (haz waste)	8	CY	\$ 350	\$ 2,674	Disposal of suspect ACM from roof, LBP material in 15 cy lined roll off containers
5.11	Transportation & Disposal (equipment)	1	LS	\$ 5,000	\$ 5,000	Disposal of former transformers
5.12	Surface restoration	1	LS	\$ 5,000	\$ 5,000	Fill in trenches and raise to slab level, slab clean-up with HEPA vacuum and wet mop
5.13	Installation of Asphalt cap	8	Ton	\$ 70	\$ 535	6 inch cap will be installed on top of slab
5.14	Decon Water Storage, Characterization and Disposal	1	LS	\$ 15,000	\$ 15,000	
5.15	Post-demolition Surveying	1	LS	\$ 4,000	\$ 4,000	
Sub-Total					\$ 90,322	

**Table 2 - Conceptual Cost Estimate for Demolition and Offsite Disposal IRM
Building #8 Former AFP-51 Greece, NY**

CONCEPTUAL COST ESTIMATE SUMMARY						
Demolition and Offsite Disposal						
Site:	Former Air Force Plant, Building #8 Area (OU2)			Description:	Remove and contain water from floor and transformer trenches, remove transformers, battery rack and other miscellaneous equipment, transport and dispose off-site, demolish superstructure and dispose as PCB bulk waste, decontaminate slab and cap.	
Location:	Greece, New York					
Phase:	IRM - Building #8					
Base Year:	2018					
Date:	February 28, 2019					
Item No.	Description	Quantity	Unit	Unit Cost	Total	Notes
6	Reporting					
6.1	Final Engineer's Report	1	LS	\$ 25,000	\$ 25,000	
6.2	Deed Restriction and Institutional Controls	1	LS	\$ 3,000	\$ 3,000	
6.3	Yearly Inspections	1	LS	\$ 1,000	\$ 1,000	
6.4	Coordination and Filing with USEPA Region 2 TSCA	1	LS	\$ 15,000	\$ 15,000	
	Sub-Total				\$ 44,000	
	Sub-Total - Estimated Costs				\$ 206,472	Sub-Total All Construction Costs.
	Contingency	20%			\$ 41,294	10% scope + 10% bid
	Sub-Total				\$ 247,767	
	Project Management	2%			\$ 4,955	
	Construction Management / Inspections	4%			\$ 9,911	
	Total Estimated Construction Costs:				\$262,630	

1 - ACM and LBP abatement estimated costs are not included as potential quantities are not known.

FIGURES

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SITE LOCATION MAP
FORMER AIR FORCE PLANT NO. 51 (NYSDEC SITE # 828156)

FIGURE 1



FORMER AIR FORCE PLANT #51 SITE
FORMER AIR FORCE PLANT NO, 51 (NYSDEC SITE # 828156)

FIGURE 2

BUILDING #8 TECHNICAL MEMORANDUM

APPENDIX A
2017 Photo Log



PHOTOGRAPHIC LOG

Client Name/Contract NYSDEC D007625		Site Location: NYSDEC AFP51	Project No. 10018641
Photo No. 1	Date: 10/7/17		
Description: Exterior view of Building 8. Exterior soil (K) taken directly outside corner windows.			

Photo No. 2	Date: 10/7/17
Description: Interior view of Northeastern corner. Note the transformer cage.	
	



PHOTOGRAPHIC LOG

Client Name/Contract NYSDEC D007625		Site Location: NYSDEC AFP51	Project No. 10018641
Photo No. 3	Date: 10/7/17		
Description: Transformers. Drained of PCBs. Aqueous sample (L) retrieved from water filled trench shown in picture. PCB wipes taken along base of each transformer. Concrete chip sample (A) taken directly in front of drainage trench. Concrete chip sample (C) taken on wall directly behind camera position.			

Photo No. 4	Date: 10/7/17	
Description: Interior View of Northwestern Corner.		



PHOTOGRAPHIC LOG

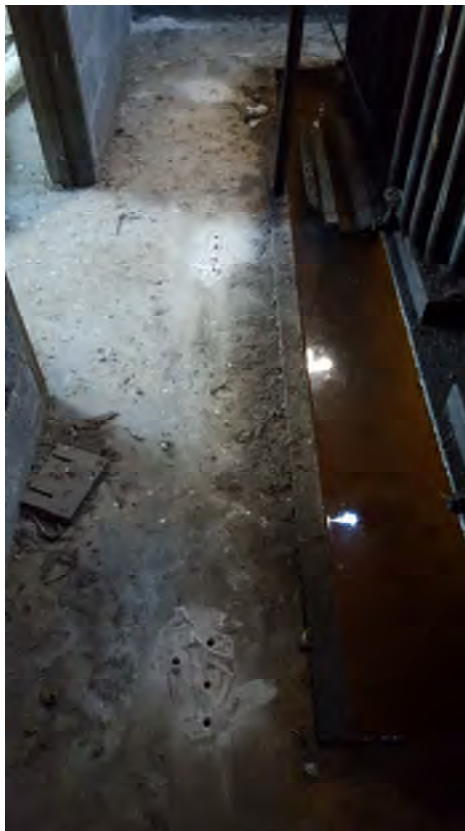
Client Name/Contract NYSDEC D007625		Site Location: NYSDEC AFP51	Project No. 10018641
Photo No. 5	Date: 10/7/17		
Description: Concrete chip sample (B) collected in front of former battery rack in northwest corner of building (note windows are the same visible in photo #1).			

Photo No. 6	Date: 10/7/17	
Description 100 cm ² section used in PCB wipe (E)		



PHOTOGRAPHIC LOG

Client Name/Contract NYSDEC D007625		Site Location: NYSDEC AFP51	Project No. 10018641
Photo No. 7	Date: 10/7/17		
Description: Sample collection of sub-slab soil (I). Slab thickness approx. 10 inches in this section.			

Photo No. 8	Date: 10/7/17	
Description Close-up of concrete chip (A) collection points		



PHOTOGRAPHIC LOG

Client Name/Contract NYSDEC D007625		Site Location: NYSDEC AFP51	Project No. 10018641
Photo No. 9	Date: 10/7/17		
Description: Open utility conduits along floor. Approx. 2 feet deep.			

Photo No. 10	Date: 10/7/17
Description: Locations of second sub-slab soil collection point. However, slab thickness exceeded capability of coring machine (slab thickness greater than 18 inches) and hole was abandoned.	
	



PHOTOGRAPHIC LOG

Client Name/Contract NYSDEC D007625		Site Location: NYSDEC AFP51	Project No. 10018641
Photo No. 11	Date: 10/7/17		
Description: Northeastern corner of building. Exterior wall destroyed during Building #1 demolition. Hole was patched with plywood and 2x4s.			

Photo No. 12	Date: 1/5/16	
Description: Floor drain where unconsolidated material (J) was collected.		



PHOTOGRAPHIC LOG

Client Name/Contract NYSDEC D007625		Site Location: NYSDEC AFP51	Project No. 10018641
Photo No. 13	Date: 10/7/17		
Description: Interior view towards the south / entrance. Concrete chip (D) collected along walls / floor immediately to the left of the entrance, and along the right side of the image.			

APPENDIX B
Historic Photos



Historic Photos of Property – Bldg #8



Historic Photos of Property – Bldg #8



Historic Photos of Property – Bldg #8



Historic Photos of Property – Bldg #8

APPENDIX C

Data Tables



Sample ID: Sample Date:				AFP51-ES-01-20171003 10/3/2017		AFP51-SS-01-20171003 10/3/2017		AFP51-TRS-20171003 10/3/2017		DUPE1-20171003 10/3/2017	
Chemical Name	NYSDEC Part 375 UUSCO	NYSDEC Part 375 CUSCO	NYSDEC Part 375 IUSCO	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Inorganics (mg/Kg)											
ALUMINUM	NS	NS	NS	18200		21200		NA	NA	NA	NA
ANTIMONY	NS	NS	NS	0.64	J	ND	UT	NA	NA	NA	NA
ARSENIC	13	16	16	7.4		8.5		NA	NA	NA	NA
BARIUM	350	400	10000	113		143		NA	NA	NA	NA
BERYLLIUM	7.2	590	2700	0.76		1.1		NA	NA	NA	NA
CADMIUM	2.5	9.3	60	0.43		0.39		NA	NA	NA	NA
CALCIUM	NS	NS	NS	10600	B	3220	B	NA	NA	NA	NA
CHROMIUM, TOTAL	30	1500	6800	26.9	B	27		NA	NA	NA	NA
COBALT	NS	NS	NS	12		23.1		NA	NA	NA	NA
COPPER	50	270	10000	37.5		25.5		NA	NA	NA	NA
CYANIDE	27	27	10000	ND	U	ND	U	NA	NA	NA	NA
IRON	NS	NS	NS	26000	B	28700		NA	NA	NA	NA
LEAD	63	1000	3900	63.7		23		NA	NA	NA	NA
MAGNESIUM	NS	NS	NS	8260		5570	B	NA	NA	NA	NA
MANGANESE	1600	10000	10000	589	B	1020	B	NA	NA	NA	NA
MERCURY	0.18	2.8	5.7	0.067		0.028		NA	NA	NA	NA
NICKEL	30	310	10000	34.3		52.4		NA	NA	NA	NA
POTASSIUM	NS	NS	NS	2950		3660	T	NA	NA	NA	NA
SELENIUM	3.9	1500	6800	0.66	J	ND	U	NA	NA	NA	NA
SILVER	2	1500	6800	ND	U	ND	U	NA	NA	NA	NA
SODIUM	NS	NS	NS	119	J	149	J	NA	NA	NA	NA
THALLIUM	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
VANADIUM	NS	NS	NS	33.4		38.9		NA	NA	NA	NA
ZINC	109	10000	10000	227		71.5		NA	NA	NA	NA
Volatile Organic Compounds (VOCs) (mg/Kg)											
1,1,1-TRICHLOROETHANE	0.68	500	1000	ND	U	ND	U	NA	NA	NA	NA
1,1,2,2-TETRACHLOROETHANE	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
1,1,2-TRICHLOROETHANE	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
1,1-DICHLOROETHANE	0.27	240	480	ND	U	ND	U	NA	NA	NA	NA
1,1-DICHLOROETHENE	0.33	500	1000	ND	U	ND	U	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
1,2-DICHLOROBENZENE	1.1	500	1000	ND	U	ND	UT	NA	NA	NA	NA
1,2-DICHLOROETHANE	0.02	30	60	ND	U	ND	UT	NA	NA	NA	NA
1,2-DICHLOROPROPANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
1,3-DICHLOROBENZENE	2.4	280	560	ND	U	ND	UT	NA	NA	NA	NA
1,4-DICHLOROBENZENE	1.8	130	250	ND	U	ND	UT	NA	NA	NA	NA
1,4-DIOXANE (P-DIOXANE)	0.1	130	250	ND	U	ND	UT	NA	NA	NA	NA
2-HEXANONE	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
ACETONE	0.05	500	1000	ND	U	ND	U	NA	NA	NA	NA
BENZENE	0.06	44	89	ND	U	ND	U	NA	NA	NA	NA
BROMODICHLOROMETHANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
BROMOFORM	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
BROMOMETHANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
CARBON DISULFIDE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
CARBON TETRACHLORIDE	0.76	22	44	ND	U	ND	U	NA	NA	NA	NA
CHLOROBENZENE	1.1	500	1000	ND	U	ND	U	NA	NA	NA	NA
CHLOROETHANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
CHLOROFORM	0.37	350	700	ND	U	0.00046	BJ	NA	NA	NA	NA
CHLOROMETHANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
CIS-1,2-DICHLOROETHYLENE	0.25	500	1000	ND	U	ND	U	NA	NA	NA	NA
CIS-1,3-DICHLOROPROPENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
CYCLOHEXANE	NS	NS	NS	0.0044	J	0.0041	J	NA	NA	NA	NA
DIBROMOCHLOROMETHANE	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
ETHYLBENZENE	1	390	780	ND	U	ND	UT	NA	NA	NA	NA



Sample ID: Sample Date:				AFP51-ES-01-20171003 10/3/2017		AFP51-SS-01-20171003 10/3/2017		AFP51-TRS-20171003 10/3/2017		DUPE1-20171003 10/3/2017	
Chemical Name	NYSDEC Part 375 UUSCO	NYSDEC Part 375 CUSCO	NYSDEC Part 375 IUSCO	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Isopropylbenzene (Cumene)	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
METHYL ACETATE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
METHYL ETHYL KETONE (2-BUTANONE)	0.12	500	1000	ND	U	ND	UT	NA	NA	NA	NA
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
METHYLCYCLOHEXANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
Methylcyclopentane	NS	NS	NS	0.015	JN	0.012	JN	NA	NA	NA	NA
METHYLENE CHLORIDE	0.05	500	1000	ND	U	0.0054	B	NA	NA	NA	NA
N-HEXANE	NS	NS	NS	0.73	JN	0.72	JN	NA	NA	NA	NA
STYRENE	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
TERT-BUTYL METHYL ETHER	0.93	500	1000	ND	U	ND	U	NA	NA	NA	NA
TETRACHLOROETHYLENE(PCE)	1.3	150	300	0.0025	BJ	ND	U	NA	NA	NA	NA
TOLUENE	0.7	500	1000	ND	U	ND	U	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	0.19	500	1000	ND	U	ND	U	NA	NA	NA	NA
TRANS-1,3-DICHLOROPROPENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
TRICHLOROETHYLENE (TCE)	0.47	200	400	ND	U	ND	U	NA	NA	NA	NA
TRICHLOROFLUOROMETHANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
VINYL CHLORIDE	0.02	13	27	ND	U	ND	U	NA	NA	NA	NA
XYLENES, TOTAL	0.26	500	1000	ND	U	ND	U	NA	NA	NA	NA
Semi-Volatile Organic Compounds (SVOCs) (mg/Kg)											
1,4-DIOXANE (P-DIOXANE)	0.1	130	250	ND	U	ND	U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2,4-DINITROPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2,4-DINITROTOLUENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2,6-DINITROTOLUENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2-CHLOROPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2-Methylnaphthalene	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2-METHYLPHENOL (O-CRESOL)	0.33	500	1000	ND	U	ND	U	NA	NA	NA	NA
2-NITROANILINE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
2-NITROPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
3-NITROANILINE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
4-CHLOROANILINE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
4-METHYLPHENOL (P-CRESOL)	0.33	500	1000	ND	U	ND	U	NA	NA	NA	NA
4-NITROANILINE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
4-NITROPHENOL	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
ACENAPHTHENE	20	500	1000	ND	U	ND	U	NA	NA	NA	NA
ACENAPHTHYLENE	100	500	1000	ND	U	ND	U	NA	NA	NA	NA
ACETOPHENONE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
ANTHRACENE	100	500	1000	ND	U	ND	U	NA	NA	NA	NA
ATRAZINE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
BENZALDEHYDE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
BENZO(A)ANTHRACENE	1	5.6	11	0.3	J	ND	U	NA	NA	NA	NA
BENZO(A)PYRENE	1	1	1.1	0.36	J	ND	U	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	1	5.6	11	0.29	J	ND	UT	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	100	500	1000	0.3	J	ND	U	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	0.8	56	110	ND	U	ND	U	NA	NA	NA	NA
BENZYL BUTYL PHTHALATE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
BIPHENYL (DIPHENYL)	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
BIS(2-CHLOROETHOXY) METHANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA



Sample ID: Sample Date:				AFP51-ES-01-20171003 10/3/2017		AFP51-SS-01-20171003 10/3/2017		AFP51-TRS-20171003 10/3/2017		DUPE1-20171003 10/3/2017	
Chemical Name	NYSDEC Part 375 UUSCO	NYSDEC Part 375 CUSCO	NYSDEC Part 375 IUSCO	Result	Qual	Result	Qual	Result	Qual	Result	Qual
BIS(2-ETHYLHEXYL) PHTHALATE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
CAPROLACTAM	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
CARBAZOLE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
CHRYSENE	1	56	110	ND	U	ND	U	NA	NA	NA	NA
DIBENZ(A,H)ANTHRACENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
DIBENZOFURAN	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
DIETHYL PHTHALATE	NS	NS	NS	ND	U	0.066	BJ	NA	NA	NA	NA
DIMETHYL PHTHALATE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
DI-N-OCTYLPHTHALATE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
FLUORANTHENE	100	500	1000	0.48	J	ND	U	NA	NA	NA	NA
FLUORENE	30	5000	1000	ND	U	ND	U	NA	NA	NA	NA
HEXACHLOROBENZENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
HEXACHLOROETHANE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
INDENO(1,2,3-C,D)PYRENE	0.5	5.6	11	0.3	J	ND	U	NA	NA	NA	NA
ISOPHORONE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
NAPHTHALENE	12	500	1000	ND	U	ND	U	NA	NA	NA	NA
NITROBENZENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
N-NITROSODI-N-PROPYLAMINE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
PENTACHLOROPHENOL	0.8	6.7	55	ND	U	ND	U	NA	NA	NA	NA
PHENANTHRENE	100	500	1000	0.31	J	ND	U	NA	NA	NA	NA
PHENOL	0.33	500	1000	ND	U	ND	U	NA	NA	NA	NA
PYRENE	100	500	1000	0.39	J	ND	U	NA	NA	NA	NA
PCBs (mg/Kg)											
PCB-1016 (AROCLOR 1016)	0.1	1	25	ND	U	ND	U	ND	U	ND	U
PCB-1221 (AROCLOR 1221)	0.1	1	25	ND	U	ND	U	ND	U	ND	U
PCB-1232 (AROCLOR 1232)	0.1	1	25	ND	U	ND	U	ND	U	ND	U
PCB-1242 (AROCLOR 1242)	0.1	1	25	ND	U	ND	U	ND	U	ND	U
PCB-1248 (AROCLOR 1248)	0.1	1	25	ND	U	ND	U	ND	U	ND	U
PCB-1254 (AROCLOR 1254)	0.1	1	25	ND	U	ND	U	ND	U	ND	U
PCB-1260 (AROCLOR 1260)	0.1	1	25	ND	U	ND	U	150		190	
Pesticides (mg/Kg)											
ALDRIN	0.005	0.68	1.4	ND	U	ND	U	NA	NA	NA	NA
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.02	3.4	6.8	ND	U	ND	U	NA	NA	NA	NA
ALPHA CHLORDANE	0.094	24	47	ND	U	ND	U	NA	NA	NA	NA
ALPHA ENDOSULFAN	2.4	200	920	ND	U	ND	U	NA	NA	NA	NA
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	0.036	3	14	ND	U	ND	U	NA	NA	NA	NA
BETA ENDOSULFAN	2.4	200	920	ND	U	ND	U	NA	NA	NA	NA
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.04	500	1000	ND	U	ND	U	NA	NA	NA	NA
DIELDRIN	0.005	1.4	2.8	ND	U	ND	U	NA	NA	NA	NA
ENDOSULFAN SULFATE	2.4	200	920	ND	U	ND	U	NA	NA	NA	NA
ENDRIN	0.014	89	410	ND	U	ND	U	NA	NA	NA	NA
ENDRIN ALDEHYDE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
ENDRIN KETONE	NS	NS	NS	ND	U	ND	UT	NA	NA	NA	NA
GAMMA BHC (LINDANE)	0.1	9.2	23	ND	U	ND	U	NA	NA	NA	NA
HEPTACHLOR	0.042	15	29	ND	U	ND	U	NA	NA	NA	NA
HEPTACHLOR EPOXIDE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
METHOXYCHLOR	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
P,P'-DDD	0.0033	92	180	ND	U	ND	U	NA	NA	NA	NA
P,P'-DDE	0.0033	62	120	0.0024	J	ND	U	NA	NA	NA	NA
P,P'-DDT	0.0033	47	94	0.0072	J	0.00099	J	NA	NA	NA	NA
TOXAPHENE	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA
trans-Chlordane	NS	NS	NS	ND	U	ND	U	NA	NA	NA	NA



Sample ID: Sample Date:		AFP51-WP-01-20171002 10/3/2017		AFP51-WP-02-20171002 10/3/2017		AFP51-WP-03-20171002 10/3/2017		AFP51-WP-04-20171002 10/3/2017	
Chemical Name		Result	Qual	Result	Qual	Result	Qual	Result	Qual
PCBs (ug/ 100 cm ²)									
PCB-1016 (AROCOR 1016)		ND	U	ND	U	ND	U	ND	U
PCB-1221 (AROCOR 1221)		ND	U	ND	U	ND	U	ND	U
PCB-1232 (AROCOR 1232)		ND	U	ND	U	ND	U	ND	U
PCB-1242 (AROCOR 1242)		ND	U	ND	U	ND	U	ND	U
PCB-1248 (AROCOR 1248)		ND	U	ND	U	ND	U	ND	U
PCB-1254 (AROCOR 1254)		ND	U	ND	U	ND	U	2.2	
PCB-1260 (AROCOR 1260)		4.7		ND	U	3.1		5.8	

Sample ID: Sample Date:		AFP51-CC-01-20171002 10/2/2017		AFP51-CC-02-20171002 10/2/2017		AFP51-CC-03-20171002 10/2/2017		AFP51-CC-04-20171002 10/2/2017	
Chemical Name		Result	Qual	Result	Qual	Result	Qual	Result	Qual
PCBs (mg/kg)									
PCB-1016 (AROCOR 1016)		ND	U	ND	U	ND	U	ND	U
PCB-1221 (AROCOR 1221)		ND	U	ND	U	ND	U	ND	U
PCB-1232 (AROCOR 1232)		ND	U	ND	U	ND	U	ND	U
PCB-1242 (AROCOR 1242)		ND	U	ND	U	ND	U	ND	U
PCB-1248 (AROCOR 1248)		ND	U	ND	U	ND	U	ND	U
PCB-1254 (AROCOR 1254)		ND	U	ND	U	ND	U	ND	U
PCB-1260 (AROCOR 1260)		0.25		1.1		0.75		0.54	

Sample ID: Sample Date:		AFP51-SW-01-20171002 10/3/2017	
Chemical Name		Result	Qual
PCBs (ug/L)			
PCB-1016 (AROCOR 1016)		ND	U
PCB-1221 (AROCOR 1221)		ND	U
PCB-1232 (AROCOR 1232)		ND	U
PCB-1242 (AROCOR 1242)		ND	U
PCB-1248 (AROCOR 1248)		ND	U
PCB-1254 (AROCOR 1254)		ND	U
PCB-1260 (AROCOR 1260)		0.78	

Table 2 - Sitewide Groundwater Analytical Results

Qualifiers

GC/MS VOA

Qualifier

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	Presumptive evidence of material
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: Analyte present in original sample is > 4x the matrix spike concentration; therefore, control limits are not applicable.
W	PS: Post-digestion spike was outside control limits
V	Serial Dilution exceeds the control limits

Glossery:

- NA – Not Analyzed
- NS – Not specified
- ND – Not detected at the reporting limit

Criteria :

- NYSDEC Part 375 UUSCO - Unrestricted Use Soil Cleanup Objectives
- NYSDEC Part 375 CUSCOs - Commercial Use Soil Cleanup Objectives
- NYSDEC Part 375 IUSCOs - Industrial Use Soil Cleanup Objectives

Bold : Exceedence of Unrestricted Use criteria

Italic : Exceedence of Commercial Use criteria

Shaded : Exceedence of Industrial Use criteria

APPENDIX D

Data Usability Summary Report

DATA USABILITY SUMMARY REPORT
NYSDEC - Air Force Plant 51: Site #: 828156
Building 8

Solid Volatile Organic Analyses by Method SW846 8260B

Samples Collected: October 2nd & 3rd, 2017

Samples Received: October 4, 2017

Sample Delivery Group: 480-125211

Laboratory – Test America

Laboratory Reference Numbers:

Lab ID	Client Sample #	Date Collected
480-125211-7	AFP51-SS-01-20171003	10/03/17
480-125211-7 MS	AFP51-SS-01-20171003 MS	10/03/17
480-125211-7 MSD	AFP51-SS-01-20171003 MSD	10/03/17
480-125211-8	AFP51-ES-01-20171003	10/03/17

Solid samples were validated for analyses of volatile organics by the US EPA Region II data validation SOP (HW-24, Revision 2, 2008). Data were reviewed for usability according to the following criteria:

- * - Data Completeness
- * - GC/MS Tuning
- * - Holding Times
 - Calibrations
 - Laboratory Blanks
 - Trip Blank
 - Field Blank
 - Equipment / Rinsate Blank
 - Field Duplicates
- * - Surrogate Compound Recoveries
- * - Internal Standard Recoveries
 - Matrix Spike
 - Laboratory Control Samples
- * - Compound Identification
- * - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The problems with the laboratory control sample and matrix spike, laboratory blanks and calibrations should be noted. These are discussed in detail below.

Holding Times

All of the samples were analyzed within 14 days of collection.

Tunes

No problems were detected with the tunes associated with the samples of this delivery group.

Surrogate Compound Recoveries

All surrogate compound recoveries were within the quality assurance limits.

Initial Calibrations

All of the %RSDs in the initial calibration were less than 20% or had a correlation coefficient greater than 0.99.

The relative response factor of 1,4-dioxane (0.008) was less than the 0.05 quality control limit.

This compound was not detected in any of the samples. The 2-butanone data were flagged with the "R" qualifier and technically rejected.

Continuing Calibrations

All of the %Ds in the 10/5 continuing calibration were less than 20%.

This continuing calibration was associated with the analysis of sample 480-125211-7 / AFP51-SS-01-20171003.

All of the %Ds in the 10/11 continuing calibration were less than 20% with the exception of 1,4-dioxane (32%)

This continuing calibration was associated with the analyses of sample 480-125211-8 / AFP51-ES-01-20171003

The relative response factor of 1,4-dioxane was also less than the 0.05 quality control limit in both continuing calibrations.

This compound was not detected in any of the samples. The 1,4-dioxane data were flagged with the "R" qualifier and technically rejected.

Matrix Spike

Sample 480-125211-7 / AFP51-SS-01-20171003 was used as the matrix spike and matrix spike duplicate.

All recoveries were within the required limits with the following exceptions:

Compound	MS	MSD
1,1,2,2-Tetrachloroethane	65%	
1,2,4-Trichlorobenzene	55%	
1,2-Dibromo-3-Chloropropane	48%	59%
1,2-Dichlorobenzene	68%	
1,3-Dichlorobenzene	68%	
1,4-Dichlorobenzene	67%	
1,4-Dioxane (P-Dioxane)	63%	65%
2-Hexanone	57%	65%
Acetone	62%	64%
Chloromethane	64%	
Dichlorodifluoromethane	67%	
Methyl Acetate	66%	
Methyl Ethyl Ketone (2-Butanone)	57%	64%
Vinyl Chloride	68%	

The data for these compounds were flagged with the “J” qualifier and are estimated values.

All %RSDs were less than 30%.

Field Duplicates

Field duplicates were not collected for this fraction.

Laboratory Control Sample

The laboratory's in-house QC limits noted on their summary forms were often wider than the 70% - 130% Region 2 limits. The data were validated on the basis of the Region 2 limits.

Two laboratory control samples were analyzed with this sample delivery group.

LCS 480-380355 / 1-A (10/15) was associated with the analysis of the sample 480-125211-7 / AFP51-SS-01-20171003.

All recoveries were within the 70% - 130% quality control limits.

LCS 480-381295 / 1-A (10/11) was associated with the analyses of the sample 480-125211-8 / AFP51-ES-01-20171003.

All recoveries were within the required limits with the exception of chloromethane (67%).

Chloromethane was not detected in the sample and it is possible that a low concentration was overlooked.

The data was flagged with the “J” qualifier and is an estimated value.

Method Blanks

Two method blanks were analyzed with this sample delivery group.

Low concentrations of chloroform (038 ug/kg) and methylene chloride (4.4 ug/kg) were detected in the method blank associated with the analysis of sample 480-125211-7 / AFP51-SS-01-20171003.

A low concentration of tetrachloroethene (1.79 ug/kg) was detected in the method blank associated with the analysis of sample 480-125211-8 / AFP51-ES-01-20171003.

Similar concentrations of these compounds were detected in the associated samples. The data for these compounds were flagged with the "U" qualifier and reported at the CRDL.

Trip Blank

A trip blank was not analyzed.

Field Blank

A field blank was not analyzed.

Equipment / Rinsate Blank

An equipment blank was not analyzed.

Internal Standard Areas and Retention Times

The areas and retention times of all internal standards were within the required quality control limits.

Sample Results

No problems were detected with any of the samples.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION
NYSDEC - Air Force Plant 51: Site #828156
Building 8**

Solid Semivolatile Organic Analyses by Method SW846 8270D

Samples Collected: October 2nd & 3rd, 2017

Samples Received: October 4, 2017

Sample Delivery Group: 480-125211

Laboratory – Test America

Laboratory Reference Numbers:

Lab ID	Client Sample #	Date Collected
480-125211-7	AFP51-SS-01-20171003	10/03/17
480-125211-7 MS	AFP51-SS-01-20171003 MS	10/03/17
480-125211-7 MSD	AFP51-SS-01-20171003 MSD	10/03/17
480-125211-8	AFP51-ES-01-20171003	10/03/17

Solid samples were validated for analyses of semivolatile organics by the US EPA Region II data validation SOP (HW-22, Revision 3). Data were reviewed for usability according to the following criteria:

- * - Data Completeness
- * - GC/MS Tuning
- * - Holding Times
 - Calibrations
 - Laboratory Blanks
- * - Laboratory Control Sample
- * - Surrogate Compound Recoveries
- * - Internal Standard Recoveries
- * - Matrix Spike / Matrix Spike Duplicate
 - Field Duplicate
 - Field Blank
 - Equipment / Rinsate Blank
- * - Compound Identification
- * - Compound Quantitation

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The problems with the continuing calibrations and method blank should be noted. These area described in detail below.

Holding Times

All of the samples were extracted within the required 7 days.

All samples were analyzed (40 days) within the contractual and technical times required by the US EPA Region II protocols.

Tunes

No problems were detected with any of the tunes associated with the samples of this delivery group.

Surrogate Recoveries

All surrogate recoveries were within the required limits.

Matrix Spike / Matrix Spike Duplicate

Sample 480-125211-7 / AFP51-SS-01-20171003 was used as the matrix spike and matrix spike duplicate.

All recoveries and RPDs were within the required limits.

Laboratory Control Samples

Two laboratory control samples were analyzed with this sample delivery group.

All the recoveries in LCS associated with the analysis of sample 480-125211-7 / AFP51-SS-01-20171003 were within the required limits with the exception of benzo(b)fluoranthene (122%). This was just above the 120% quality control limit.

It was not detected in the sample and the high recovery does not affect the use of the data.

All the recoveries in LCS associated with the analysis of sample 480-125211-8 / AFP51-ES-01-20171003 were within the required limits.

Initial Calibration

All %RSDs were less than 10% or had a linear regression greater than 0.99.

Continuing Calibrations

The all percent differences in the 10/6 continuing calibration associated with the analysis of sample 480-125211-7 / AFP51-SS-01-20171003 were less than 20% with the exceptions of diethylphthalate (32%) and pentachlorophenol (26%).

The all percent differences in the 10/13 continuing calibration associated with the analysis of sample 480-125211-8 / AFP51-ES-01-20171003 were less than 20% with the exceptions of benzaldehyde (25%) and pentachlorophenol (29%).

The data for these compounds were flagged with the "J" qualifier and are estimated values.

All relative response factors were greater than 0.05.

Method Blank

A low concentration of diethylphthalate (108 J ug/kg) was detected in the method blank associated with the analysis of sample 480-125211-7 / AFP51-SS-01-20171003

This was detected at a similar concentration (66 J ug/kg) in the sample.

The data was flagged with the "U" qualifier and reported at the CRDL.

No compounds were detected in the method blank associated with sample 480-125211-8 / AFP51-ES-01-20171003.

Equipment / Rinsate Blank

An equipment blank was not collected with this sample delivery group.

Field Blank

A field blank was not collected with this sample delivery group.

Field Duplicates

Field duplicates were not collected with this sample delivery group.

Internal Standard Areas and Retention Times

All internal standard recoveries and retention times were within the required limits.

Sample Results

No problems were found with the results of any of the samples of this delivery group.

SUMMARY OF THE ANALYTICAL DATA VALIDATION
NYSDEC - Air Force Plant 51: Site # 828156
Building 8

Solid Pesticide Analyses

Samples Collected: October 2nd & 3rd, 2017

Samples Received: October 4, 2017

Sample Delivery Group: 480-125211

Laboratory – Test America

Laboratory Reference Numbers:

Lab ID	Client Sample #	Date Collected
480-125211-7	AFP51-SS-01-20171003	10/03/17
480-125211-7 MS	AFP51-SS-01-20171003 MS	10/03/17
480-125211-7 MSD	AFP51-SS-01-20171003 MSD	10/03/17
480-125211-8	AFP51-ES-01-20171003	10/03/17

Solid samples were validated for analyses of pesticides by the US EPA Region II data validation SOP (HW-44, Revision 1). Data were reviewed for usability according to the following criteria:

- * - Data Completeness
- * - Holding Times
 - Field Blank
 - Equipment / Rinsate Blank
 - Field Duplicates
 - Surrogate Recoveries
- * - Surrogate Retention Times
 - Matrix Spike / Matrix Spike Duplicate
- * - Laboratory Control Samples
- * - Calibrations
- * - Method Blanks
- * - Performance Evaluation Mixtures
 - GPC Analysis
- * - Internal Standard Recoveries
- * - Compound Identification
- * - Compound Concentrations

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

No problems were detected that would affect the use of the data.

Holding Times

All extractions and analyses were performed within the required 7 day and 40 day holding times.

Surrogate Recoveries

All surrogate recoveries were within the quality control limits with the following exceptions:

Sample		TCX 1	TCX 2	DCB 1	DCB 2
480-125211-7	AFP51-SS-01-20171003			135%	144%
480-125211-8	AFP51-ES-01-20171003	127%		216%	248%

The data for the compounds detected in the two samples were flagged with the “J” qualifier and are estimated values.

High recoveries do not affect the use of undetected data.

Matrix Spike

Sample 480-125211-7 / AFP51-SS-01-20171003 was analyzed as the matrix spike and matrix spike duplicate. All recoveries and RPDs were within the required limits with the exception of endrin ketone (132%) in the matrix spike.

This compound was not detected in any of the samples and the high recovery does not affect the use of the data.

Laboratory Control Samples

All recoveries were within the quality control limits.

Initial Calibrations

The initial calibrations were calculated on the basis of a linear regressions as opposed to %RSD. All correlation coefficients were greater than 0.99.

Continuing Calibrations

All of the percent differences in the continuing calibrations were less than the 20% quality control limit.

All of the endrin and DDT breakdowns were within the required limits.

GPC Cleanup

A GPC cleanup was not performed on these samples.

Equipment / Rinsate Blank

An equipment blank was not collected for this sample delivery group.

Method Blank

No compounds were detected in either of the two method blanks.

Field Blank

A field blank was not collected with this sample delivery group.

Field Duplicates

A field duplicate was not collected with this sample delivery group.

Internal Standard Recoveries

All internal standard recoveries were within the 50% - 200% required limits.

Resolution Check Summaries

All compound resolutions were 100%.

Sample Results

During a data validation the data are usually qualified on the basis of the percent difference of the concentrations on the two columns:

<u>% Difference</u>	Qualifier
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

The lower concentration is routinely reported.

The laboratory reported all of the data from the RTX-CLP1 column.

Only low concentrations of pesticides were detected. All of the RPDs were less than 25%.

The laboratory data were not changed to report the data from the lower concentration.

No other problems were detected with the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION
NYSDEC - Air Force Plant 51: Site# 828156
Building 8**

Total Metals and Cyanide Analysis

Samples Collected: October 2nd & 3rd, 2017

Samples Received: October 4, 2017

Sample Delivery Group: 480-125211

Laboratory – Test America

Laboratory Reference Numbers:

Lab ID	Client Sample #	Date Collected
480-125211-7	AFP51-SS-01-20171003	10/03/17
480-125211-7 MS	AFP51-SS-01-20171003 MS	10/03/17
480-125211-7 MSD	AFP51-SS-01-20171003 MSD	10/03/17
480-125211-8	AFP51-ES-01-20171003	10/03/17

Solid samples were validated for inorganic analyses by the US EPA Region II data validation SOP (HW-2, Revision 13). Data were reviewed for usability according to the following criteria:

- * - Holding Times
- * - Calibration Verification
- * - CRDL Standard
- * - Laboratory Control Sample
 - Serial Dilution
- * - Calibration Blanks
 - Field Blank
 - Equipment / Rinsate Blank
 - Field Duplicate
- * - Preparation Blanks
 - Matrix Spike
 - Duplicate Analyses
- * - ICP Interference Check Sample
- * - Detection Limit Results
- * - Linear Range
- * - Sample Results

* - Indicates that all criteria were met for this parameter.

Data Validation Summary

The problems with the matrix spike and serial dilutions should be noted. These are described in detail below.

No other problems were detected that would affect the use of the data.

Holding Times

All samples were analyzed within the required holding times.

CRDL Standards

The recoveries of all CRDL standards were within the 70% - 130% quality control limits used for the data validation with the exceptions of iron (170%) and magnesium (140%).

The concentrations of these analytes in the samples were too high to be affected by the CRDL recoveries.

Initial and Continuing Calibrations

No problems were found with any of the initial or continuing calibrations.

Preparation Blank

No compounds were detected in the preparation blanks associated with the digestions of these samples at concentrations above the CRDL. Several analytes were found in the preparation blank at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table since the concentration in the samples was much greater than the concentration in the method blank.

The laboratory flagged the samples associated with an analyte detected in a blank with the "B" qualifier. The "B" qualifier was removed in the data validation.

Calibration Blanks

Several analytes were found in the continuing calibration blanks at concentrations between the CRDL and instrument detection limit. These very low concentrations are not required to be noted in the data validation summary table and do not affect the end use of the data.

Equipment / Rinsate Blank

An equipment blank was not analyzed.

ICP Interference Check Sample

All of the ICP Interference Check Sample recoveries were within the required limits.

Matrix Spike Recovery

Sample 480-125211-7 / AFP51-SS-01-20171003 was used as the matrix spike and matrix spike duplicate for the dissolved fraction.

All recoveries for the total metals, that could be accurately calculated, were within the required 75% - 125% quality control limits with the exceptions of antimony (47%) and potassium (240%).

The data for these analytes were flagged with the “J” qualifier and are estimated values.

Matrix Duplicate Analysis

A matrix duplicate was not analyzed.

Field Duplicates

Field duplicates were not collected.

Laboratory Control Sample

No problems were detected with the recoveries of the LCS standards.

Serial Dilution

Sample 480-125211-7 / AFP51-SS-01-20171003 was used as the serial dilution for the dissolved fraction.

All percent differences that could be accurately calculated were less than 10% with the following exceptions:

Analyte	%D
Aluminum	26%
Barium	27%
Beryllium	34%
Calcium	29%
Chromium, Total	25%
Copper	19%
Magnesium	27%
Manganese	30%
Potassium	25%
Vanadium	25%
Zinc	28%

The data for these analytes were flagged with the “J” qualifier and are estimated values.

Instrument Detection Limit

No problems were found with the instrument detection limits.

ICP Linear Ranges

No problems were detected with the linear ranges.

Sample Results

No problems were detected with any of the data.

**SUMMARY OF THE ANALYTICAL DATA VALIDATION
NYSDEC - Air Force Plant 51: Site # 828156
Building 8**

Solid PCB Analyses by Method SW846 8082
Samples Collected: October 2nd & 3rd, 2017
Samples Received: October 4, 2017
Sample Delivery Group: 480-125211
Laboratory – Test America

Laboratory Reference Numbers:

Lab ID	Client Sample #	Date Collected
480-125211-1	AFP51-CC-01-20171002	10/02/17
480-125211-2	AFP51-CC-02-20171002	10/02/17
480-125211-3	AFP51-CC-03-20171002	10/02/17
480-125211-4	AFP51-CC-04-20171002	10/02/17
480-125211-5	AFP51-TRS-20171003	10/03/17
480-125211-6	DUPE1-20171003	10/03/17
480-125211-7	AFP51-SS-01-20171003	10/03/17
480-125211-7 MS	AFP51-SS-01-20171003 MS	10/03/17
480-125211-7 MSD	AFP51-SS-01-20171003 MSD	10/03/17
480-125211-8	AFP51-ES-01-20171003	10/03/17

Solid samples were validated for analyses of PCBs by the US EPA Region II data validation SOP (HW-45, Revision 1). Data were reviewed for usability according to the following criteria:

- * - Data Completeness
- * - Holding Times
- * - Laboratory Blanks
- * - Field Duplicates
 - Equipment / Rinsate Blank
 - Field Blank
 - Surrogate Recoveries
- * - Surrogate Retention Times
 - Matrix Spike / Matrix Spike Duplicate
- * - Laboratory Control Samples
- * - Calibrations
- * - Internal Standard Recoveries and Retention Times
- * - Method Blank
 - GPC Calibration
- * - Compound Identification

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The problems with the surrogate recoveries should be noted. These are described in detail below.

No other problems were found that would affect the use of the data.

Holding Times

All extractions and analyses were performed within the required 7 day and 40 day holding times.

Surrogate Recoveries

All surrogate recoveries were within the required quality control limits with the following exceptions:

Sample		TCX 1	TCX 2	DCB 1	DCB 2
480-125211-4	AFP51-CC-04-20171002	53%	46%		56%
480-125211-5	AFP51-TRS-20171003	0%	0%	0%	0%
480-125211-6	DUPE1-20171003	201%	183%	586%	568%

The data for sample 480-125211-4 / AFP51-CC-04-20171002 were flagged with the “J” qualifier and are estimated values.

The data for the other two samples were not qualified since they were analyzed at 50X and 100X dilutions. The problems with the recoveries were likely due to the high dilutions.

Matrix Spike

Sample 480-125211-7 / AFP51-SS-01-20171003 was used for the matrix spike and matrix spike duplicate.

All recoveries were within the required limits.

The RPD of the recoveries of PCB-1016 (64%) was just above the 50% quality control limit. This PCB was not detected in either sample. The data were not qualified for the slightly high RPD.

Field Duplicates

Samples 480-125211-5 / AFP51-TRS-20171003 and 480-125211-6 / DUPE1-20171003 were collected as field duplicates.

Only PCB 1260 was detected in the two samples at concentrations of 150 ug/kg and 180 ug/kg. The RPD of 18% was less than the 30% quality control limit used for the purpose of the data validation.

Laboratory Control Samples

All recoveries were within the required limits.

Initial Calibrations

All percent RSDs were less than 20% or had linear regressions greater than the 0.99 quality control limits.

Continuing Calibrations

All average percent differences for the each PCB standard were less than or equal to 20%.

GPC Calibration

A GPC cleanup was not performed on these samples.

Method Blanks

No PCBs were detected in either method blank.

Calibration Blanks

Continuing calibration blanks were not analyzed.

Field Blank

A field blank was not collected.

Equipment Blank

An equipment blank was not collected.

Internal Standard Recoveries

All internal standard recoveries and retention times were within the required limits.

Sample Results

During a data validation the data are usually qualified on the basis of the percent difference of the concentrations on the two columns:

<u>% Difference</u>	Qualifier
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

The lower concentration is routinely reported.

The laboratory reported all of the data from the ZB-35 column.

Only low concentrations of PCBs were detected. All of the RPDs were less than 25%.

The laboratory data were not changed to report the data from the lower concentration.

No other problems were detected with the data.

SUMMARY OF THE ANALYTICAL DATA VALIDATION
NYSDEC - Air Force Plant 51: Site # 828156
Building 8

Solid and Liquid PCB Analyses by Method SW846 8082

Samples Collected: October 2, 2017

Samples Received: October 4, 2017

Sample Delivery Group: 480-125212

Laboratory – Test America

Laboratory Reference Numbers:

Lab ID	Client Sample #	Matrix
480-125212-1	AFP51-WP-01-20171002	Wipe
480-125212-2	AFP51-WP-02-20171002	Wipe
480-125212-3	AFP51-WP-03-20171002	Wipe
480-125212-4	AFP51-WP-04-20171002	Wipe
480-125212-5	AFP51-SW-01-20171002	Water

Solid and water samples were validated for analyses of PCBs by the US EPA Region II data validation SOP (HW-45, Revision 1). Data were reviewed for usability according to the following criteria:

- * - Data Completeness
 - Holding Times
- * - Laboratory Blanks
 - Field Duplicates
 - Equipment / Rinsate Blank
 - Field Blank
- * - Surrogate Recoveries
- * - Surrogate Retention Times
 - Matrix Spike / Matrix Spike Duplicate
- * - Laboratory Control Samples
- * - Calibrations
- * - Internal Standard Recoveries and Retention Times
- * - Method Blank
 - GPC Calibration
- * - Compound Identification

* - Indicates that all criteria were met for this parameter.

DATA VALIDATION SUMMARY

The minor problem with the water holding time should be noted.
Some of the sample data were changed to report the lower of the two concentrations calculated from each column.

These are described in detail below.

Holding Times

All solid extractions and analyses were performed within the required 7 day and 40 day holding times.

The water sample was extracted 1 day beyond the 7 day holding time. This does not affect the use of the data and the data were not qualified.

Surrogate Recoveries

All surrogate recoveries were within the laboratory's quality control limits.

Matrix Spike

A matrix spike and matrix spike duplicate were not analyzed.

Field Duplicates

Field duplicates were not collected.

Laboratory Control Samples

All recoveries were within the required limits.

Initial Calibrations

All percent RSDs were less than 20% or had linear regressions greater than the 0.99 quality control limits.

Continuing Calibrations

All average percent differences for the each PCB standard were less than or equal to 20%.

GPC Calibration

A GPC cleanup was not performed on these samples.

Method Blanks

No PCBs were detected in either method blank.

Calibration Blanks

Continuing calibration blanks were not analyzed.

Field Blank

A field blank was not collected.

Equipment Blank

An equipment blank was not collected.

Internal Standard Recoveries

All internal standard recoveries and retention times were within the required limits.

Sample Results

During a data validation the data are usually qualified on the basis of the percent difference of the concentrations on the two columns:

<u>% Difference</u>	Qualifier
0 - 25%	None
25 - 70%	"J"
70 - 100%	"JN"
> 100%	"R"
100 - 200% (Interference detected)	"JN"
> 50% (Value is < CRQL)	"U"

The lower concentration is routinely reported.

Sample 480-125212-1 / AFP51-WP-01-20171002

The concentrations from the two columns for PCB-1260 were 4.7 ug / wipe and 3.0 ug / wipe for an RPD of 43%.

The laboratory reported the higher concentration of 4.7 ug / wipe.

This was changed to the lower value of 3.0 J ug / wipe in the EDD.

Sample 480-125212-4 / AFP51-WP-04-20171002

The concentrations from the two columns for PCB-1260 were 5.8 ug / wipe and 4.3 ug / wipe for an RPD of 28%.

The laboratory reported the higher concentration of 5.8 ug / wipe.

This was changed to the lower value of 4.3 J ug / wipe in the EDD.

All of the other RPDs were less than 25%.

No other problems were detected with the data.

Appendix E
Excerpts from Title 40, Part 761

Source:

PART 761—POLYCHLORINATED BIPHENYLS (PCBs) MANUFACTURING, PROCESSING, DISTRIBUTION IN COMMERCE, AND USE PROHIBITIONS (June 2018)

Relevant portions of Part 761 are provided here and highlighted in yellow as applicable to the Technical Memorandum. For more information, please refer <https://www.ecfr.gov/cgi-bin/text-idx?SID=9735c041a73542cc99f82aa37daf554b&mc=true&node=pt40.34.761&rgn=div5>

§761.60 Disposal requirements.

(a) *PCB liquids.* PCB liquids at concentrations ≥ 50 ppm must be disposed of in an incinerator which complies with §761.70, except that PCB liquids at concentrations ≥ 50 ppm and < 500 ppm may be disposed of as follows:

- (1) For mineral oil dielectric fluid, in a high efficiency boiler according to §761.71(a).
- (2) For liquids other than mineral oil dielectric fluid, in a high efficiency boiler according to §761.71(b).
- (3) For liquids from incidental sources, such as precipitation, condensation, leachate or load separation and are associated with PCB Articles or non-liquid PCB wastes, in a chemical waste landfill which complies with §761.75 if:
 - (i) [Reserved]
 - (ii) Information is provided to or obtained by the owner or operator of the chemical waste landfill that shows that the liquids do not exceed 500 ppm PCB and are not an ignitable waste as described in §761.75(b)(8)(iii).
- (b) *PCB Articles.* This paragraph does not authorize disposal that is otherwise prohibited in §761.20 or elsewhere in this part.

(1) *Transformers.* (i) PCB Transformers shall be disposed of in accordance with either of the following:

- (A) In an incinerator that complies with §761.70; or
- (B) In a chemical waste landfill approved under §761.75; provided that all free-flowing liquid is removed from the transformer, the transformer is filled with a solvent, the transformer is allowed to stand for at least 18 continuous hours, and then the solvent is thoroughly removed. Any person disposing of PCB liquids that are removed from the transformer (including the dielectric fluid and all solvents used as a flush), shall do so in an incinerator that complies with §761.70 of this part, or shall decontaminate them in accordance with §761.79. Solvents may include kerosene, xylene, toluene, and other solvents in which PCBs are readily soluble. Any person disposing of these PCB liquids must ensure that the solvent flushing procedure is conducted in accordance with applicable safety and health standards as required by Federal or State regulations.

(4) *PCB-Contaminated Electrical Equipment.* Any person disposing of PCB-Contaminated Electrical Equipment, except capacitors, shall do so in accordance with paragraph (b)(6)(ii)(A) of this section. Any person disposing of Large Capacitors that contain ≥ 50 ppm but < 500 ppm PCBs shall do so in a disposal facility approved under this part.

(6) *Other PCB Articles.* (i) PCB articles with concentrations at 500 ppm or greater must be disposed of:

(A) In an incinerator that complies with §761.70; or

(B) In a chemical waste landfill that complies with §761.75, provided that all free-flowing liquid PCBs have been thoroughly drained from any articles before the articles are placed in the chemical waste landfill and that the drained liquids are disposed of in an incinerator that complies with §761.70.

(ii)(A) Except as specifically provided in paragraphs (b)(1) through (b)(5) of this section, any person disposing of a PCB-Contaminated Article must do so by removing all free-flowing liquid from the article, disposing of the liquid in accordance with paragraph (a) of this section, and disposing of the PCB-Contaminated Article with no free-flowing liquid by one of the following methods:

(1) In accordance with §761.79.

(2) In a facility permitted, licensed, or registered by a State to manage municipal solid waste subject to part 258 of this chapter or non-municipal non-hazardous waste subject to §§257.5 through 257.30 of this chapter, as applicable (excluding thermal treatment units).

(3) In a scrap metal recovery oven or smelter operating in compliance with §761.72.

(4) In a disposal facility approved under this part.

(B) Storage for disposal of PCB-Contaminated Articles from which all free-flowing liquids have been removed is not regulated under subpart D of this part.

(C) Requirements in subparts J and K of this part do not apply to PCB-Contaminated Articles from which all free-flowing liquids have been removed.

(iii) Fluorescent light ballasts containing PCBs in their potting material must be disposed of in a TSCA-approved disposal facility, as bulk product waste under §761.62, as household waste under §761.63 (where applicable), or in accordance with the decontamination provisions of §761.79.

(8) Persons disposing of PCB Articles must wear or use protective clothing or equipment to protect against dermal contact with or inhalation of PCBs or materials containing PCBs.

§761.61 PCB remediation waste.

This section provides cleanup and disposal options for PCB remediation waste. Any person cleaning up and disposing of PCBs managed under this section shall do so based on the concentration at which the PCBs are found. This section does not prohibit any person from implementing temporary emergency measures to prevent, treat, or contain further releases or mitigate migration to the environment of PCBs or PCB remediation waste.

(a) *Self-implementing on-site cleanup and disposal of PCB remediation waste.* EPA designed the self-implementing procedure for a general, moderately-sized site where there should be low residual environmental impact from remedial activities. The procedure may be less practical for larger or environmentally diverse sites. For these other sites, the self-implementing procedure still applies, but an EPA Regional Administrator may authorize more practical procedures through paragraph (c) of this section. Any person may conduct self-implementing cleanup and disposal of PCB remediation waste in accordance with the following requirements without prior written approval from EPA.

(1) *Applicability.* (i) The self-implementing procedures may not be used to clean up:

(A) Surface or ground waters.

(B) Sediments in marine and freshwater ecosystems.

(C) Sewers or sewage treatment systems.

(D) Any private or public drinking water sources or distribution systems.

(E) Grazing lands.

(F) Vegetable gardens.

(ii) The self-implementing cleanup provisions shall not be binding upon cleanups conducted under other authorities, including but not limited to, actions conducted under section 104 or section 106 of CERCLA, or section 3004(u) and (v) or section 3008(h) of RCRA.

(2) *Site characterization.* Any person conducting self-implementing cleanup of PCB remediation waste must characterize the site adequately to be able to provide the information required by paragraph (a)(3) of this section. Subpart N of this part provides a method for collecting new site characterization data or for assessing the sufficiency of existing site characterization data.

(3) *Notification and certification.* (i) At least 30 days prior to the date that the cleanup of a site begins, the person in charge of the cleanup or the owner of the property where the PCB remediation waste is located shall notify, in writing, the EPA Regional Administrator, the Director of the State or Tribal environmental protection agency, and the Director of the county or local environmental protection agency where the cleanup will be conducted. The notice shall include:

(A) The nature of the contamination, including kinds of materials contaminated.

(B) A summary of the procedures used to sample contaminated and adjacent areas and a table or cleanup site map showing PCB concentrations measured in all pre-cleanup characterization samples. The summary must include sample collection and analysis dates. The EPA Regional Administrator may require more detailed information including, but not limited to, additional characterization sampling or all sample identification numbers from all previous characterization activities at the cleanup site.

(C) The location and extent of the identified contaminated area, including topographic maps with sample collection sites cross referenced to the sample identification numbers in the data summary from paragraph (a)(3)(i)(B) of this section.

(D) A cleanup plan for the site, including schedule, disposal technology, and approach. This plan should contain options and contingencies to be used if unanticipated higher concentrations or wider distributions of PCB remediation waste are found or other obstacles force changes in the cleanup approach.

(E) A written certification, signed by the owner of the property where the cleanup site is located and the party conducting the cleanup, that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site, are on file at the location designated in the certificate, and are available for EPA inspection. Persons using alternate methods for chemical extraction and chemical analysis for site characterization must include in the certificate a statement that

such a method will be used and that a comparison study which meets or exceeds the requirements of subpart Q of this part, and for which records are on file, has been completed prior to verification sampling.

(ii) Within 30 calendar days of receiving the notification, the EPA Regional Administrator will respond in writing approving of the self-implementing cleanup, disapproving of the self-implementing cleanup, or requiring additional information. If the EPA Regional Administrator does not respond within 30 calendar days of receiving the notice, the person submitting the notification may assume that it is complete and acceptable and proceed with the cleanup according to the information the person provided to the EPA Regional Administrator. Once cleanup is underway, the person conducting the cleanup must provide any proposed changes from the notification to the EPA Regional Administrator in writing no less than 14 calendar days prior to the proposed implementation of the change. The EPA Regional Administrator will determine in his or her discretion whether to accept the change, and will respond to the change notification verbally within 7 calendar days and in writing within 14 calendar days of receiving it. If the EPA Regional Administrator does not respond verbally within 7 calendar days and in writing within 14 calendar days of receiving the change notice, the person who submitted it may deem it complete and acceptable and proceed with the cleanup according to the information in the change notice provided to the EPA Regional Administrator.

(iii) Any person conducting a cleanup activity may obtain a waiver of the 30-day notification requirement, if they receive a separate waiver, in writing, from each of the agencies they are required to notify under this section. The person must retain the original written waiver as required in paragraph (a)(9) of this section.

(4) *Cleanup levels.* For purposes of cleaning, decontaminating, or removing PCB remediation waste under this section, there are four general waste categories: bulk PCB remediation waste, non-porous surfaces, porous surfaces, and liquids. Cleanup levels are based on the kind of material and the potential exposure to PCBs left after cleanup is completed.

(i) *Bulk PCB remediation waste.* Bulk PCB remediation waste includes, but is not limited to, the following non-liquid PCB remediation waste: soil, sediments, dredged materials, muds, PCB sewage sludge, and industrial sludge.

(A) *High occupancy areas.* The cleanup level for bulk PCB remediation waste in high occupancy areas is ≤ 1 ppm without further conditions. High occupancy areas where bulk PCB remediation waste remains at concentrations >1 ppm and ≤ 10 ppm shall be covered with a cap meeting the requirements of paragraphs (a)(7) and (a)(8) of this section.

(B) *Low occupancy areas.* (1) The cleanup level for bulk PCB remediation waste in low occupancy areas is ≤ 25 ppm unless otherwise specified in this paragraph.

(2) Bulk PCB remediation wastes may remain at a cleanup site at concentrations >25 ppm and ≤ 50 ppm if the site is secured by a fence and marked with a sign including the M_L mark.

(3) Bulk PCB remediation wastes may remain at a cleanup site at concentrations >25 ppm and ≤ 100 ppm if the site is covered with a cap meeting the requirements of paragraphs (a)(7) and (a)(8) of this section.

(ii) *Non-porous surfaces.* In high occupancy areas, the surface PCB cleanup standard is ≤ 10 $\mu\text{g}/100$ cm^2 of surface area. In low occupancy areas, the surface cleanup standard is <100 $\mu\text{g}/100$ cm^2 of surface area. Select sampling locations in accordance with subpart P of this part or a sampling plan approved under paragraph (c) of this section.

(iii) *Porous surfaces.* In both high and low occupancy areas, any person disposing of porous surfaces must do so based on the levels in paragraph (a)(4)(i) of this section. Porous surfaces may be cleaned up for use in accordance with §761.79(b)(4) or §761.30(p).

(iv) *Liquids.* In both high and low occupancy areas, cleanup levels are the concentrations specified in §761.79(b)(1) and (b)(2).

(v) *Change in the land use for a cleanup site.* Where there is an actual or proposed change in use of an area cleaned up to the levels of a low occupancy area, and the exposure of people or animal life in or at that area could reasonably be expected to increase, resulting in a change in status from a low occupancy area to a high occupancy area, the owner of the area shall clean up the area in accordance with the high occupancy area cleanup levels in paragraphs (a)(4)(i) through (a)(4)(iv) of this section.

(vi) The EPA Regional Administrator, as part of his or her response to a notification submitted in accordance with §761.61(a)(3) of this part, may require cleanup of the site, or portions of it, to more stringent cleanup levels than are otherwise required in this section, based on the proximity to areas such as residential dwellings, hospitals, schools, nursing homes, playgrounds, parks, day care centers, endangered species habitats, estuaries, wetlands, national parks, national wildlife refuges, commercial fisheries, and sport fisheries.

(5) *Site cleanup.* In addition to the options set out in this paragraph, PCB disposal technologies approved under §§761.60 and 761.70 are acceptable for on-site self-implementing PCB remediation waste disposal within the confines of the operating conditions of the respective approvals.

(i) *Bulk PCB remediation waste.* Any person cleaning up bulk PCB remediation waste shall do so to the levels in paragraph (a)(4)(i) of this section.

(A) Any person cleaning up bulk PCB remediation waste on-site using a soil washing process may do so without EPA approval, subject to all of the following:

(1) A non-chlorinated solvent is used.

(2) The process occurs at ambient temperature.

(3) The process is not exothermic.

(4) The process uses no external heat.

(5) The process has secondary containment to prevent any solvent from being released to the underlying or surrounding soils or surface waters.

(6) Solvent disposal, recovery, and/or reuse is in accordance with relevant provisions of approvals issued according to paragraphs (b)(1) or (c) of this section or applicable paragraphs of §761.79.

(B) Bulk PCB remediation waste may be sent off-site for decontamination or disposal in accordance with this paragraph, provided the waste is either dewatered on-site or transported off-site in containers meeting the requirements of the DOT Hazardous Materials Regulations (HMR) at 49 CFR parts 171 through 180.

(1) Removed water shall be disposed of according to paragraph (b)(1) of this section.

(2) Any person disposing off-site of dewatered bulk PCB remediation waste shall do so as follows:

(i) Unless sampled and analyzed for disposal according to the procedures set out in §§761.283, 761.286, and 761.292, the bulk PCB remediation waste shall be assumed to contain ≥50 ppm PCBs.

(ii) Bulk PCB remediation wastes with a PCB concentration of <50 ppm shall be disposed of in accordance with paragraph (a)(5)(v)(A) of this section.

(iii) Bulk PCB remediation wastes with a PCB concentration ≥50 ppm shall be disposed of in a hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA, or a PCB disposal facility approved under this part.

(iv) The generator must provide written notice, including the quantity to be shipped and highest concentration of PCBs (using extraction EPA Method 3500B/3540C or Method 3500B/3550B followed by chemical analysis using EPA Method 8082 in SW-846 or methods validated under subpart Q of this part) at least 15 days before the first shipment of bulk PCB remediation waste from each cleanup site by the generator, to each off-site facility where the waste is destined for an area not subject to a TSCA PCB Disposal Approval.

(3) Any person may decontaminate bulk PCB remediation waste in accordance with §761.79 and return the waste to the cleanup site for disposal as long as the cleanup standards of paragraph (a)(4) of this section are met.

(ii) *Non-porous surfaces.* PCB remediation waste non-porous surfaces shall be cleaned on-site or off-site for disposal on-site, disposal off-site, or use, as follows:

(A) For on-site disposal, non-porous surfaces shall be cleaned on-site or off-site to the levels in paragraph (a)(4)(ii) of this section using:

(1) Procedures approved under §761.79.

(2) Technologies approved under §761.60(e).

(3) Procedures or technologies approved under paragraph (c) of this section.

(B) For off-site disposal, non-porous surfaces:

(1) Having surface concentrations <100 µg/100 cm² shall be disposed of in accordance with paragraph (a)(5)(i)(B)(2)(ii) of this section. Metal surfaces may be thermally decontaminated in accordance with §761.79(c)(6)(i).

(2) Having surface concentrations ≥100 µg/100 cm² shall be disposed of in accordance with paragraph (a)(5)(i)(B)(2)(iii) of this section. Metal surfaces may be thermally decontaminated in accordance with §761.79(c)(6)(ii).

(C) For use, non-porous surfaces shall be decontaminated on-site or off-site to the standards specified in §761.79(b)(3) or in accordance with §761.79(c).

(iii) *Porous surfaces.* Porous surfaces shall be disposed on-site or off-site as bulk PCB remediation waste according to paragraph (a)(5)(i) of this section or decontaminated for use according to §761.79(b)(4), as applicable.

(iv) *Liquids.* Any person disposing of liquid PCB remediation waste shall either:

(A) Decontaminate the waste to the levels specified in §761.79(b)(1) or (b)(2).

(B) Dispose of the waste in accordance with paragraph (b) of this section or an approval issued under paragraph (c) of this section.

(v) *Cleanup wastes.* Any person generating the following wastes during and from the cleanup of PCB remediation waste shall dispose of or reuse them using one of the following methods:

(A) Non-liquid cleaning materials and personal protective equipment waste at any concentration, including non-porous surfaces and other non-liquid materials such as rags, gloves, booties, other disposable personal protective equipment, and similar materials resulting from cleanup activities shall be either decontaminated in accordance with §761.79(b) or (c), or disposed of in one of the following facilities, without regard to the requirements of subparts J and K of this part:

(1) A facility permitted, licensed, or registered by a State to manage municipal solid waste subject to part 258 of this chapter.

(2) A facility permitted, licensed, or registered by a State to manage non-municipal non-hazardous waste subject to §§257.5 through 257.30 of this chapter, as applicable.

(3) A hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA.

(4) A PCB disposal facility approved under this part.

(B) Cleaning solvents, abrasives, and equipment may be reused after decontamination in accordance with §761.79.

(6) *Cleanup verification*—(i) *Sampling and analysis.* Any person collecting and analyzing samples to verify the cleanup and on-site disposal of bulk PCB remediation wastes and porous surfaces must do so in accordance with subpart O of this part. Any person collecting and analyzing samples from non-porous surfaces must do so in accordance with subpart P of this part. Any person collecting and analyzing samples from liquids must do so in accordance with §761.269. Any person conducting interim sampling during PCB remediation waste cleanup to determine when to sample to verify that cleanup is complete, may use PCB field screening tests.

(ii) *Verification.* (A) Where sample analysis results in a measurement of PCBs less than or equal to the levels specified in paragraph (a)(4) of this section, self-implementing cleanup is complete.

(B) Where sample analysis results in a measurement of PCBs greater than the levels specified in paragraph (a)(4) of this section, self-implementing cleanup of the sampled PCB remediation waste is not complete. The owner or operator of the site must either dispose of the sampled PCB remediation waste, or reclean the waste represented by the sample and reinitiate sampling and analysis in accordance with paragraph (a)(6)(i) of this section.

(7) *Cap requirements.* A cap means, when referring to on-site cleanup and disposal of PCB remediation waste, a uniform placement of concrete, asphalt, or similar material of minimum thickness spread over the area where remediation waste was removed or left in place in order to prevent or minimize human exposure, infiltration of water, and erosion. Any person designing and constructing a cap must do so in accordance with §264.310(a) of this chapter, and ensure that it complies with the permeability, sieve, liquid limit, and plasticity index parameters in §761.75(b)(1)(ii) through (b)(1)(v). A cap of compacted soil shall have a minimum thickness of 25 cm (10 inches). A concrete or asphalt cap shall have a minimum thickness of 15 cm (6 inches). A cap must be of sufficient strength to maintain its

effectiveness and integrity during the use of the cap surface which is exposed to the environment. A cap shall not be contaminated at a level ≥ 1 ppm PCB per Aroclor™ (or equivalent) or per congener. Repairs shall begin within 72 hours of discovery for any breaches which would impair the integrity of the cap.

(8) *Deed restrictions for caps, fences and low occupancy areas.* When a cleanup activity conducted under this section includes the use of a fence or a cap, the owner of the site must maintain the fence or cap, in perpetuity. In addition, whenever a cap, or the procedures and requirements for a low occupancy area, is used, the owner of the site must meet the following conditions:

(i) Within 60 days of completion of a cleanup activity under this section, the owner of the property shall:

(A) Record, in accordance with State law, a notation on the deed to the property, or on some other instrument which is normally examined during a title search, that will in perpetuity notify any potential purchaser of the property:

(1) That the land has been used for PCB remediation waste disposal and is restricted to use as a low occupancy area as defined in §761.3.

(2) Of the existence of the fence or cap and the requirement to maintain the fence or cap.

(3) The applicable cleanup levels left at the site, inside the fence, and/or under the cap.

(B) Submit a certification, signed by the owner, that he/she has recorded the notation specified in paragraph (a)(8)(i)(A) of this section to the EPA Regional Administrator.

(ii) The owner of a site being cleaned up under this section may remove a fence or cap after conducting additional cleanup activities and achieving cleanup levels, specified in paragraph (a)(4) of this section, which do not require a cap or fence. The owner may remove the notice on the deed no earlier than 30 days after achieving the cleanup levels specified in this section which do not require a fence or cap.

(9) *Recordkeeping.* For paragraphs (a)(3), (a)(4), and (a)(5) of this section, recordkeeping is required in accordance with §761.125(c)(5).

(b) *Performance-based disposal.* (1) Any person disposing of liquid PCB remediation waste shall do so according to §761.60(a) or (e), or decontaminate it in accordance with §761.79.

(2) Any person disposing of non-liquid PCB remediation waste shall do so by one of the following methods:

(i) Dispose of it in a high temperature incinerator approved under §761.70(b), an alternate disposal method approved under §761.60(e), a chemical waste landfill approved under §761.75, or in a facility with a coordinated approval issued under §761.77.

(ii) Decontaminate it in accordance with §761.79.

(3) Any person may manage or dispose of material containing < 50 ppm PCBs that has been dredged or excavated from waters of the United States:

(i) In accordance with a permit that has been issued under section 404 of the Clean Water Act, or the equivalent of such a permit as provided for in regulations of the U.S. Army Corps of Engineers at 33 CFR part 320.

(ii) In accordance with a permit issued by the U.S. Army Corps of Engineers under section 103 of the Marine Protection, Research, and Sanctuaries Act, or the equivalent of such a permit as provided for in regulations of the U.S. Army Corps of Engineers at 33 CFR part 320.

(c) *Risk-based disposal approval.* (1) Any person wishing to sample, cleanup, or dispose of PCB remediation waste in a manner other than prescribed in paragraphs (a) or (b) of this section, or store PCB remediation waste in a manner other than prescribed in §761.65, must apply in writing to the Regional Administrator in the Region where the sampling, cleanup, disposal, or storage site is located, for sampling, cleanup, disposal, or storage occurring in a single EPA Region; or to the Director, Office of Resource Conservation and Recovery, for sampling, cleanup, disposal, or storage occurring in more than one EPA Region. Each application must include information described in the notification required by paragraph (a)(3) of this section. EPA may request other information that it believes necessary to evaluate the application. No person may conduct cleanup activities under this paragraph prior to obtaining written approval by EPA.

(2) EPA will issue a written decision on each application for a risk-based method for PCB remediation wastes. EPA will approve such an application if it finds that the method will not pose an unreasonable risk of injury to health or the environment.

[63 FR 35448, June 29, 1998, as amended at 64 FR 33761, June 24, 1999; 72 FR 57239, Oct. 9, 2007; 74 FR 30232, June 25, 2009]

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§761.62 Disposal of PCB bulk product waste.

PCB bulk product waste shall be disposed of in accordance with paragraph (a), (b), or (c) of this section. Under some of these provisions, it may not be necessary to determine the PCB concentration or leaching characteristics of the PCB bulk product waste. When it is necessary to analyze the waste to make either of these determinations, use the applicable procedures in subpart R of this part to sample the waste for analysis, unless EPA approves another sampling plan under paragraph (c) of this section.

(a) *Performance-based disposal.* Any person disposing of PCB bulk product waste may do so as follows:

(1) In an incinerator approved under §761.70.

(2) In a chemical waste landfill approved under §761.75.

(3) In a hazardous waste landfill permitted by EPA under section 3004 of RCRA, or by a State authorized under section 3006 of RCRA.

(4) Under an alternate disposal approval under §761.60(e).

(5) In accordance with the decontamination provisions of §761.79.

(6) For metal surfaces in contact with PCBs, in accordance with the thermal decontamination provisions of §761.79(c)(6).

(7) In accordance with a TSCA PCB Coordinated Approval issued under §761.77.

(b) *Disposal in solid waste landfills.* (1) Any person may dispose of the following PCB bulk product waste in a facility permitted, licensed, or registered by a State as a municipal or non-municipal non-hazardous waste landfill:

(i) Plastics (such as plastic insulation from wire or cable; radio, television and computer casings; vehicle parts; or furniture laminates); preformed or molded rubber parts and components; applied dried paints, varnishes, waxes or other similar coatings or sealants; caulking; Galbestos; non-liquid building demolition debris; or non-liquid PCB bulk product waste from the shredding of automobiles or household appliances from which PCB small capacitors have been removed (shredder fluff).

(ii) Other PCB bulk product waste, sampled in accordance with the protocols set out in subpart R of this part, that leaches PCBs at $<10\text{ }\mu\text{g/L}$ of water measured using a procedure used to simulate leachate generation.

(2) Any person may dispose of PCB bulk product waste other than those materials meeting the conditions of paragraph (b)(1) of this section, (e.g., paper or felt gaskets contaminated by liquid PCBs in a facility that is permitted, licensed, or registered by a State to manage municipal solid waste subject to part 258 of this chapter or non-municipal non-hazardous waste subject to §§257.5 through 257.30 of this chapter, as applicable, if:

(i) The PCB bulk product waste is segregated from organic liquids disposed of in the landfill unit.

(ii) Leachate is collected from the landfill unit and monitored for PCBs.

(3) Any release of PCBs (including but not limited to leachate) from the landfill unit shall be cleaned up in accordance with §761.61.

(4)(i) Any person disposing off-site of PCB bulk product waste regulated under paragraph (b)(1) of this section at a waste management facility not having a commercial PCB storage or disposal approval must provide written notice to the facility a minimum of 15 days in advance of the first shipment from the same disposal waste stream. The notice shall state that the PCB bulk product waste may include components containing PCBs at $\geq 50\text{ ppm}$ based on analysis of the waste in the shipment or application of a general knowledge of the waste stream (or similar material) which is known to contain PCBs at those levels, and that the PCB bulk product waste is known or presumed to leach $<10\text{ }\mu\text{g/L}$ PCBs.

(ii) Any person disposing off-site of PCB bulk product waste regulated under paragraph (b)(2) of this section at a waste management facility not having a commercial PCB storage or disposal approval must provide written notice to the facility a minimum of 15 days in advance of the first shipment from the same disposal waste stream and with each shipment thereafter. The notice shall state that the PCB bulk product waste may include components containing PCBs at $\geq 50\text{ ppm}$ based on analysis of the waste in the shipment or application of a general knowledge of the waste stream (or similar material) which is known to contain PCBs at those levels, and that the PCB bulk product waste is known or presumed to leach $\geq 10\text{ }\mu\text{g/L}$ PCBs.

(5) Any person disposing of PCB bulk product waste must maintain a written record of all sampling and analysis of PCBs or notifications made under this paragraph for 3 years from the date of the waste's generation. The records must be made available to EPA upon request.

(6) Requirements in subparts C, J, and K of this part do not apply to waste disposed of under paragraph (b) of this section.

(c) *Risk-based disposal approval.* (1) Any person wishing to sample or dispose of PCB bulk product waste in a manner other than prescribed in paragraphs (a) or (b) of this section, or store PCB bulk

product waste in a manner other than prescribed in §761.65, must apply in writing to the Regional Administrator in the Region where the sampling, disposal, or storage site is located, for sampling, disposal, or storage occurring in a single EPA Region; or to the Director, Office of Resource Conservation and Recovery, for sampling, disposal, or storage occurring in more than one EPA Region. Each application must contain information indicating that, based on technical, environmental, or waste-specific characteristics or considerations, the proposed sampling, disposal, or storage methods or locations will not pose an unreasonable risk or injury to health or the environment. EPA may request other information that it believes necessary to evaluate the application. No person may conduct sampling, disposal, or storage activities under this paragraph prior to obtaining written approval by EPA.

(2) EPA will issue a written decision on each application for a risk-based sampling, disposal, or storage method for PCB bulk product wastes. EPA will approve such an application if it finds that the method will not pose an unreasonable risk of injury to health or the environment.

(d) *Disposal as daily landfill cover or roadbed.* Bulk product waste described in paragraph (b)(1) of this section may be disposed of:

(1) As daily landfill cover as long as the daily cover remains in the landfill and is not released or dispersed by wind or other action; or

(2) Under asphalt as part of a road bed.

[63 FR 35451, June 29, 1998, as amended at 64 FR 33761, June 24, 1999; 72 FR 57239, Oct. 9, 2007; 74 FR 30232, June 25, 2009]

§761.79 Decontamination standards and procedures.

(a) *Applicability.* This section establishes decontamination standards and procedures for removing PCBs, which are regulated for disposal, from water, organic liquids, non-porous surfaces (including scrap metal from disassembled electrical equipment), concrete, and non-porous surfaces covered with a porous surface, such as paint or coating on metal.

(1) Decontamination in accordance with this section does not require a disposal approval under subpart D of this part.

(2) Materials from which PCBs have been removed by decontamination in accordance with this section may be distributed in commerce in accordance with §761.20(c)(5).

(3) Materials from which PCBs have been removed by decontamination in accordance with this section may be used or reused in accordance with §761.30(u).

(4) Materials from which PCBs have been removed by decontamination in accordance with this section, not including decontamination waste and residuals under paragraph (g) of this section, are unregulated for disposal under subpart D of this part.

(5) Any person decontaminating porous surfaces other than concrete under paragraph (b)(4) of this section and non-porous surfaces covered with a porous surface, such as paint or coating on metal, under paragraph (b)(3) or (c)(6) of this section must obtain an alternative decontamination approval in accordance with paragraph (h) of this section.

(6) Any person engaging in decontamination under this section is responsible for determining and complying with all other applicable Federal, State, and local laws and regulations.

(b) *Decontamination standards.* Chopping (including wire chopping), distilling, filtering, oil/water separation, spraying, soaking, wiping, stripping of insulation, scraping, scarification or the use of abrasives or solvents may be used to remove or separate PCBs, to the following standards, from liquids, concrete, or non-porous surfaces.

(1) The decontamination standard for water containing PCBs is:

(i) Less than 200 µg/L (i.e., <200 ppb PCBs) for non-contact use in a closed system where there are no releases;

(ii) For water discharged to a treatment works (as defined in §503.9(aa) of this chapter) or to navigable waters, <3 µg/L (approximately <3 ppb) or a PCB discharge limit included in a permit issued under section 307(b) or 402 of the Clean Water Act; or

(iii) Less than or equal to 0.5 µg/L (i.e., approximately ≤0.5 ppb PCBs) for unrestricted use.

(2) The decontamination standard for organic liquids and non-aqueous inorganic liquids containing PCBs is <2 milligrams per kilogram (i.e., <2 ppm PCBs).

(3) The decontamination standard for non-porous surfaces in contact with liquid and non-liquid PCBs is:

(i) For unrestricted use:

(A) For non-porous surfaces previously in contact with liquid PCBs at any concentration, where no free-flowing liquids are currently present, ≤10 micrograms PCBs per 100 square centimeters (≤10 µg/100 cm²) as measured by a standard wipe test (§761.123) at locations selected in accordance with subpart P of this part.

(B) For non-porous surfaces in contact with non-liquid PCBs (including non-porous surfaces covered with a porous surface, such as paint or coating on metal), cleaning to Visual Standard No. 2, Near-White Blast Cleaned Surface Finish, of the National Association of Corrosion Engineers (NACE). A person shall verify compliance with standard No. 2 by visually inspecting all cleaned areas.

(ii) For disposal in a smelter operating in accordance with §761.72(b):

(A) For non-porous surfaces previously in contact with liquid PCBs at any concentration, where no free-flowing liquids are currently present, <100 µg/100 cm² as measured by a standard wipe test (§761.123) at locations selected in accordance with subpart P of this part.

(B) For non-porous surfaces in contact with non-liquid PCBs (including non-porous surfaces covered with a porous surface, such as paint or coating on metal), cleaning to Visual Standard No. 3, Commercial Blast Cleaned Surface Finish, of the National Association of Corrosion Engineers (NACE). A person shall verify compliance with standard No. 3 by visually inspecting all cleaned areas.

(4) The decontamination standard for concrete is ≤10 µg/100 cm² as measured by a standard wipe test (§761.123) if the decontamination procedure is commenced within 72 hours of the initial spill of PCBs to the concrete or portion thereof being decontaminated.

(c) *Self-implementing decontamination procedures.* The following self-implementing decontamination procedures are available as an alternative to the measurement-based decontamination methods specified in paragraph (b) of this section. Any person performing self-implementing decontamination must comply with one of the following procedures.

(1) Any person decontaminating a PCB Container must do so by flushing the internal surfaces of the container three times with a solvent containing <50 ppm PCBs. Each rinse shall use a volume of the flushing solvent equal to approximately 10 percent of the PCB Container capacity.

(2) Any person decontaminating movable equipment contaminated by PCBs, tools, and sampling equipment may do so by:

- (i) Swabbing surfaces that have contacted PCBs with a solvent;
- (ii) A double wash/rinse as defined in subpart S of this part; or
- (iii) Another applicable decontamination procedure in this section.

(3) Any person decontaminating a non-porous surface in contact with free-flowing mineral oil dielectric fluid (MODEF) at levels $\leq 10,000$ ppm PCBs must do so as follows:

- (i) Drain the free-flowing MODEF and allow the residual surfaces to drain for an additional 15 hours.
- (ii) Dispose of drained MODEF according to paragraph (g) of this section.
- (iii) Soak the surfaces to be decontaminated in a sufficient amount of clean (containing <2 ppm PCBs) performance-based organic decontamination fluid (PODF) such that there is a minimum of 800 ml of PODF for each 100 cm² of contaminated or potentially contaminated surface for at least 15 hours at ≥ 20 °C.

(iv) Approved PODFs include:

- (A) Kerosene.
- (B) Diesel fuel.
- (C) Terpene hydrocarbons.
- (D) Mixtures of terpene hydrocarbons and terpene alcohols.
- (v) Drain the PODF from the surfaces.
- (vi) Dispose of the drained PODF in accordance with paragraph (g) of this section.

(4) Any person decontaminating a non-porous surface in contact with free-flowing MODEF containing >10,000 ppm PCB in MODEF or askarel PCB (up to 70 percent PCB in a mixture of trichlorobenzenes and tetrachlorobenzenes) must do so as follows:

- (i) Drain the free-flowing MODEF or askarel and allow the residual surfaces to drain for an additional 15 hours.
- (ii) Dispose of drained MODEF or askarel according to paragraph (g) of this section.
- (iii) Soak the surfaces to be decontaminated in a sufficient amount of clean PODF (containing <2 ppm PCBs) such that there is a minimum of 800 ml of PODF for each 100 cm² of contaminated or potentially contaminated surface for at least 15 hours at ≥ 20 °C.

(iv) Approved PODFs include:

(A) Kerosene.

(B) Diesel fuel.

(C) Terpene hydrocarbons.

(D) Mixtures of terpene hydrocarbons and terpene alcohols.

(v) Drain the PODF from the surfaces.

(vi) Dispose of the drained PODF in accordance with paragraph (g) of this section.

(vii) Resoak the surfaces to be decontaminated, pursuant to paragraph (c)(3)(iii) of this section, in a sufficient amount of clean PODF (containing <2 ppm PCBs) such that there is a minimum of 800 ml of PODF for each 100 cm² of surface for at least 15 hours at ≥20 °C.

(viii) Drain the PODF from the surfaces.

(ix) Dispose of the drained PODF in accordance with paragraph (g) of this section.

(5) Any person decontaminating piping and air lines in an air compressor system must do so as follows:

(i) Before decontamination proceeds, disconnect or bypass the air compressors and air dryers from the piping and air lines and decontaminate the air compressors and air dryers separately in accordance with paragraphs (b), (c)(1) through (c)(4), or (c)(6) of this section. Dispose of filter media and desiccant in the air dryers based on their existing PCB concentration.

(ii) Test the connecting line and appurtenances of the system to assure that there is no leakage. Test by introducing air into the closed system at from 90 to 100 pounds per square inch (psi). Only if there is a pressure drop of <5 psi in 30 minutes may decontamination take place.

(iii) When there is no leakage, fill the piping and air lines with clean (containing <2 ppm PCBs) solvent. Solvents include PODF, aqueous potassium hydroxide at a pH between 9 and 12, or water containing 5 percent sodium hydroxide by weight.

(iv) Circulate the solvent to achieve turbulent flow through the piping and air lines in the air compressor system until the total volume of solvent circulated equals 10 times the total volume of the particular article being decontaminated, then drain the solvent. Calculate the total volume of solvent circulated by multiplying the pump rate by the time of pumping. Turbulent flow means a Reynolds number range from 20,000 to 43,000. Refill the system with clean solvent and repeat the circulation and drain process.

(6) Any person using thermal processes to decontaminate metal surfaces in contact with PCBs, as required by §761.62(a)(6), must use one of the following options:

(i) Surfaces in contact with liquid and non-liquid PCBs at concentrations <500 ppm may be decontaminated in a scrap metal recovery oven or smelter for purposes of disposal in accordance with §761.72.

(ii) Surfaces in contact with liquid or non-liquid PCBs at concentrations ≥ 500 ppm may be smelted in a smelter operating in accordance with §761.72(b), but must first be decontaminated in accordance with §761.72(a) or to a surface concentration of $<100 \mu\text{g}/100 \text{ cm}^2$.

(d) *Decontamination solvents.* (1) Unless otherwise provided in paragraphs (c)(3) through (c)(5) of this section, the solubility of PCBs in any solvent used for purposes of decontamination under this section must be 5 percent or more by weight.

(2) The solvent may be reused for decontamination so long as its PCB concentration is <50 ppm.

(3) Solvent shall be disposed of under paragraph (g) of this section.

(4) Other than as allowed in paragraphs (c)(3) and (c)(4) of this section, solvents may be tested and validated for performance-based decontamination of non-porous surfaces contaminated with MODEP or other PCB liquids, in accordance with the self-implementing procedures found in subpart T of this part. Specific conditions for the performance-based testing from this validation are determined in the validation study.

(e) *Limitation of exposure and control of releases.* (1) Any person conducting decontamination activities under this section shall take necessary measures to protect against direct release of PCBs to the environment from the decontamination area.

(2) Persons participating in decontamination activities shall wear or use protective clothing or equipment to protect against dermal contact or inhalation of PCBs or materials containing PCBs.

(f) *Sampling and recordkeeping.* (1) Confirmatory sampling is required under paragraph (b) of this section. For liquids described in paragraphs (b)(1) and (b)(2) of this section, sample in accordance with §§761.269 and 761.272. For non-porous surfaces and concrete described in paragraphs (b)(3) and (b)(4) of this section, sample in accordance with subpart P of this part. A written record of such sampling must be established and maintained for 3 years from the date of any decontamination under this section. The record must show sampling locations and analytical results and must be retained at the site of the decontamination or a copy of the record must be made available to EPA in a timely manner, if requested. In addition, recordkeeping is required in accordance with §761.180(a) for all wastes generated by a decontamination process and regulated for disposal under this subpart.

(2) Confirmatory sampling is not required for self-implementing decontamination procedures under paragraph (c) of this section. Any person using these procedures must retain a written record documenting compliance with the procedures for 3 years after completion of the decontamination procedures (e.g., video recordings, photographs).

(g) *Decontamination waste and residues.* Decontamination waste and residues shall be disposed of at their existing PCB concentration unless otherwise specified.

(1) Distillation bottoms or residues and filter media are regulated for disposal as PCB remediation waste.

(2) PCBs physically separated from regulated waste during decontamination (such as by chopping, shredding, scraping, abrading or oil/water separation, as opposed to solvent rinsing and soaking), other than wastes described in paragraph (g)(1) of this section, are regulated for disposal at their original concentration.

(3) Hydrocarbon solvent used or reused for decontamination under this section that contains <50 ppm PCB must be burned and marketed in accordance with the requirements for used oil in §761.20(e), disposed of in accordance with §761.60(a) or (e), or decontaminated pursuant to this section.

(4) Chlorinated solvent at any PCB concentration used for decontamination under this section shall be disposed of in an incinerator operating in compliance with §761.70, or decontaminated pursuant to this section.

(5) Solvents ≥50 ppm other than those described in paragraphs (g)(3) and (g)(4) of this section shall be disposed of in accordance with §761.60(a) or decontaminated pursuant to this section.

(6) Non-liquid cleaning materials and personal protective equipment waste at any concentration, including non-porous surfaces and other non-liquid materials such as rags, gloves, booties, other disposable personal protective equipment, and similar materials resulting from decontamination shall be disposed of in accordance with §761.61(a)(5)(v).

(h) *Alternative decontamination or sampling approval.* (1) Any person wishing to decontaminate material described in paragraph (a) of this section in a manner other than prescribed in paragraph (b) of this section must apply in writing to the Regional Administrator in the Region where the activity would take place, for decontamination activity occurring in a single EPA Region; or to the Director, Office of Resource Conservation and Recovery, for decontamination activity occurring in more than one EPA Region. Each application must describe the material to be decontaminated and the proposed decontamination method, and must demonstrate that the proposed method is capable of decontaminating the material to the applicable level set out in paragraphs (b)(1) through (b)(4) of this section.

(2) Any person wishing to decontaminate material described in paragraph (a) of this section using a self-implementing procedure other than prescribed in paragraph (c) of this section must apply in writing to the Regional Administrator in the Region where the activity would take place, for decontamination activity occurring in a single EPA Region; or to the Director, Office of Resource Conservation and Recovery, for decontamination activity occurring in more than one EPA Region. Each application must describe the material to be decontaminated and the proposed self-implementing decontamination method and must include a proposed validation study to confirm performance of the method.

(3) Any person wishing to sample decontaminated material in a manner other than prescribed in paragraph (f) of this section must apply in writing to the Regional Administrator in the Region where the activity would take place, for decontamination activity occurring in a single EPA Region; or to the Director, Office of Resource Conservation and Recovery, for decontamination activity occurring in more than one EPA Region. Each application must contain a description of the material to be decontaminated, the nature and PCB concentration of the contaminating material (if known), the decontamination method, the proposed sampling procedure, and a justification for how the proposed sampling is equivalent to or more comprehensive than the sampling procedure required under paragraph (f) of this section.

(4) EPA may request additional information that it believes necessary to evaluate the application.

(5) EPA will issue a written decision on each application for risk-based decontamination or sampling. No person may conduct decontamination or sampling under this paragraph prior to obtaining written approval from EPA. EPA will approve an application if it finds that the proposed decontamination or sampling method will not pose an unreasonable risk of injury to health or the environment.

APPENDIX F

Conceptual Cost Estimate for Contingency Excavation and Offsite Disposal IRM

**Appendix F - Conceptual Cost Estimate for Contingency Excavation and Offsite Disposal IRM
Building #8 Former AFP-51 Greece, NY**

CONCEPTUAL COST ESTIMATE SUMMARY

Excavation and Offsite Disposal

Site:	Former Air Force Plant, Building #8 (OU2)	Description:	Remove and contain water from floor and transformer trenches, remove transformers, battery rack and other miscellaneous equipment, transport and dispose off-site, demolish superstructure and dispose as PCB bulk waste, decontaminate slab and cap. Excavation and offsite disposal of building slab and impacted underlying soil is included as a contingency measure, which also includes post-excavation sampling, backfill and restoration.
Location:	Greece, New York		
Phase:	IRM - Building #8		
Base Year:	2018		
Date:	February 28, 2019		

Item No.	Description	Quantity	Unit	Unit Cost	Total	Notes
Estimated Costs:						
1	Site Survey					
1.1	Topographic Survey / GIS flagging of boundaries	1	LS	\$ 5,000	\$ 5,000	
1.2	ACM and Lead-Based Paint survey ¹	1	LS	\$ 5,000	\$ 5,000	Reporting and survey only. Potential abatement costs are not included as quantities are unknown.
	Sub-Total				\$ 10,000	
2	Site Mobilization/Demobilization					
2.1	Coordination/Permitting (by Contractor)	1	LS	\$ 15,000	\$ 15,000	
2.2	Decontamination Station	1	LS	\$ 5,000	\$ 5,000	Portable decontamination pad/truck tire wash
	Sub-Total				\$ 20,000	
3	Health and Safety					
3.1	Perimeter Air Monitoring	2	Week	\$ 1,200	\$ 2,400	Tripod station with Dust and PID monitors
3.2	H&S Monitoring	2	Week	\$ 2,500	\$ 5,000	Meters for monitoring work zone, 2 stations
3.3	PPE and Field Supplies	1	LS	\$ 10,000	\$ 10,000	Includes general and protective gear for PCBs, suspect ACM, and LBP
	Sub-Total				\$ 17,400	
4	Site Preparation					
4.1	Stabilized construction entrance to work area	1	LS	\$ 3,000	\$ 3,000	
4.2	Site Clearing	1	Day	\$ 5,500	\$ 5,500	
4.3	Temporary Security Fence	130	LF	\$ 25	\$ 3,250	
4.4	Place and Maintain E&S Controls	1	LS	\$ 5,000	\$ 5,000	
4.5	Concrete and Waste Staging Areas	1	LS	\$ 8,000	\$ 8,000	
	Sub-Total				\$ 24,750	



**Appendix F - Conceptual Cost Estimate for Contingency Excavation and Offsite Disposal IRM
Building #8 Former AFP-51 Greece, NY**

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Excavation and Offsite Disposal

Site:	Former Air Force Plant, Building #8 (OU2)	Description:	Remove and contain water from floor and transformer trenches, remove transformers, battery rack and other miscellaneous equipment, transport and dispose off-site, demolish superstructure and dispose as PCB bulk waste, decontaminate slab and cap. Excavation and offsite disposal of building slab and impacted underlying soil is included as a contingency measure, which also includes post-excavation sampling, backfill and restoration.
Location:	Greece, New York		
Phase:	IRM - Building #8		
Base Year:	2018		
Date:	February 28, 2019		

Item No.	Description	Quantity	Unit	Unit Cost	Total	Notes
5	Excavation, Off-site Disposal and Restoration					
5.1	Mob/Demob of Construction Equipment	1	LS	\$ 10,000	\$ 10,000	RS Means 2013 \$5k for demo, cost includes remedial safety measures for lead based paint and ACM prior to and during demolition
5.2	Building demolition	1	LS	\$ 15,000	\$ 15,000	Typical Daily Rate for Equipment and Field Crew, slab thickness varies from 12 to 18 inches; conduits will be capped at Bldg 1 slab
5.3	Excavation/removal of soil, building slab, trenches, and conduits	5	Day	\$ 6,500	\$ 32,500	Decontamination
5.4	Water Supply / Pressure washer	2,000	Gallons	\$ 0.50	\$ 1,000	Assume loading of 15 cy roll off containers for solid waste and soils and 55-gallon drum for liquid disposal
5.5	Load out prep	5	EA	\$ 1,500	\$ 7,500	Includes collection and analysis for waste characterization parameters
5.6	Waste classification sampling for solid waste including C&D debris	6	EA	\$ 750	\$ 4,500	Assumes composite samples and includes collection and analysis for PCBs only
5.7	PCB sampling for solid waste including C&D debris	2	EA	\$ 100	\$ 200	
5.8	Waste classification sampling for liquid disposal	1	EA	\$ 500	\$ 500	Includes analyticals and collection.
5.9	Removal, Transportation & Disposal (non-haz aqueous) from water-filled transformer trench	1	Drum	\$ 150	\$ 150	Assumed disposal of liquid in 55-gallon drum
5.10	Waste classification, Transportation & Disposal (soil)	30	Ton	\$ 100	\$ 3,000	Excavation assumed to be performed beneath transformer pad areas and excavation depth assumed to be 2 feet. Includes 30% contingency on soil excavation quantities. Soil disposal as non-hazardous material at Class D site. Includes Waste Classification sampling.
5.11	Transportation & Disposal (C&D debris)	203	Ton	\$ 95	\$ 19,264	Disposal of uncontaminated materials including concrete and other masonry materials from building demo, floor trenches and other sub-structures, non-ACM roof coverings, glass, electrical wirings and components, pipe and metals, plastics, fluorescent lights, and ceramic insulators.
5.12	Transportation & Disposal (haz waste)	8	CY	\$ 350	\$ 2,674	Disposal of suspect ACM from roof, LBP material in 15 cy lined roll off containers
5.13	Transportation & Disposal (equipment)	1	LS	\$ 5,000	\$ 5,000	Disposal of former transformers, battery rack, other misc equipment
5.14	Backfill	350	Ton	\$ 28	\$ 9,790	Importing certified clean fill
5.15	Compaction /Grading/Surface restoration	2,100	SF	\$ 3.50	\$ 7,350	12" lifts, mechanical compaction and grading
5.16	Backfill Source Sampling	1	EA	\$ 1,020	\$ 1,020	PCBs/Pesticides, VOCs, SVOCs, metals PFAS analysis, every 1,000 cy
5.17	Post Excavation Sampling	8	EA	\$ 1,150	\$ 9,200	End point sampling per DER-10; includes labor and analytical
5.18	Decon Water Storage, Characterization and Disposal	1	LS	\$ 15,000	\$ 15,000	
5.19	Post-excavation Surveying	1	LS	\$ 4,000	\$ 4,000	
	Sub-Total				\$ 147,648	



**Appendix F - Conceptual Cost Estimate for Contingency Excavation and Offsite Disposal IRM
Building #8 Former AFP-51 Greece, NY**

CONCEPTUAL COST ESTIMATE SUMMARY

Excavation and Offsite Disposal

Site:	Former Air Force Plant, Building #8 (OU2)	Description:	Remove and contain water from floor and transformer trenches, remove transformers, battery rack and other miscellaneous equipment, transport and dispose off-site, demolish superstructure and dispose as PCB bulk waste, decontaminate slab and cap. Excavation and offsite disposal of building slab and impacted underlying soil is included as a contingency measure, which also includes post-excavation sampling, backfill and restoration.
Location:	Greece, New York		
Phase:	IRM - Building #8		
Base Year:	2018		
Date:	February 28, 2019		

Item No.	Description	Quantity	Unit	Unit Cost	Total	Notes
6	Reporting					
6.1	Final Engineer's Report	1	LS	\$ 25,000	\$ 25,000	
6.2	Coordination and Filing with USEPA Region 2 TSCA	1	LS	\$ 15,000	\$ 15,000	
	Sub-Total				\$ 40,000	
	Sub-Total - Estimated Costs				\$ 259,798	Sub-Total All Construction Costs.
	Contingency	20%			\$ 51,960	10% scope + 10% bid
	Sub-Total				\$ 311,757	
	Project Management	2%			\$ 6,235	
	Construction Management / Inspections	4%			\$ 12,470	
	Total Estimated Construction Costs:				\$330,460	

1 - ACM and LBP abatement estimated costs are not included as potential quantities are not known.



APPENDIX B

HDR PCB, Asbestos Containing Materials and
Lead Based Paint Survey Sampling Plans

**PCB SAMPLING PLAN
FORMER AIR FORCE PLANT 51 – BUILDING #8
(NYSDEC Site Number 828156)**

**PREPARED FOR
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BUREAU OF ENVIRONMENTAL REMEDIATION
625 BROADWAY
ALBANY, NEW YORK 12233**

**Prepared by
Henningson, Durham & Richardson Architecture and Engineering, P.C.
in association with HDR Engineering, Inc.**

1 International Boulevard
Mahwah, NJ 07495

Date: April 22, 2020

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1.0 INTRODUCTION

This sampling plan has been prepared by Henningson, Durham & Richardson Architecture and Engineering, P.C., in association with HDR Engineering, Inc. (HDR) on behalf of the New York State Department of Environmental Conservation (NYSDEC) to further assess PCB impacts at Building #8 at the Former Air Force Plant 51 (AFP51) site in Greece, New York. This sampling plan considers the U.S. Environmental Protection Agency (EPA) guidance for sampling per 40 CFR Part 761.61(a)(3) in its sampling approach. Implementation of this plan will provide information needed to implement the proposed demolition of Building #8 to the existing slab grade. As such, this plan focuses on the existing Building #8 structure and building materials, along with the floor slab surface. Pending sampling results, the building slab may remain in place or be removed with potential excavation and off-site disposal of sub-slab soils in the future. As described herein, HDR will fully inventory the status and condition of building materials during the proposed sampling event and identify needs for lead-based paint (LBP) and asbestos-containing materials (ACM) surveys of the building that are anticipated to also be required for demolition planning purposes.

As part of NYSDEC Contract D007625, Work Assignment #8, NYSDEC has authorized HDR to prepare and implement this sampling plan to further assess PCB impacts associated with Building #8. Remediation (demolition) support is scoped under Work Assignment #24 (pre-demolition LBP and ACM survey work may also be conducted under Work Assignment #24). Building #8 is part of Operable Unit 2 (OU2), at AFP51 (Figure 1). In 2009, the NYSDEC listed the AFP51 site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. A Class 2 site is a site where hazardous waste presents a significant threat to the public health or the environment and action is required.

2.0 SITE BACKGROUND AND HISTORY

2.1 Site Location and Description

The AFP51 site consists of an approximately 33.6-acre property (addressed as 4777 Dewey Avenue) located in the Town of Greece, New York. It is situated within the tax parcel identified as Block Section 046.01 Block 1 Lot 2.112 on the Monroe County Real Property Portal. Surrounding land use consists of commercial and residential use to the east, undeveloped wooded upland areas to the south, and wooded upland areas leading to wetlands and Round Pond Creek to the west. The Monroe County Water Authority (MCWA) Shoremont Water Treatment Plant is located immediately north of the site and includes remnants of a man-made channel that formerly connected the site to Round Pond and Lake Ontario.

The AFP51 site is currently unoccupied and inactive but remains zoned as light industrial. It includes several large and mid-sized buildings and slabs surrounded by paved areas, roadways, and open fields. Access to portions of the site is controlled by a wire gate. Figure 2 shows an aerial image of the site, with property boundaries, current and demolished buildings and slabs, and other reference features.

Building #8 is located along the western edge of the slab of former Building #1, within the OU2 portion of the site. Building #8 was likely constructed at the same time as Building #1, as it served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switchgear for the Rochester Gas & Electric Co. electric feeder, a 600 KVA oil filled transformer bank housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. Transformers remain on a concrete pad located on the west side of the building. These systems have been decommissioned and are no longer in use.

The general dimensions of Building #8 are approximately 48 feet by 25 feet and cover an approximate area of 1,200 square feet. It is a single story building that contains a single large room with a semi-partitioned portion located along the northeastern wall. The construction materials include cinderblock walls supported by horizontal steel I-beams, a concrete slab floor, and corrugated metal roofing overlain with plywood and tar roofing materials. The semi-partitioned area is the transformer vault, measuring 19 feet by 10 feet, and is composed of cinderblocks, metallic grates, and metallic grate door. Three 200 KVA transformers with “No PCB” stickers, indicating prior PCB removal, are present within this vault (Figure 3). Miscellaneous other materials are noted to exist (e.g., window glaze and caulking; possible painted surfaces) in various conditions. Photographs of Building #8 which were taken in October 2017 are included in the 2017 Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (dated April 3, 2019).

Building #8 has two sets of windows, each measuring 9.25 feet in length and located along the northern half of the western wall. The primary entrance way is located on the southern wall and is partially boarded up with plywood. Two large ventilation hoods are located along the central ridge of the roof, with a smaller exhaust vent serving a now-decommissioned gas fired space heater located along the northern wall.

Several trenches / potential open floor drains are within the concrete floor slab as shown on Figure 3. The largest trench measured approximately two feet across, approximately two feet deep, and runs horizontally from the center portion of the eastern wall to the center of the room. It contains several utility conduits that either trend the length of the conduit or deviate into the concrete retaining wall of the trench and likely continue either as a sub-slab or internal slab conduit. This utility trench continues towards the former Building #1, and was visible during an outside examination of the eastern wall. Additional utility trenches / potential open floor drains exist alongside the southern half of the eastern wall, in front of the battery rack, and within the transformer area as shown on Figure 3. The three transformers present within the transformer cage each contain gateway valves located over the trench, with the trench itself filled with water. Several conduits not contained within utility trenches daylight alongside the western wall and southwestern corner. The terminus of a vast majority of these conduits, whether contained within a utility trench or as a stand-alone sub-slab or interior slab conduit outside Building #8 is unknown.

Based on measurements taken during HDR's screening-level sampling event in October 2017, the concrete slab has variable thickness measuring 10-inches to >18-inches. The thickness of the concrete may exceed 24 inches, based on the depths of open pipe trenches and floor drains observed within Building #8.

Several areas of Building #8 have suspect structural integrity. There is structural damage in the northeast corner of the building sustained during demolition activities of Building #1. Plywood and two-by-four wood beams in that corner provide temporary walls and structural reinforcement. Several vertical fractures in the cinderblock exist along the eastern wall and southern walls where the cinderblock connects with the steel I-beams. Lastly, the roof has several large holes, which daylight (and wildlife) easily penetrates.

In terms of non-structural features, plywood and polyethylene sheets, placed during remedial efforts under the Voluntary Cleanup Program, cover a portion of the Building #8 floor (Figure 3). Electric fuse boxes are present along the walls. A metallic battery rack is present in the northwestern corner with a notable yellow discoloration in the concrete slab beneath this rack. Assorted household debris (e.g., bottles of spray adhesive, old cardboard, tape reels), C&D debris, and fecal matter from nesting birds litter each surface of Building #8 in varying amounts.

2.2 Site History/Past Activities

The manufacturing facility was first owned and operated by the Odenbach Shipbuilding Corporation following its construction in 1942. It has since been occupied by numerous industrial/commercial facilities, including the U.S. government, the A.O. Smith Company, the American Machine and Foundry (AMF), and other private entities.

The plant was originally developed during world war (WW) II by the Odenbach Shipbuilding Corporation to build ocean-going ships. To launch the ships, a man-made, water-filled channel was dredged from the north end of the Building #1, which served as the shipyard, to Round Pond Creek. Today, the remaining portion of the channel (see Figure 2) is owned by the neighboring MCWA Shoremont Water Treatment Plant and used as a settling pond for sediments generated

from filter backwashing. No active discharges from the site to the channel are believed to occur at the current time.

After WWII, the plant was used by the U.S. Department of Defense (DoD) to produce B-52 bulkheads. At that time, the name of the facility was changed to “Air Force Plant 51”. Records indicate that the A.O. Smith Corporation and the American Machine and Foundry (AMF) Company occupied the site in the 1950s. In 1959, the facility was declared excess by the U.S. government. From 1961 to 1963, the property was owned by the MCWA. Since 1963, the facility has been owned by corporate relatives of the current owner, with space leased to a variety of businesses that have included scrap metal recycling and metal plating. Additional information on the site history is presented in the Final Technical Memorandum for Building #8 (HDR, April 2019).

In 2001, the current owner of the property entered the Voluntary Cleanup Program (VCP) to investigate and remediate chemical contamination related to the site. From 2001 to 2008, the owner completed a number of investigations and remediation activities at the site.

In January 2009, the owner ended their participation in the VCP. The site is now being addressed by DEC's Inactive Hazardous Waste Disposal Site program. DEC is currently implementing a remedial program at the site while continuing to identify and pursue parties who are potentially responsible for the contamination in order to recover remediation costs.

2.3 Site Ownership

The former AFP51 site is currently owned by 4800 Dewey Avenue Enterprises, Inc. (Mr. Louis Atkin). It is currently available for sale. The property was put up for auction in 2019, with no apparent offers.

2.4 Current and Proposed Site Uses

The site is currently unoccupied and inactive. As such, there is no proposed site use at this time. Future use of the former AFP51 site is anticipated to remain commercial/industrial, although ownership and specific site development activities might vary in the future.

2.5 Prior Investigation Activities –Building #8

Limited investigative activities were had been conducted to evaluate the presence of contaminants within and beneath Building #8. More recently, multi-media sampling was conducted by HDR to evaluate the extent of contamination for consideration of IRM options or building demolition. It is noted that the HDR October 2017 field investigation is considered as screening-level in support of building demolition; additional data collection is proposed herein and also will likely be required for waste classification and remedy implementation activities.

2.5.1 December 2001 NYSDEC Investigation

On December 3, 2001, the NYSDEC, Monroe County Health Department and Day Environmental, Inc. conducted a site tour and observed the following items inside Building #8:

- Containers of Chlorextol (containing PCBs) and other unlabeled containers of liquid
- Several transformers (with drain valves to drain liquids from the transformer)
- A bank of batteries

The NYSDEC required that all waste materials, including transformer fluids be characterized and any hazardous wastes be properly removed and disposed at a licensed hazardous waste disposal facility by March 6, 2002. Refer to Appendix B in the Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (HDR; April 3, 2019) for historical photographs Building #8, which were taken in December 2001.

According to a January 13, 2009 letter by Paul Hastings, Attorneys on behalf of 4800 Dewey Avenue, to the NYSDEC, a chemical material inventory was completed as part of the New York State Voluntary Cleanup Program (VCP), and inventoried materials were characterized, removed, and disposed off-site (including glass containers of Chlorextol/PCB transformer fluid, electrical equipment, some transformers, and batteries). Plastic sheeting and plywood was installed on the floor of Building #8, the access door was boarded up, and PCB signage was installed on the building's exterior. The waste material inventory is documented in a 2001 Day Environmental report.

2.5.2 January 2005 Day Environmental Independent Study

Based on Day's December 2004 progress report, two concrete chip samples and one wipe sample were collected within Building #8 for PCB laboratory analysis. Refer to Figure 3 for historical sampling locations. No additional details regarding sample collection methods were provided in the progress report. The laboratory analytical report indicated the following sample results for Building #8:

- CC-03: Aroclor-1260 = 660 ug/kg (or 0.66 parts per million - ppm)
- CC-04: Aroclor-1260 = 67,000 E ug/kg (dilution factor = 10) (or 67 ppm)
- WP-03: Aroclor-1260 = 13 ug/wipe (or 0.013 ppm/wipe)

Prior documents identified a historical concrete core sample was collected inside Building #8 with PCBs detected at a concentration of 88 ppm, as reported in a NYSDEC power point presentation. The location of this sample is believed to be the CC-04 sample prior to its dilution.

Day also collected concrete chip samples from a transformer pad outside Building #8, at its south side. These samples, identified as DAYCC-01 and DAYCC-02, were reported to have PCB concentrations at 40 ug/kg and 65 ug/kg, respectively. Wipe samples were also collected from transformers that were located within Building #1. Sample WP-01 was collected from a transformer on the western side of the north portion of Building #1 whereas WP-02 was collected

from a transformer on the western side of the south portion of Building #1. PCB results of the WP-01 and WP-02 samples were non-detect and 13 ug/wipe, respectively.

2.5.3 May 2008 Day Environmental Site Investigation

Based on the information provided in Day's May 30, 2008 Environmental Site Investigation Report for work performed between 2004 and 2007, no additional samples were collected from Building #8 during this interval. However, on December 2, 2004, Day collected a sediment sample from nearby CB-3, the closest catch basin to Building #8, which was split with NYSDEC. Aroclor-1268 and Aroclor-1260 was detected at a concentrations of 57,000 ug/kg (57 mg/kg) in the NYSDEC split CB-3 sediment sample and 16,000 ug/kg (16 mg/kg) in the Day CB-3 sediment sample, respectively (the 1268 PCB aroclor was not requested by Day during this sampling event). Other samples collected by Day in the immediate vicinity of Building #8 include the following:

- TP2-2, located north of Building #8. The subsurface soil sample, collected at 1 foot below ground surface (bgs), exhibited a concentration of 120 ug/kg (0.12 mg/kg) of Aroclor-1260.
- TP2-15A, located northwest of Building #8. The subsurface soil sample, collected at 8 feet bgs, was non-detect for PCBs.
- TP2-1, located south/southwest of Building #8. The subsurface soil sample, collected at 1-2 feet bgs, was non-detect for PCBs.
- SS2-1, located south/southwest of Building #8. The surface soil sample, collected at 0-2 inches, was non-detect for PCBs.
- TB2-17 and TB2-18, north/northwest of Building #8, respectively. Both were non-detect for PCBs.

2.5.4 HDR Building #8 Investigation (2017)

In October 2017, HDR conducted a multi-media sampling event within Building #8 to provide a preliminary characterization of potential contamination, and to evaluate a potential demolition IRM. Four concrete chip samples, four PCB wipe samples, three soil / unconsolidated material samples, and one aqueous sample were collected and submitted for laboratory analysis. All samples were analyzed for PCBs, with a subset undergoing additional analysis of Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), pesticides, Target Analyte List (TAL) metals, mercury, and cyanide. Soil results were compared to the Part 375 Unrestricted Use, Commercial and Industrial Soil Cleanup Objectives (SCOs).

Laboratory analytical results from this field event are included in the Final Technical Memorandum for Building #8 (dated April 3, 2019). The sample locations and laboratory results are also included on Figure 3 of this plan. A photo log of each sample location are provided in Appendix A of the Final Technical Memorandum. Information provided in the photo log includes the corresponding Letter ID shown in the photograph captions and Figure 3 sample ID.

2.5.4.1 Concrete Chip Sampling

Four surfaces / areas were selected for concrete chip collection and laboratory analysis. Prior to sample collection, HDR personnel manually cleared any debris present on each of the surfaces selected for sample collection. Using a rotary impact hammer drill, HDR personnel drilled several 0.5-inch deep holes, producing a finely ground concrete powder that was aggregated and homogenized in a stainless steel bowl. This produced a composite sample representative of the surface / area identified for characterization. Volume requirements for laboratory analysis necessitated drilling multiple 0.5-inch holes, since a single hole would not produce enough powder to satisfy laboratory requirements. Decontamination of the drill bit and stainless steel bowl occurred via alconox and clean water rinse prior to shifting sampling locations.

The four locations were (A) the concrete slab directly in front of the water-filled trench within the transformer cage; (B) the concrete slab directly in front of the battery rack; (C) the north wall of the transformer cage; and (D) the concrete slab and few inches above the bottom of the western and southern walls. The (D) sample provided a general characterization of the building while (A) through (C) focused on areas likely to contain PCB contamination.

PCBs were detected in each of the four samples / locations. Concentrations of Aroclor-1260 were reported at 0.25 mg/kg at the (A) sampling location, 1.1 mg/kg at the (B) sampling location, 0.75 mg/kg at the (C) sampling location, and 0.54 mg/kg at the (D) sampling location.

2.5.4.2 PCB Wipe Sampling

Four surfaces were selected for PCB wipe collection and laboratory analysis. Prior to sample collection, HDR personnel identified a 100 square centimeter (cm²) area on each of the non-porous surfaces selected for sample collection. Using individual laboratory-provided hexane-treated gauze, HDR personnel wiped each 100 cm² area in three horizontal swiping motions and three vertical swiping motions, taking care to apply uniform pressure during each swipe.

The four locations were (E) the side of the metal platform, facing the gateway valve, on which Transformer #1 sits; (F) the side of the metal platform, facing the gateway valve, on which Transformer #2 sits; (G) the top of the metal platform on which Transformer #3 sits; and (H) the space between Transformers #2 and #3.

PCBs were detected in three of the four samples / locations. Concentrations of Aroclor-1260 were 4.7 ug/Wipe at the (E) sampling location, 3.1 ug/Wipe at the (G) sampling location, and 5.8 ug/Wipe at the (H) sampling location. In addition, Aroclor-1254 was detected at the (G) sampling location with a concentration of 2.2 ug/Wipe. The (F) sampling location was non-detect for PCBs.

2.5.4.3 Soil & Unconsolidated Material Sampling

Three locations were selected for soil / unconsolidated material analysis. Initially, two samples would characterize sub-surface soils and one sample would characterize the unconsolidated materials contained within a floor trench. However, due to constraints related to the variable thickness of the concrete slab, this effort shifted to providing one sub-slab sample, one floor trench

sample, and one sample of exterior soils located immediately adjacent to Building #8 at the same approximate depth of 0.5 feet bgs as the sub-slab point. This new third sampling location would provide a control / comparison point for sub-slab soils relative to exterior soils. The soil samples were analyzed for the full contaminant list of TCL VOCs, TCL SVOCs, PCBs, pesticides, TAL metals, mercury, and cyanide. Each sample was collected via stainless steel hand auger and homogenized in-situ or via stainless steel bowl.

The three locations were (I) the sub-slab soils cored through the concrete slab at the entrance of the semi-partitioned transformer cage; (J) the floor trench in front of the battery rack; and (K) directly outside of the windows in the northwest corner (refer to Figure 3 for a summary of sample locations).

PCBs were detected in the sample collected from the floor trench (J) location. The concentration of Aroclor-1260 at this location was 150 mg/kg, with a duplicate sample containing a concentration of 190 mg/kg. Both concentrations exceed the Industrial SCO of 25 mg/kg for PCBs. The sub-slab and exterior soils were non-detect for PCBs.

Analytical results of the sub-slab (I) and exterior (K) soils were generally similar with the exception that the exterior sample (K) contained a trace amount of tetrachloroethene (0.0025 mg/kg) and several poly aromatic hydrocarbons (PAHs) (0.3 to 0.48 mg/kg) whereas the sub-slab (I) soil did not. When compared to the Part 375 SCOs, the exterior sample (K) contained concentrations of lead, nickel, zinc, and p,p-DDT in exceedance of the Unrestricted Use SCO while the sub-slab (I) soil contained concentrations of nickel in exceedance of the Unrestricted Use SCO. There were no exceedances of the Commercial or Industrial Use SCOs for sub slab (I) or exterior (K) soil sample results.

2.5.4.4 Aqueous Sampling

One aqueous sample was selected for laboratory analysis. Prior to the sampling effort, HDR personnel determined based on the hydrophobic nature of PCBs, that if standing water observed within Building #8 were to contain PCBs, it would have the potential to reveal considerable contamination in the area containing that water and would warrant inclusion of the aqueous sample in the sampling effort.

The one aqueous sample location was (L) the water-filled trench directly in front of the three transformers within the transformer cage. PCBs were detected in the aqueous sample with Aroclor-1260 detected at 0.78 microgram per liter (ug/L) or parts per billion (ppb). Although the trench contains water, the integrity of the trench is not known and further evaluation is needed.

Investigation Summary of Building #8: Historical data and the October 2017 investigation results indicate that PCBs exist at concentrations >50 ppm and <500 ppm in concrete chip and wipe samples collected in the vicinity of the former transformers, and in concrete chip samples collected in the southwestern and southern portions of Building #8. PCBs were also identified in the floor trench, south of the battery rack at concentrations >50 ppm and <500 ppm. Very low concentrations of PCBs (0.78 ppb) were detected in the aqueous sample from the water filled transformer trench. One sub-slab soil sample and one exterior soil sample were obtained from

Building #8, both of which did not indicate the presence of PCBs in soil. However, in the absence of sufficient soil data and the unknown nature of the subsurface beneath the plywood/poly sheeting area in the central portion of the building beneath the transformer pad area and the trenches, impacted soil may be present beneath the building slab.

Based on HDR's analysis of investigation data and historical PCB usage within Building #8, an IRM appears to be applicable for the Building #8 area. Demolition to address PCB-contaminated and non-impacted building materials, and removal of the former transformers and battery rack and other materials down to the floor slab, will remedy potential contaminant sources. Based on observations, the roof materials may contain asbestos-containing material (ACM). Additionally, due to the age of the building, lead based paint (LBP) may also be present. HDR notes that this sampling plan was developed to focus on the demolition of the building itself (down to the slab on grade, but not removing the slab). It is understood that assessment and removal/remediation (if necessary) of the floor slab and sub-slab soils / piping will be further considered at a future time.

3.0 NATURE OF THE CONTAMINATION

A primary contaminant leading to the listing of this site on the NYSDEC Registry of Inactive Hazardous Waste Sites was PCBs which are attributable to the switch gear house at Former Building #8. The floor of Building #8 consists of a concrete slab, on which an electric feeder, a transformer, a load center and batteries were located. Investigations in this area have focused on identifying PCB contamination as described in Section 2.5. PCBs are present in one concrete floor sample at a concentration above 25 mg/kg, which is the NYSDEC Part 375 industrial use soil cleanup objective. Results of soil sampling immediately adjacent to Building #8 do not show any exceedances of the Part 375 commercial use soil cleanup objective of 1 mg/kg. Based on the sample results collected to date, the extent of PCBs may be limited to the concrete floor of Building #8.

The environmental investigation of AFP51 in the vicinity of Building #8 and surrounding area consisted of numerous soil and groundwater samples for a broad suite of compounds, including volatile and semi-volatile organic compounds (VOCs and SVOCs), pesticides, PCBs and metals. However, sampling within Building #8 is limited to two events: Day Engineering in 2004 and HDR in 2017. Table 1 (below) provides a summary of the PCB analytical results. Table 2 (attachment following the text) provides the results of 9 concrete chip samples, 8 wipe samples, 1 exterior surface and 1 sub slab soil sample, 1 sediment and 1 water sample (floor trench; data is summarized on Figure 3). PCBs were detected at concentrations exceeding 50 parts per million (ppm) in three samples, which include two concrete chip samples (CC-04 and CC-05) and one sediment sample. The two concrete chip samples may have been collected at the same location with one sample being a duplicate as the location of CC-05 was not presented on a figure included with the Day Engineering December 2004 Progress Report. Also, CC-05 was not specifically mentioned within that progress report.

Copies of laboratory analysis reports from 2017 are provided in historic documents which are included in the Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (dated April 3, 2019).

**Table 1 - Nature and Extent of Contamination
Building #8
Range of Sampling Dates: 2004 – 2017**

	Contaminants of Concern	Concentration Range Detected (ppm) ^a	Unrestricted SCO ⁽¹⁾ (ppm)	Frequency of Exceeding Unrestricted SCO	Restricted Industrial SCO ⁽²⁾ (ppm)	Frequency of Exceeding Restricted Industrial SCO
Concrete Chip	Total PCBs	ND – 86	0.1	6 of 9	25	1 of 9
Wipe	Total PCBs	ND – 13	NA	NA	NA	NA
Surface Soil	Total PCBs	ND	0.1	0 of 1	1	0 of 1
Subsurface Soil	Total PCBs	ND	0.1	0 of 1	1	0 of 1
Sediment	Total PCBs	190	NA	NA	NA	NA
Water	Total PCBs	0.78	NA	NA	NA	NA
Criteria taken from NYSDEC Part 375 Soil Cleanup Objectives (SCOs) table for Unrestricted Use (Table 375-6.8(a)). Criteria taken from NYSDEC Part 375 Soil Cleanup Objectives table for Restricted Industrial Use (Table 375-6.8(b)) NA – not applicable						

4.0 STANDARD OPERATING PROCEDURES (SOPS) DURING SITE CHARACTERIZATION

Upon on-site mobilization to implement the Building #8 Sampling Plan, HDR staff will complete a full inventory (including photos) of all existing building materials and the conditions of the materials. This inventory will be used to refine sample locations during the mobilization and also to support the proposed building demolition. Subsequent to implementing the below-described PCB assessment of Building #8, an asbestos containing material (ACM) and lead based paint (LBP) surveys will be performed by a subcontracted firm. The subcontracted firm will have the appropriate licenses and certifications for these surveys. Scoping for the ACM and LBP surveys will be coordinated by HDR during the Building #8 sampling.

4.1 Field Sample Collection Procedures

To characterize Building #8 prior to demolition, concrete chip and surficial wipe samples will be collected for PCB analyses including eight aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268). Sample collection procedures for both sample types is provided in this section. Concrete chip sample locations are shown on Figure 4. It is noted that caulking – if present – may also be sampled to determine PCB content. Additional information regarding sample locations is discussed in Section 5.

4.1.1 Concrete Chip Samples

Concrete chip sampling will follow EPA's Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) dated May 2011. Prior to sample collection, the surface will be cleaned using a clean brush or cloth. An impact hammer drill equipped with a carbide drill bit will be used to generate concrete powder for sample collection. The drill will be advanced ½-inch into the concrete surface for the surficial sample. Multiple holes may be advanced at a specific location to generate a sufficient amount of material for the lab analyses. Each sample will be contained in individually labelled laboratory provided sample jars.

Following sample collection, the drill bit and any other sampling equipment that comes in contact with the sampled material) will be decontaminated using a soap and water wash, followed by a rinse.

4.1.2 Wipe Samples

Wipe samples will be collected from smooth and impervious, unpainted surfaces within Building #8 (for instance, windows, ventilation, exposed conduits, racks, glazing, and structural steel). Wipe samples will be collected using a 10 cm by 10 cm (or equivalent that equals 100 cm²) template that outlines the sample area. Unless the surface is wet, a gauze pad saturated with hexane will be used to collect the sample. The 100 cm² area will be thoroughly swabbed vertically using one side of the hexane-saturated wipe and then flipped to horizontally swabbed using the other side of the wipe. The wipe will be swabbed five times in each direction (horizontally and vertically). Care will be taken to assure proper use of the sampling template, as the sample results will be based on the 100 cm² sample area (i.e., µg per 100 cm²).

Following swabbing, the wipe will be rolled and placed within a sample vial provided by the laboratory. The vial will be sealed, labelled and prepared for shipment to the laboratory. If reusable, each sampling template will be decontaminated using a soap and water wash and rinse. If the template is not reusable, it will be discarded with any disposable personal protective equipment.

4.1.3 Quality Assurance/Quality Control

QAQC samples will be collected at frequencies presented in Contract Program specific plans. Field blanks will be collected at a frequency of one per 20 decontamination event for each type of sampling equipment and, at a minimum, one per equipment type and/or media per day. Field duplicates will be collected at a frequency of 1 duplicate per 20 sample media. For this effort, two field blanks and 2 duplicates are anticipated for concrete chip sampling. One field blank and one duplicate is anticipated for wipe sampling.

4.2 Laboratory Analysis Procedures

For this effort, it is understood that TestAmerica Laboratories (Eurofins) will analyze the samples as NYSDEC's Standby Laboratory Contractor. Samples bottles will be provided by the laboratory. All concrete chip samples will be extracted using USEPA Method 3540C and analyzed for PCBs following USEPA Method 8082. All wipe samples will be extracted following USEPA Method 3550B and analyzed for PCBs using USEPA Method 8082. Standard turnaround time for lab results will be requested.

Chain-of-custodies will be completed and will accompany the samples from collection in the field through analyses at the laboratory.

5.0 PCB SAMPLING LOCATIONS

Prior sample locations inside and exterior to Building #8 are shown on Figure 3 along with total PCB concentrations exceeding NYSDEC cleanup criteria (1 ppm for protection of ecological resources (PER) SCO, 25 ppm for Industrial Use SCO). Two concrete chip sample locations (CC-04 and CC-05) contained concentrations of total PCBs exceeding 50 ppm. Documentation of the CC-05 sample location, which was collected in 2004, is not available; it is possible that it was a duplicate sample of CC-04. Also, one sediment sample (AFP51-TRS-20171003; HDR 2017) and its duplicate (DUP1-20171003) contained PCB concentrations exceeding 50 ppm.

To characterize Building #8 for proposed demolition work, concrete chip samples will be collected from the building floor slab and walls. Composite samples will be homogenized from 3 to 5 aliquots collected from the same material (e.g., concrete or cinder block) within a defined area on a wall or the floor. Frequency of aliquot collection will follow the EPA guidance of one sample for every 100 square feet (ft²). Aliquots will be biased toward stained areas. Based on the building dimensions, approximately 51 concrete chip aliquots will be collected and composited. Sample distribution is anticipated as 13 slab aliquots, 8 aliquots for the east and west walls (16 total), 5 aliquots for the north and south walls (10 total) and six aliquots for both sides of an interior wall.

Sample composites are planned based on distribution presented in the Table 3 below. Initially, only the composite samples (estimated at 12) will be submitted for laboratory analysis for total PCBs (with data for 8 individual Aroclors also to be provided by the laboratory). All samples will also be analyzed for each of the 8 PCB Aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268).

Table 3 – Sample Frequency and Distribution Building #8				
Surface	Area (ft ²)	Number of Aliquots	Number of Composite Samples	Wall Features
Slab	1260	13	4	Trenches
North Wall	448	5	1	Structure damage
South Wall	448	5	1	Door
East Wall	720	8	2	Structure damage
West Wall	720	8	2	Windows
Interior Wall ¹	570	6	2	Inside and outside transformer area

1 - estimated area

Figure 4 presents a conceptual sampling strategy for concrete chip aliquot distribution for the floor slab, and the east, north, west and south walls. However, concrete chip aliquots may be redistributed to account for non-porous surfaces such as windows on the north wall and a door on the south wall.

Each aliquot will be retained by the laboratory for further analyses if needed based on a review of the composite sample data. The need for further analysis will be dependent on the sample results. If the results of a particular composite sample exceed 5 mg/kg, then each of the aliquots that formed

that composite sample will be analyzed to delineate the PCB concentrations for that composite area.

Plywood and 2 x 4s that were installed to patch the damage caused during the Building #1 demolition will not be sampled.

The frequency of wipe sampling will be dependent on an inventory of non-porous, unpainted surfaces within Building #8, along with accessibility to certain building components (e.g., roof). For this effort, 20 wipe samples are assumed. All wipe samples will be analyzed for each of the 8 PCB Aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268).

6.0 REPORTING

Following the receipt of all laboratory reports, a description of the field activities with a summary of the analytical results will be presented in a Building #8 Pre-Demolition Assessment Report. The report will include photographs of the building conditions, copies of field notes, and the laboratory report. The assessment report will be provided for inclusion with the specification and bid package so that the prospective bidders are aware of existing site conditions.

7.0 HEALTH AND SAFETY

All work will be conducted following HDR's health and safety plan (HASP) for the AFP51 site. The site-wide HASP has been updated to include the Building #8 sampling activity. COVID-19 guidelines and procedures, as presented in the HDR HASP, will be followed during this activity.

8.0 SCHEDULE

Following NYSDEC authorization to proceed with this sampling plan, HDR will coordinate the activity by assisting NYSDEC with notification to the laboratory with the analytical request and sample bottle / sample wipe order. Aroclor analyses will also be confirmed, as well as the plan for archiving aliquots for possible future analysis. Availability of field equipment rentals and disposables will be confirmed and orders placed. Once the laboratory and field supplies are verified, the field work will be scheduled. It is anticipated the field work will occur within two to three weeks following authorization. However, the Building #8 work may be coordinated to coincide with other planned site activities.

Implementation of the sampling plan is expected to occur over five business days. Turnaround times for laboratory analyses is assumed to be 10 to 15 business days, dependent on NYSDEC's Standby laboratory contractor. Upon receipt, the lab data will be forwarded to a HDR subcontracted data validator for validation. A draft summary report will be provided within two weeks of receiving the validated data.

TABLE 2
AFP51 BUILDING #8 PCB SUMMARY DATA

Sample ID	DAY-CC-01	DAY-CC-02	DAY-CC-03	DAY-CC-04	DAY-CC-04DL	DAY-CC-05	DAY-CC-05DL
Date Sampled	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004
Sample Type	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1221	<72	<68	<68	<690	<6,800	<680	<6,800
Aroclor 1232	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1242	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1248	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1254	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1260	40	65	660	67,000 E	88,000 DP	86,000 E	120,000 D

Sample ID	DAYWP-01	DAYWP-02	DAYWP-03	DAYWP-04
Date Sampled	11/29/2004	11/29/2004	11/29/2004	11/29/2004
Sample Type	Wipe	Wipe	Wipe	Wipe
Units	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Aroclor 1016	<1.0	<1.0	<1.0	<1.0
Aroclor 1221	<1.0	<1.0	<1.0	<1.0
Aroclor 1232	<1.0	<1.0	<1.0	<1.0
Aroclor 1242	<1.0	<1.0	<1.0	<1.0
Aroclor 1248	<1.0	<1.0	<1.0	<1.0
Aroclor 1254	<1.0	<1.0	<1.0	<1.0
Aroclor 1260	<1.0	13 P	13	5

Sample ID	AFP51-ES-01-20171003	AFP51-SS-01-20171003	AFP51-TRS-20171003	DUPE1-20171003	AFP51-CC-01-20171002	AFP51-CC-02-20171002	AFP51-CC-03-20171002	AFP51-CC-04-20171002
Date Sampled	10/3/2017	10/3/2017	10/3/2017	10/3/2017	10/2/2017	10/2/2017	10/2/2017	10/2/2017
Sample Type	Surface Soil	Sub Slab Soil	Trench Sediment	Trench Sediment	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip
Units	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	150,000	190,000	0.25	1.1	0.75	0.54

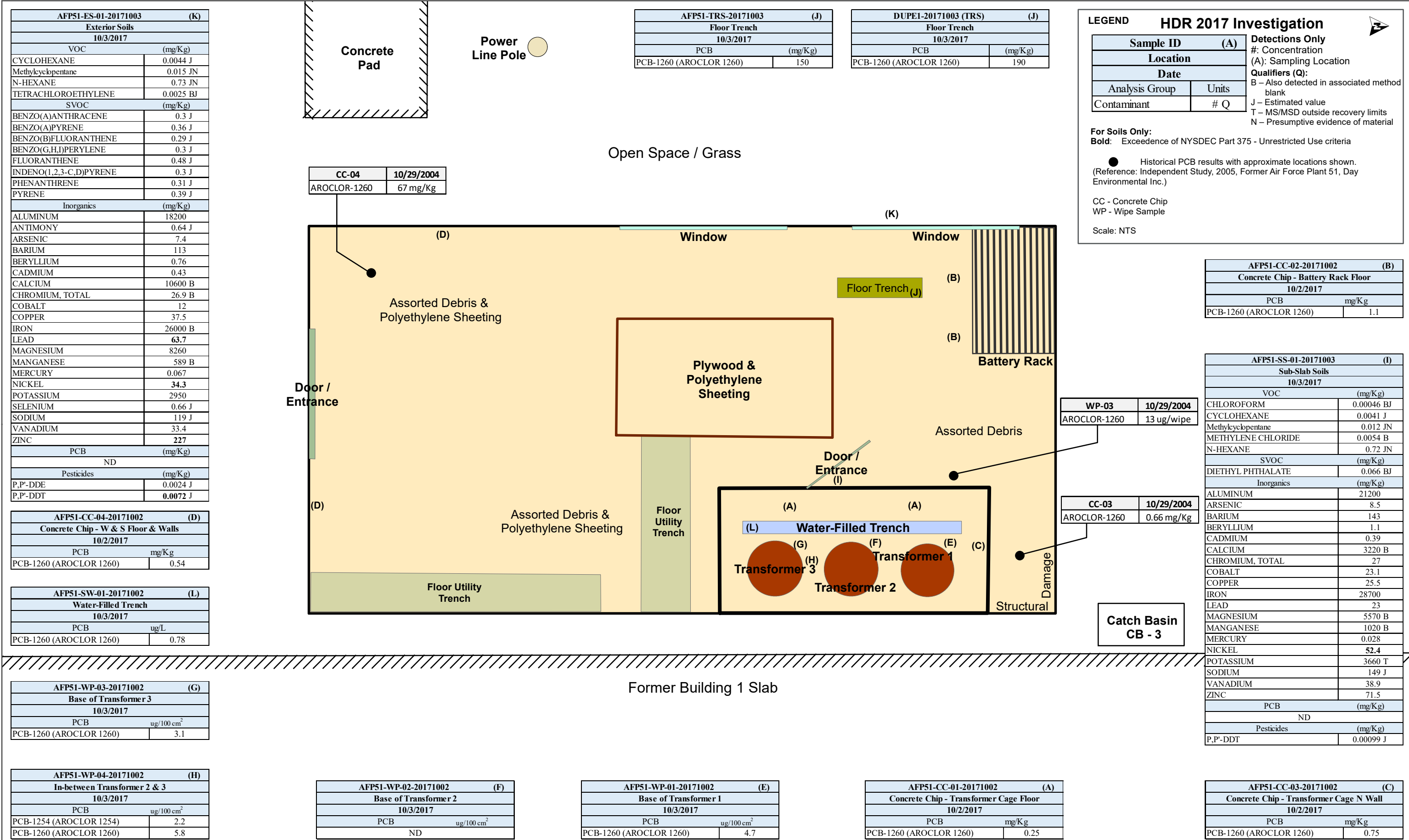
Sample ID	AFP51-SW-01-20171002	AFP51-WP-01-20171002	AFP51-WP-02-20171002	AFP51-WP-03-20171002
Date Sampled	10/2/2017	10/2/2017	10/2/2017	10/2/2017
Sample Type	surface water	Wipe	Wipe	Wipe
Units	ug / L	ug / Wipe	ug / Wipe	ug / Wipe
Aroclor 1016	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND
Aroclor 1260	0.78	4.7	ND	3.1

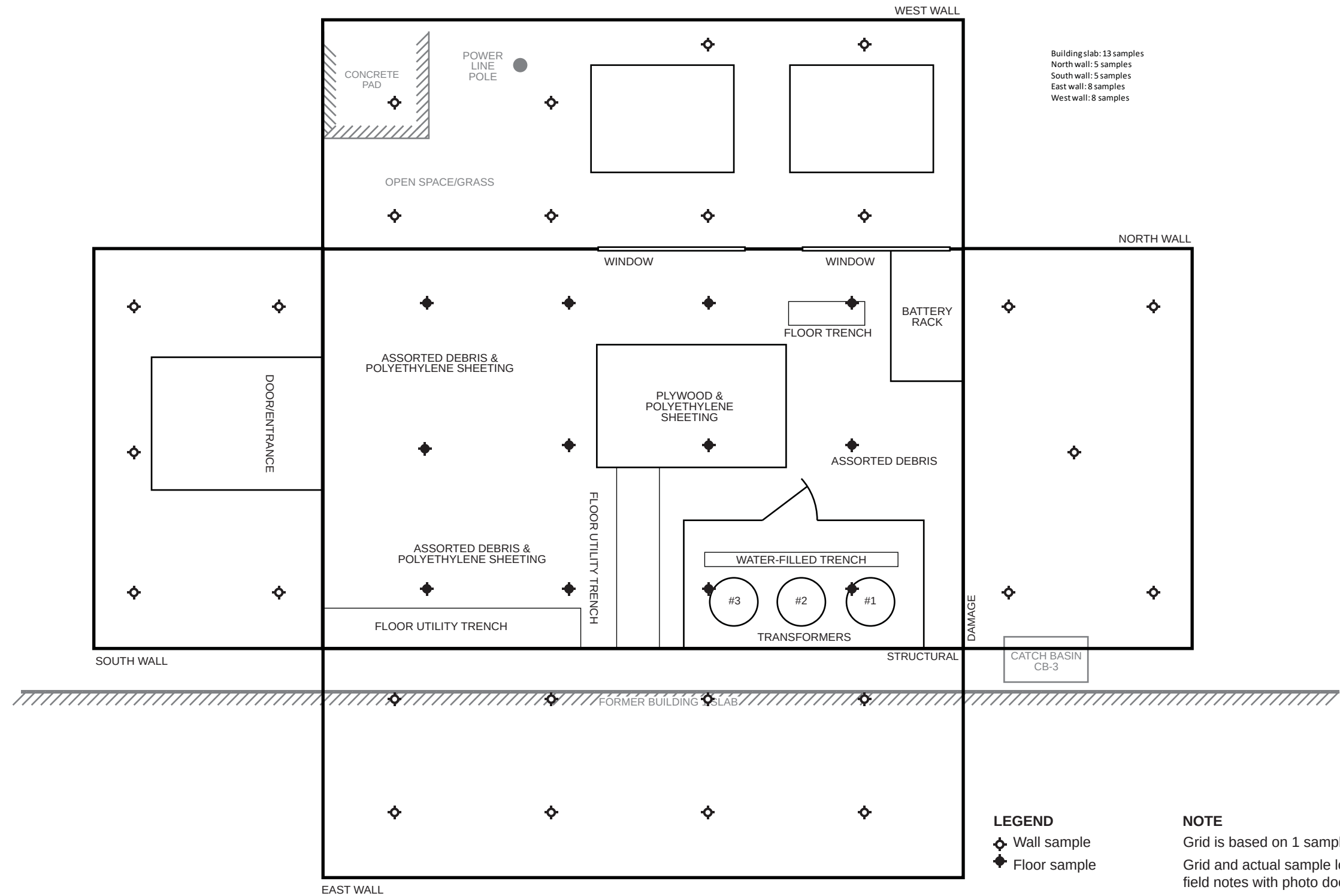


SITE LOCATION MAP **FORMER AIR FORCE PLANT NO. 51 (NYSDEC SITE # 828156)**

FIGURE 1







0 8 ft

APPROX. SCALE
(1 in. = 8 ft)



Scope of Work – Asbestos Containing Material (ACM) and Lead Based Paint (LBP) Survey

Site Name: Former Air Force Plant 51

Site Location: Greece, New York

General Provisions

The site is the former Air Force Plant 51 (AFP51) at 4777 Dewey Avenue in Greece, New York (Figure 1). HDR, as a contractor to NYSDEC, has access to the site as part of Work Assignment 8 (WA8) under NYSDEC's Hazardous Materials Term Standby Contract #D007625 for Engineering Services. The AFP51 site has been impacted by chlorinated volatile organic compounds (PCE, TCE, DCE, and VC), metals (such as chromium, copper, lead, mercury, and nickel) and PCBs.

As part of WA8, HDR is coordinating the demolition of an inactive building at the site. The inactive building is identified as Building #8, which was used as a powerhouse for the main building. Figure 2 shows the Building #8 location on the AFP51 site. The main building was demolished in 2015.

Concrete chip and wipe sampling of Building #8 indicates that the building material has been impacted by PCBs and these compounds may be encountered during site activities. Figure 3 provides a summary of the Building #8 sample results to date.

The Subcontractor shall be responsible for all safety precautions and programs associated with their assigned tasks and will keep the area(s) of operation free from unreasonable accumulation of waste material and debris resulting from the work. The Subcontractor will be required to submit copies of any sampling logs and daily reports to HDR documenting the unit price items and quantities used during each day to complete the work.

Building Description

Building #8 is located along the western edge of the slab of former Building #1, within the OU2 portion of the site. Building #8 was likely constructed at the same time as Building #1 (early 1940s), as it served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switchgear for the Rochester Gas & Electric Co. electric feeder, three 200 KVA oil filled transformers housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. Transformers remain on a concrete pad located on the west side of the building. These systems have been decommissioned and are no longer in use. The three 200 KVA transformers have "No PCB" stickers, indicating prior PCB removal.

The general dimensions of Building #8 are approximately 48 feet by 25 feet and cover an approximate area of 1,200 square feet. It is a single story building that contains a single large room with a semi-partitioned portion located along the northeastern wall. The construction materials include cinderblock walls supported by horizontal steel I-beams, a concrete slab floor, and corrugated metal roofing overlain with plywood and tar roofing materials. The semi-partitioned area is the transformer vault, measuring 19 feet by 10 feet, and is composed of cinderblocks, metallic grates, and metallic grate door. Miscellaneous

other materials are present (e.g., window glaze and caulking; possible painted surfaces) in various conditions.

Building #8 has two sets of windows, each measuring 9.25 feet in length and located along the northern half of the western wall. The entrance is located on the southern wall and is partially boarded up with plywood. Two large ventilation hoods are located along the central ridge of the roof, with a smaller exhaust vent serving a now-decommissioned gas fired space heater located along the northern wall. The northeastern corner of Building #8 was damaged during the demolition of Building #1.

Scope of Work

Asbestos – The Subcontractor will maintain a valid asbestos handling license for the duration of the work on this project and all personnel engaged in asbestos-related work will be appropriately certified for the work being performed, as described in Section 56-2.2 of Industrial Code Rule 56 (12 NYCRR Part 56). The Subcontractor will perform a preliminary investigation for the presence of asbestos-containing materials (ACMs) within Building #8.

- A. An on-site visual inspection of all Building #8 components including the roof.
- B. Should the on-site inspection identify suspect material, a sample will be taken during the inspection.
- C. Asbestos bulk samples will be analyzed by the Polarized Light Microscopy (PLM) method for asbestos content. If PLM results for non-friable organically bound (NOB) samples are negative, the laboratory will be instructed to re-analyze these samples by the Transmission Electron Microscopy (TEM) method, as specified by New York State guidelines. For all materials, the laboratory will be instructed to analyze by layers, to first positive result.
- D. Any detailed mitigation plans for asbestos beyond taking a sample, if necessary, will be covered under a supplemental agreement.

Lead Based Paint – The Subcontractor will perform a preliminary inventory of painted surfaces and potential lead based paint (LBP) within Building #8. Each location shall be described and photo documented. Paint or other similar surface coating that is peeling, cracking, blistering, flaking, chipping or powdering may be sampled for lead by the following methods:

- A. At least one gram of paint or other surface coating should be collected from up to 5 surfaces identified as containing suspect lead based paint for approved laboratory analysis, and/or
- B. A portable X-ray fluorescence analyzer is to be used to determine the presence of lead paint.

Sample Analysis - The laboratory selected to analyze the samples is a participant in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing (PAT) program and accredited by the New York State Department of Health

Environmental Laboratory Accreditation Program (ELAP). HDR approval of the proposed laboratory(s) is required prior to the start of work.

Deliverables

The Subcontractor will provide a concise summary report of the asbestos investigation and lead paint sample collection that includes a description of the field activities, analytical procedures, and investigation and sampling results. Appendices will include final laboratory reports, chain of custody, photographs of identified ACM and lead and drawings showing the location(s) of the ACM and lead. The report will be provided to HDR within 4 weeks of completion of the work. EDDs as an Excel file in a NYSDEC-format shall also be provided.

COVID-19 Risk Management

NYSDEC issued a specification for COVID-19 Risk Management. The specification is included as an attachment. The specification will be in force for the ACM and LBP surveys at AFP51.

Per the NYSDEC specification, the selected contractor will prepare a COVID-19 Management Plan which can be a Supplement, or Addendum, to the Contractor' Health and Safety Plan. A one-page summary of the contractor's site-specific practices for COVID-19 management and clearly display on site. A daily field report will include a daily health checklist with items described in Section 1.6C of the specification included in the daily health checklist.

Schedule

HDR anticipates that this work will be conducted beginning in Spring or Summer 2020 and require one day on-site to complete this phase of the project.

Insurance

Insurance certificates will be required from the selected contractor. Insurance requirements are summarized below.

1. Workers' compensation insurance as required by law,
2. Employer's liability insurance in the amount of \$250,000,
3. Commercial general liability insurance of \$1,000,000 combined single limit for personal injury and property damage,
4. Automobile liability insurance of \$1,000,000 combined single limit for bodily injury and property damage covering all vehicles, including hired cars, owned and non-owned vehicles,
5. Professional liability insurance in the amount of \$1,000,000, with Pollution Liability coverage included under both Professional and Commercial General Liability.
6. Henningson, Durham & Richardson Architecture and Engineering, P.C., State of New York, and New York State Department of Environmental Conservation shall be made additional insureds on the commercial general liability and automobile liability policies.

Costs

The project cost will be determined based on the unit costs, with the total cost based solely on the number of units required to actually complete the work, not the estimated number of units. The basis for the cost estimate shall be provided in the attached Bid Sheet. Sample quantities listed in the bid sheet are estimated and may vary, dependent on site observations and subject to HDR approval.

Lump sum costs for the ACM and LBP surveys listed on the Bid Sheet are to include all labor, equipment and expenses, including travel to and from the site, personal protective equipment, and incidentals.

Attached:

Figures 1 through 3

Building #8 photographs

Bid Sheet

NYSDEC COVID-19 Risk Management Specification

Sample Subcontract agreement



West side of Building #8, looking east



Southeast corner of Building #8, looking northwest.



Building interior, looking north



Building interior, looking south



Building ceiling, looking southeast



Transformers within Building #8



SITE LOCATION MAP **FORMER AIR FORCE PLANT NO. 51 (NYSDEC SITE # 828156)**

FIGURE 1



AFP51-SW-01-20171002 (L)	
Water-Filled Trench	
10/3/2017	
PCB	ug/L
PCB-1260 (AROCLOR 1260)	0.78

AFP51-WP-04-20171002 (H)	
In-between Transformer 2 & 3	
10/3/2017	
PCB	ug/100 cm ²
PCB-1254 (AROCOR 1254)	2.2
PCB-1260 (AROCOR 1260)	5.8

The floor plan shows a large rectangular room with a yellow background. At the top, there are two windows labeled "Window". On the left wall, there is a door labeled "Door / Entrance" with a black dot indicating the handle. In the center of the room, there is a large rectangular area labeled "Plywood & Polyethylene Sheeting". To the right of this area, there is a green rectangular area labeled "Floor Trench (J)". In the bottom right corner, there is a black rectangular area labeled "Door / Entrance (I)". Inside this area, there are three red circles labeled "Transformer 3", "Transformer 2", and "Transformer 1" from left to right. Above the transformers, there is a blue rectangular area labeled "Water-Filled Trench (L)". To the right of the transformers, there is a green rectangular area labeled "Assorted Debris". In the bottom left corner, there is a green rectangular area labeled "Floor Utility Trench". On the right wall, there is a green rectangular area labeled "Battery Rack".

AFP51-WP-01-20171002		(E)
Base of Transformer 1		
10/3/2017		
PCB		ug/100 cm ²
PCB-1260 (AROCLOR 1260)		4.7

AFP51-CC-01-20171002 (A)	
Concrete Chip - Transformer Cage Floor	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCLO 1260)	0.25

AFP51-CC-03-20171002 (C)	
Concrete Chip - Transformer Cage N Wall	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCOR 1260)	0.75

LEGEND

HDR 2017 Investigation

Sample ID (A)	
Location	
Date	
Analysis Group	Units
Contaminant	# Q

Detections Only

#: Concentration

(A): Sampling Location

Qualifiers (Q):

B – Also detected in associated method
blank

J – Estimated value

T – MS/MSD outside recovery limits

N – Presumptive evidence of material

For Soils Only:

Bold: Exceedence of NYSDEC Part 375 - Unrestricted Use criteria

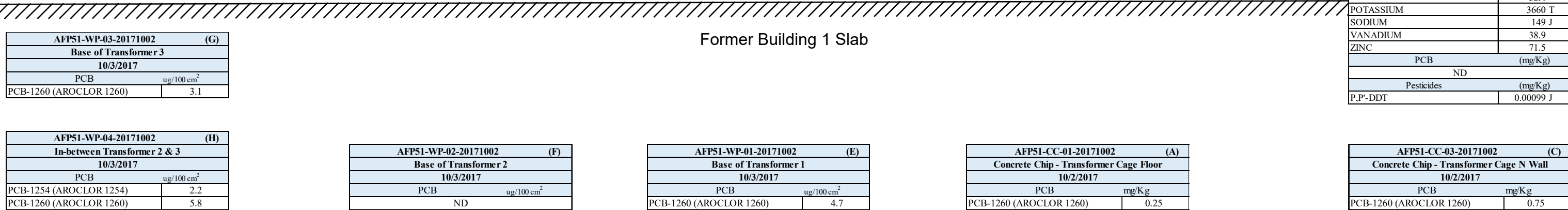
Historical PCB results with approximate locations shown.

(Reference: Independent Study, 2005, Former Air Force Plant 51, Day Environmental Inc.)

CC - Concrete Chip

WP - Wipe Sample

Scale: NTS



NYSDEC WA8 - Former Air Force Plant 51
ACM and LBP Surveys

Name of Subcontractor: _____

Item	Est. Quantity	Unit	Unit Rate (\$)	Estimated Total (\$)
ACM Survey	1	Lump Sum		
LBP Survey	1	Lump Sum		
XRF Rental	1	Day		
Lab Costs	--	--	--	--
PLM Samples	10	each		
PLM-NOB Samples	10	each		
TEM Samples	10	each		
Lead Based Paint	5	each		
				--
			Total:	

Asbestos Containing Material (ACM) and Lead-Based Paint (LBP) Surveys include all labor, travel, expenses, and other incidentals to complete the on-site work and preparation of the deliverables.

Quantities are estimated; actual quantities may vary.

APPENDIX C

Pre-Demolition Regulated Building Materials Inspection



Pre-Demolition Regulated Building Materials Inspection



Location:

Former Air Force Plant No. 51, Building 8
NYSDEC Site Number 82156
4777 Dewey Avenue
Rochester, New York 14612

Prepared for:

New York State Department of Environmental Conservation
Bureau of Environmental Remediation
625 Broadway
Albany, New York 12233

LaBella Project No. 2161937.049

August 3, 2020

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Appendix E – Licenses and Certifications	
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I. PROJECT DESCRIPTION

In accordance with current regulations, LaBella Associates, D.P.C. (LaBella) conducted a Pre-Demolition Regulated Building Materials (RBM) Inspection of the Former Air Force Plant No. 51 building 8 located at 4777 Dewey Avenue in Rochester, New York. The objective was to identify suspect RBMs, such as Asbestos-Containing Materials (ACM), Lead-Based Paint (LBP), polychlorinated biphenyls (PCB) containing caulking and glazing compounds, PCB Ballasts, PCB-contaminated surfaces, Mercury-containing items, etc. which may require abatement or removal prior to or during demolition due to applicable regulations.

Materials and locations understood to be impacted by this project were determined from information provided by the NYS Department of Environmental Conservation Bureau of Environmental Remediation.

II. SITE DESCRIPTION

The former Air Force Plant 51 (AFP51) is located at 4777 Dewey Avenue in Greece, New York. Building #8 is located along the western edge of the concrete slab of former Building #1. Building #8 was constructed in the early 1940s and served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switch gear for the Rochester Gas & Electric CO. electric feeder, three 200 KVA oil filled transformers housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. These systems have been decommissioned and are no longer in use.

The general dimensions of Building #8 are approximately 48 feet by 25 feet and cover an area of approximately 1,200 square feet. It is a single story building that contains a single large room with a semi-partitioned portion located along the northeastern wall. The construction materials include cinderblock walls supported by horizontal steel I-Beams, a concrete slab floor and a corrugated metal roofing system. The semi-partitioned area is the transformer vault, measuring 19 feet by 10 feet, and is composed of cinderblocks, metallic grates, and metallic grate floor.

III. INSPECTION PROCEDURES

The following procedures were used to obtain the data for this Report:

- A. Existing documentation was requested for review. A sampling plan titled "PCB Sampling Plan", prepared by Henningson, Durham & Richardson Architecture and Engineering, P.C. on April 22, 2020, was reviewed to develop an understanding of historical sampling events and known PCB concentrations. No other record drawings or documentation of previously completed inspections were made available.
- B. A visual inspection of the limited areas referenced above was conducted to identify visible and accessible sources of the above referenced suspect RBMs. Photographs captured during this inspection are attached in Appendix C.
- C. Bulk samples of accessible RBMs were collected and submitted for laboratory analysis.
- D. Asbestos samples were submitted for laboratory analysis. Preliminary Polarized Light Microscopy analyses of non-friable, organically bound (NOB) materials were performed by LaBella Laboratories, a NYSDOH accredited laboratory, to determine the presence and



percentage of asbestos in each sample. Transmission electron microscopy analyses of NOB materials, if necessary, were performed by AMA Laboratories.

- E. Suspect painted or glazed materials were checked in the field using XRF testing procedures for the presence of lead.
- F. Per the procedures outlined in the “PCB Sampling Plan”, nonporous non-painted surfaces within the building were sampled for PCB levels using hexane-filled wipes. Composite concrete chip samples were also collected from the interior walls and floors. Chip and wipe samples were submitted to Alpha Analytical.
- G. Results of the laboratory analyses, field testing and the visual on-site inspection were compiled and summarized.

IV. INSPECTION LIMITATIONS

This inspection was conducted in accordance with generally accepted environmental engineering practices for this region. Collection of bulk samples of suspect RBMs was limited to those materials readily accessible using hand tools or hand-held power tools. Homogeneous materials were identified and located based on visual observation from readily accessible points. The data derived from representative samples of any given homogeneous material represent conditions that apply only at that particular location. Inspection protocol and methodology requires that sample data be used to draw conclusions about the entire homogeneous area, but such conclusions may not necessarily apply to the general Site as a whole. No sub-surface investigations were performed to determine the possible presence of regulated materials on or in the immediate vicinity of the Site.

LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports. No inspection can wholly eliminate the uncertainty regarding the potential for undiscovered RBMs. The Work performed by LaBella is intended to reduce, but not eliminate, uncertainty regarding the potential for RBMs at the Site. This inspection report is not intended to be a bid document for an abatement scope of work. This report is intended to satisfy the requirements of NYS Code Rule 56-5 for inspections. Abatement project design can only be performed by a certified Project Designer.

V. INSPECTION RESULTS

Asbestos-Containing Materials (ACMs)

Based on laboratory analyses of bulk samples collected, the following materials were determined to contain greater than 1% asbestos. However, the following table does not include all of the materials sampled during this inspection; for a full list of materials sampled see the *Asbestos Bulk Sample Summary Table* immediately following this report.

Type of Material	Typical Location	Estimated Amount	Friability	Condition
Gray Transite	Inside Panel Boxes	4 SF	Non-Friable	Good
Black Transite	Panel Inside Wall By Transformers	3 SF	Non-Friable	Good
Black Window Caulk	Around Window Frames on the Interior of the Building	90 LF/ 2 SF	Non-Friable	Good



Type of Material	Typical Location	Estimated Amount	Friability	Condition
Gray Transite Pipe**	Flue Pipe Along the Exterior of the Building	15 LF	Non-Friable	Good
Black Roofing Cement	Along CMU Block Walls on the Interior of the Building & Around Exhausts on the Roof	60 SF	Non-Friable	Good
Black Tar Paper**	On Metal Roof	1,325 SF	Non-Friable	Good
Black Debris	On Ground of Exterior and Interior of the Building	825 SF	Non-Friable	Poor

**See below for a detailed description of material locations.

ACM Project Specific Details

Gray Transite Pipe

A gray asbestos-containing Transite pipe runs vertically along the exterior wall of the building. The Transite pipe turns 90 degrees and protrudes the exterior wall with approximately 1 linear foot located on the interior of the building. The transite pipe is generally in good condition and covers an area of approximately 15 linear feet.

Black Tar Paper

Black asbestos-containing tar paper is located on both the interior and exterior sides of the metal roof. The tar paper is generally in good to fair condition, although damaged sections of the tar paper were noted during the inspection. Visible black asbestos-containing debris (tar paper) was observed on both the interior and exterior ground surfaces around the building. The tar paper covers an area of approximately 1,325 square feet.

Note: *New York State Regulations currently consider this condition to represent an “Incidental Asbestos Disturbance”. See “Section V, Observations and Cautionary Statements” for additional information.*

PCB-Containing Materials

Historical reports (see Appendix F for more information) indicate that PCB containing materials were used and stored within Building #8. Previous testing results, performed by Day Environmental and HDR, indicate that PCBs exist at concentrations >50 ppm (and less than <500 ppm) in concrete chip and wipe samples collected in the vicinity of the former transformers, and in concrete chip samples collected in the southwestern and southern portions of Building #8. PCBs were also identified in the floor trench, south of the battery rack at concentrations >50 ppm (and less than <500 ppm). Refer to Appendix F for additional information relating to historical sampling at the project site.

Caulking and Glazing Compounds

It has recently been discovered that certain caulking and glazing compounds have the potential to contain PCBs. Caulking and glazing compounds containing equal to or greater than 50 ppm PCB must be disposed of as PCB-Contaminated hazardous waste. Therefore, caulking and a glazing compounds were observed, sampled and analyzed for the presence of PCBs. Based on laboratory analysis, these caulking and glazing compounds are **not** considered to be PCB-Contaminated (i.e. NOT $\geq$ 50 ppm PCBs).



Liquid-Filled Transformers

At the time of inspection, three 200 KVA oil filled transformers were observed. Older vintage liquid-filled transformers manufactured prior to 1980 typically contained PCB oil. All three transformers were labeled with “No PCB” stickers, indicating prior PCB removal had occurred.

Concrete Chip Sampling

In an effort to characterize the existing conditions within Building #8 prior to demolition, LaBella conducted additional composite concrete chip sampling throughout the interior of the building. Concrete chip sampling was conducted in accordance with the EPA’s Standard Operating Procedure for sampling porous surfaces for Polychlorinated Biphenyls dated May 2011. An impact drill equipped with a carbide drill bit was used to generate concrete powder for sample collection. Each location was pre-cleaned prior to sample collection in order to eliminate any potential contaminants. Samples were collected to a depth of approximately ½-inch, with multiple holes located adjacently in order to generate sufficient sample volumes for PCB determination.

Concrete chip samples were submitted to Alpha Analytical for PCB determination. All samples were extracted using USEPA method 3540C, and analyzed for PCBs following USEPA Method 8082. Low levels of PCBs were detected in each of the 12 concrete chip samples, and ranged from 0.596 ppm (east wall) to 22.4 ppm (floor). Each of the concrete chip samples taken on July 7, 2020 fell below the EPA “PCB bulk product waste” value of ≥ 50 ppm PCBs.

Wipe Sampling

Additionally, PCB wipe samples were collected from smooth and nonporous, unpainted surfaces throughout the building. This included, but was not limited to, windows, utility boxes, transformers, and structural steel. For each sample location, individual 100 square centimeter (cm²) templates were used for the collection area. Laboratory provided hexane-treated gauze pads were used to wipe the sample area, making sure to be mindful to apply uniform pressure during each swipe. Each location was wiped in three horizontal swiping motions followed by three vertical swiping motions. Samples were labeled and submitted to Alpha Analytical for PCB determination.

Wipe samples were extracted using USEPA method 3550B, and analyzed for PCBs following USEPA Method 8082. Of the fifteen (15) PCB wipe samples taken during the July 7, 2020 sampling event, 13 of samples revealed low levels of PCBs ranging from 0.113 ug/100cm² to 1.05 ug/100cm². The other two samples (Window C1 & N I-Beam W Side 3) were non-detect.

Handling and disposal of all materials impacted by PCBs at the project site should be conducted in accordance with 40 CFR Part 761 – Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions. For a full summary of laboratory analytical reports, please refer to Appendix D.

Lead – Based Paint

Several representative interior and exterior painted surfaces were observed and tested for the presence of lead-based paint using XRF testing procedures. Lead-based components include:

- Gray painted metal window sashes;
- Gray metal cable;
- Gray painted metal transformers; and
- White painted metal fence post.

In accordance with Environmental Protection Agency (EPA) protocols, no other materials were observed or tested which contain lead above the action level threshold of 1.0 mg/cm².



The buildings and spaces inspected for this project do not include or comprise residential spaces applicable to the requirements of EPA lead-based paint management regulations. Therefore, EPA 40 Code of Federal Regulations (CFR) 745: Lead-Based Paint Renovation, Repair and Painting (RRP) Program Rule and HUD requirements do not apply. However, lead was detected at low concentrations in a variety of other building materials (i.e., walls, grate, I-Beam, etc.). Renovation and demolition contractors should be informed of the presence of lead for OSHA compliance considerations.

For purposes of reading this report, and understanding which wall or component in a particular space was sampled, walls were assigned the letters A, B, C, or D. The wall labeled as “A” is the address side of the building; walls B, C, and D will follow clockwise in succession.

VI. OBSERVATIONS AND CAUTIONARY STATEMENTS

Black Tar Paper

As stated earlier, the presence of damaged asbestos-containing tar paper observed on the interior and exterior of the building represent an “Incidental Asbestos Disturbance” scenario as defined by New York State Asbestos Regulations, (i.e. Industrial Code Rule 56). According to these regulations, personnel access to the areas affected shall be restricted until such time as the material is cleaned up by a licensed asbestos abatement contractor. The clean-up of this material shall take place as soon as possible.

For contamination cleanup scenarios, the notifiable quantity is the square footage of potentially contaminated surfaces. In addition, any cleanup scenario over a minor size (10 SF), requires a site-specific variance. While on site, the extent of contamination was quantified and assessed in accordance with all New York State Regulations. The certified asbestos inspector used his professional experience, as well as bulk sampling/analysis of the debris/residue, to define the limits of the contamination that must be cleaned up. The total quantity of disturbances on the interior and exterior of the building indicate a large project scenario (approximately 825 square feet), as well as the need for a site specific variance. The data collected during the inspection can be incorporated into a site- specific emergency variance application.

Vermiculite

Vermiculite has been used as loose insulation in attics, walls, CMU block, and as a component of plaster, fireproofing and other building materials. The NYS Department of Health considers Vermiculite to be an asbestos-containing material, and that building materials containing more than 10% Vermiculite should be treated as asbestos-containing.

Vermiculite was **not** observed in materials inspected for this project. Several preexisting holes and sections of the CMU block were missing and no loose fill vermiculite was observed. However, cautionary measures should still be taken during construction, renovation, and demolition to ensure that proper steps are taken if Vermiculite is discovered in previously inaccessible locations. If Vermiculite is discovered, work should be stopped immediately to address the issue and prevent the uncontrolled release and distribution of an asbestos-containing material.

Potentially Hidden/Inaccessible RBMs

Although this inspection was conducted in a manner consistent with recognized professional practices, the potential does exist for additional RBMs to be inaccessible, hidden, and undiscovered in the area inspected.

Asbestos Bulk Sample Summary Table

Asbestos Bulk Sample Summary Table

Pre-Demolition Regulated Building Materials Inspection
Former Air Force Plant No. 51, Building 8
4777 Dewey Avenue
Rochester, New York 14612

Items in Bold are Confirmed ACM

<i>Sample #</i>	<i>Type of Material</i>	<i>Sample Location</i>	<i>Results % Asbestos</i>
1A	Black Paper	Inside Panel Box in Transformer Room	None Detected
1B	Black Paper	Inside Panel Box in Transformer Room	None Detected
2A	Brown Transite	Inside Panel Boxes	None Detected
2B	Brown Transite	Inside Panel Boxes	None Detected
3A	Gray Transite	Inside Panel Boxes	Chrysotile 29%
3B	Gray Transite	Inside Panel Boxes	Not Analyzed Duplicate of 3A
4A	Black Transite	Panel in Wall of Transformer Room	Chrysotile 33%
4B	Black Transite	Panel in Wall of Transformer Room	Not Analyzed Duplicate of 4A
5A	Black Window Caulk	Around Window Frame on Interior of Windows	Chrysotile 11%
5B	Black Window Caulk	Around Window Frame on Interior of Windows	Not Analyzed Duplicate of 5A
6A	Gray Window Glazing Compound	Around Glass Panes of Window	None Detected
6B	Gray Window Glazing Compound	Around Glass Panes of Window	None Detected
7A	Gray Transite Pipe	Flue Pipe By Suspended Heater on Interior of Building	Chrysotile 25%
7B	Gray Transite Pipe	Flue Pipe Along Exterior of Building	Not Analyzed Duplicate of 7A
8A	Black Tar	Between Roof and CMU Blocks on Interior of Building	None Detected
8B	Black Tar	Between Roof and CMU Blocks on Interior of Building	None Detected
9A	Black Roofing Cement	Along CMU Block on Interior Walls	Chrysotile 16%
9B	Black Roofing Cement	Along CMU Block on Interior Walls	Not Analyzed Duplicate of 9A
10A	Black Tar Paper	On Metal Roof	Chrysotile 57%
10B	Black Tar Paper	On Metal Roof	Not Analyzed Duplicate of 10A
11A	Black Debris	On Ground in the Transformer Room	Chrysotile 50%

Appendix A

Inspection Fact Sheet

Inspection Fact Sheet

Name and Address of Building/Structure

Former Air Force Plant No. 51, Building 8

4777 Dewey Avenue

Rochester, New York 14612

Name and Address of Building/Structure Owner

New York State Department of Environmental Conservation

Bureau of Environmental Remediation

625 Broadway

Albany, New York

Name and Address of Owner's Agent

LaBella Associates, D.P.C.

300 State Street, Suite 201

Rochester, New York 14614

Name of the Firm & Person Conducting the Inspection

LaBella Associates, D.P.C.

Chris Enright (NYS DOL Cert. #06-08603)

Cory Stamp (LBP-R-1206349-1)

Dates the Inspection Was Conducted

July 6 & 7, 2020

Appendix B

Sample Location Drawings

Project Number: 2161937.049

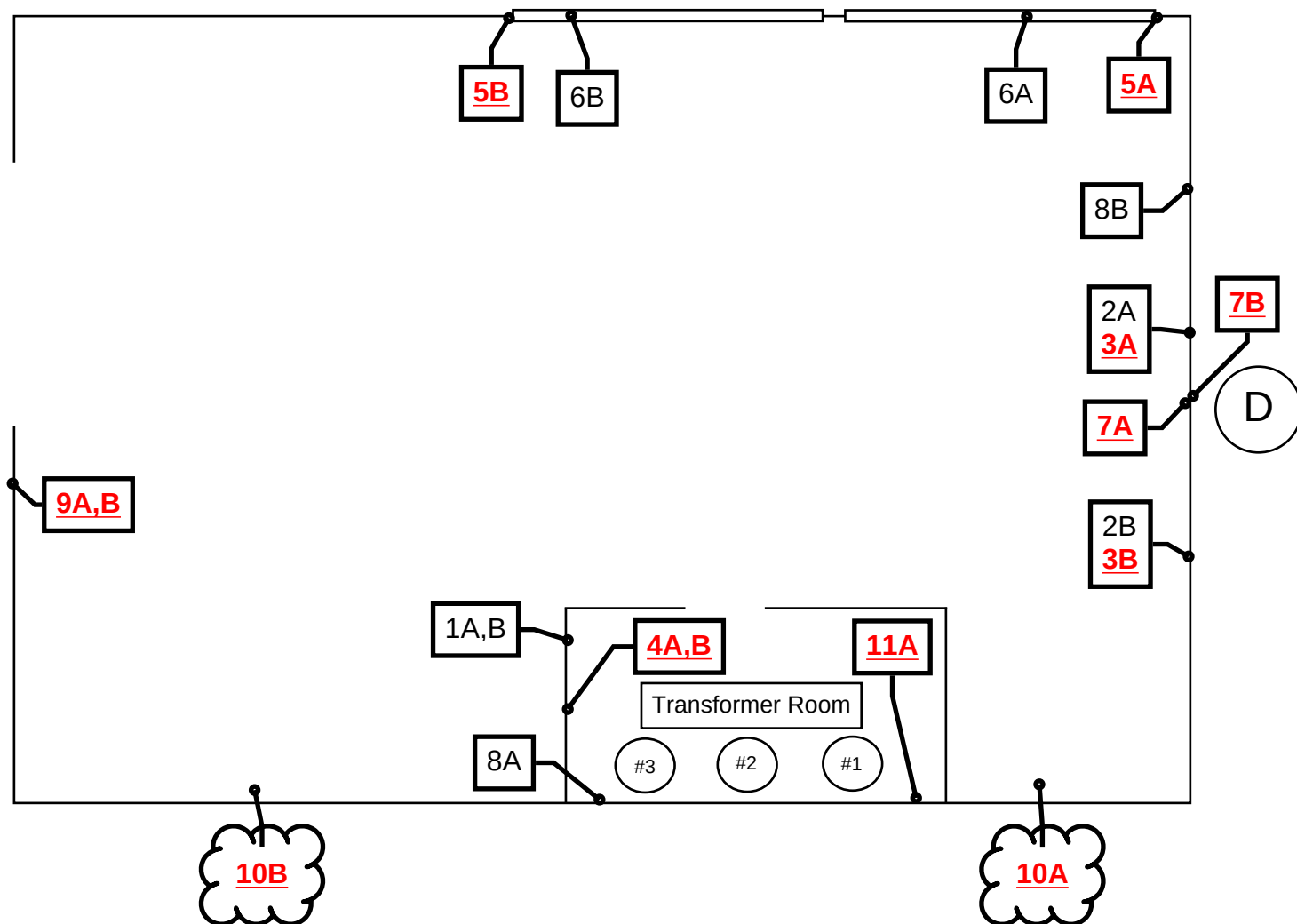
Former Air Force Plant No. 51

Building #8

Interior/Exterior Bulk Samples

C

Roofing
Samples



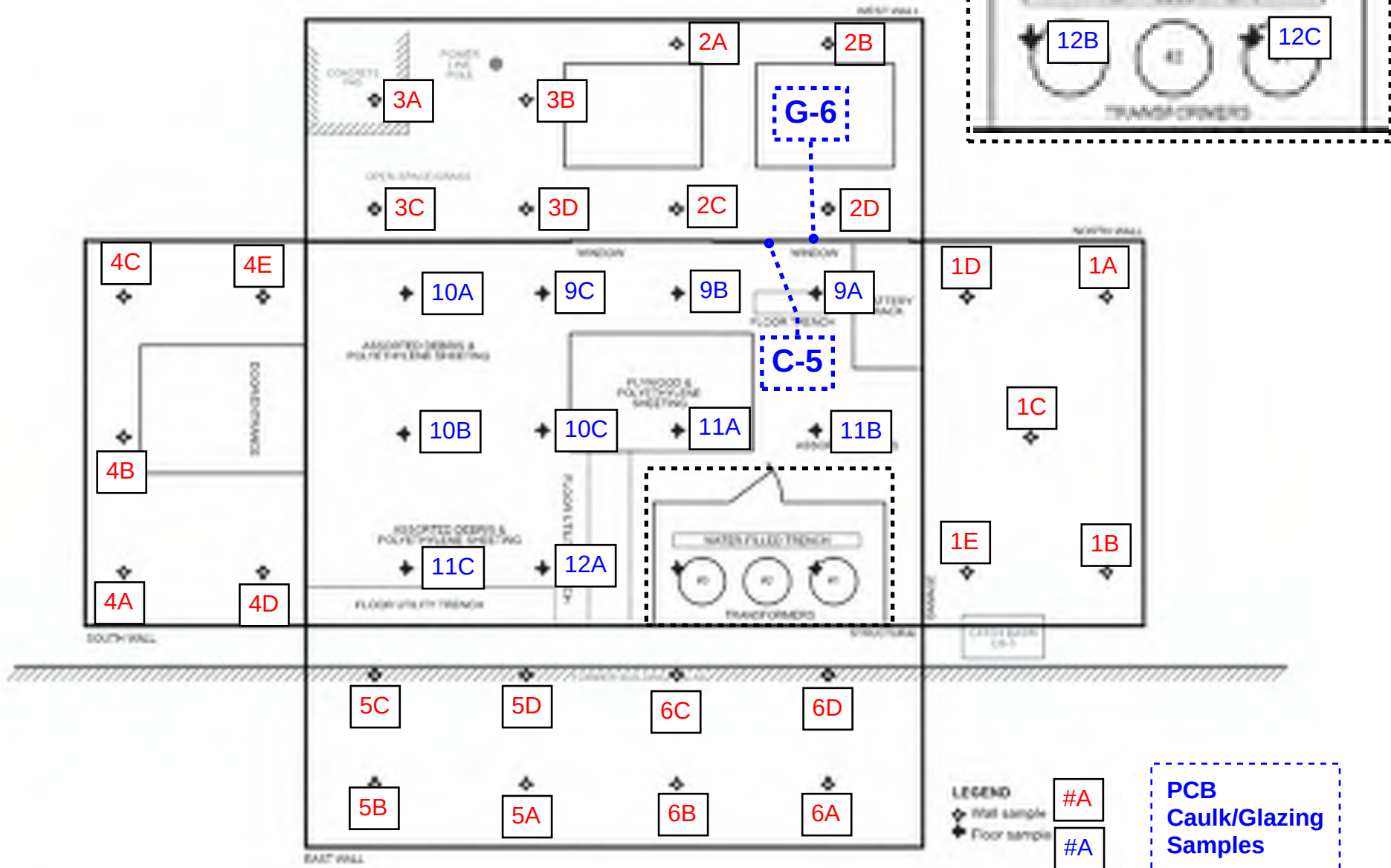
A

Confirmed ACM **Bold and Underlined**

N →

Building 8 PCB Concrete Chip Sample Locations

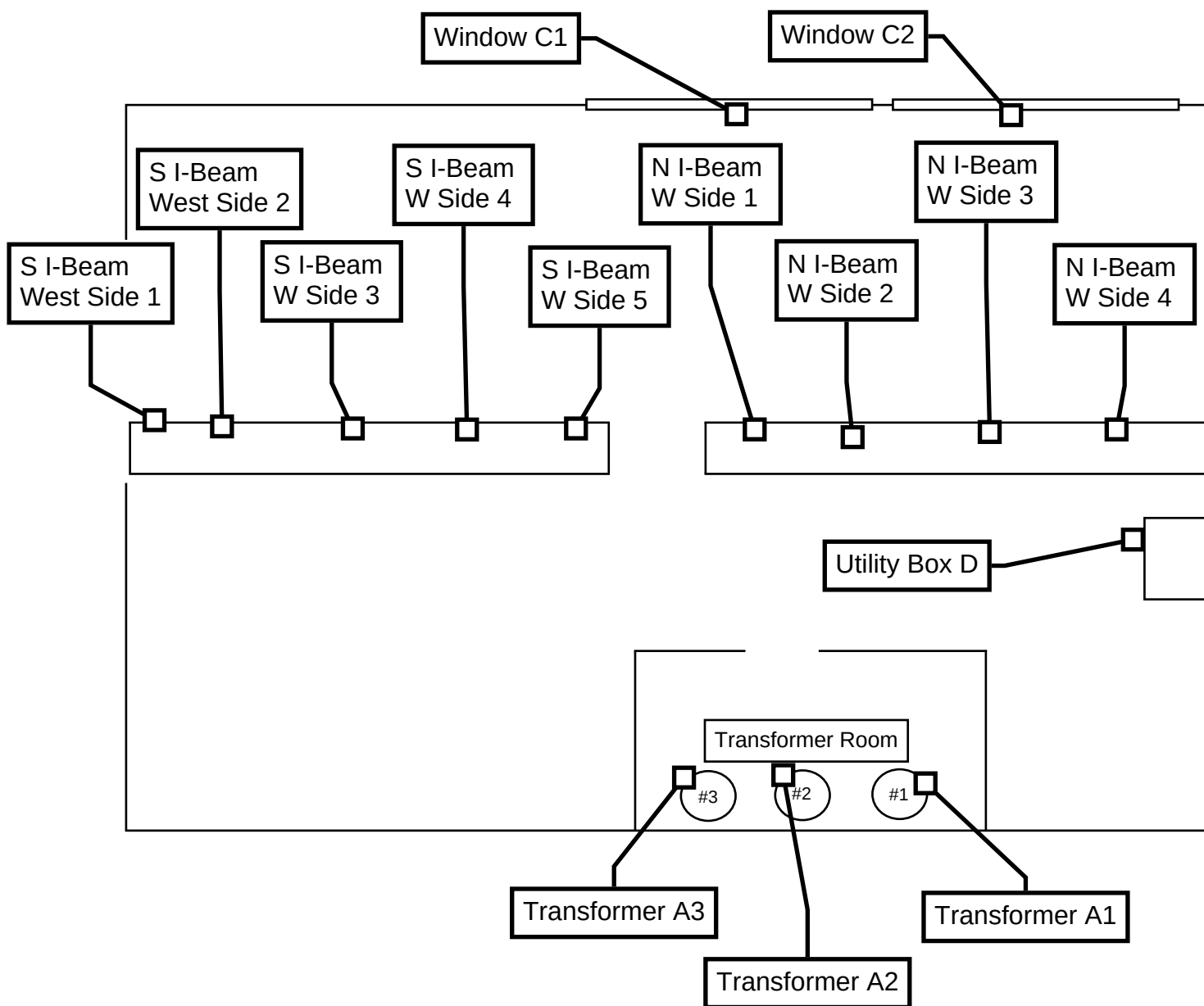
July 7, 2020
LaBella Project No. 2161937.049



N →

Building 8 PCB Wipe Sample Locations

July 7, 2020
LaBella Project No. 2161937.049



Appendix C

Inspection Photos



Photo 1
Building 8 interior and
transformer room, looking north



Photo 2
Building 8 interior, looking south



Photo 3
Transformer room interior

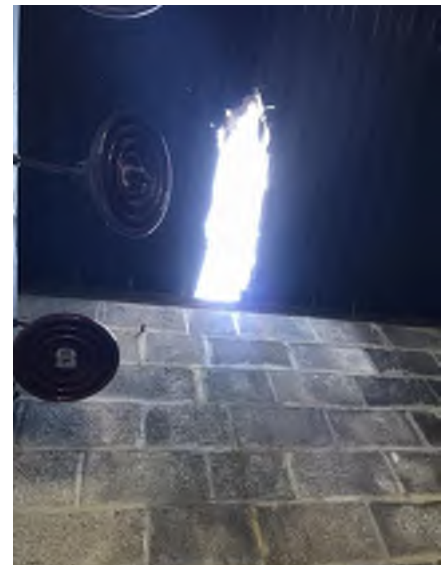


Photo 4
Roof damage in the transformer
room



Photo 5

Gray asbestos-containing transite located inside the panel boxes

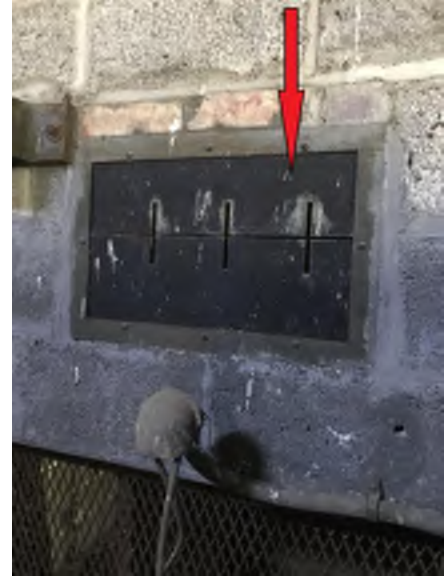


Photo 6

Black asbestos-containing transite located in the wall of the transformer room



Photo 7

Black asbestos-containing window caulk located around the window frame on the interior of the building



Photo 8

Gray asbestos-containing transite pipe located along the exterior of the building



Photo 9
Black asbestos-containing roofing
cement located along the CMU
blocks on the interior of the
building



Photo 10
Black asbestos-containing tar
paper located on the metal roof



Photo 11
Black asbestos-containing debris
located on the ground of the
interior of the building



Photo 12
Black asbestos-containing debris
located on the ground of the
exterior of the building



Photo 13

A fence post with white lead-based paint located along the concrete in front of the building



Photo 14

Both interior window sashes contain gray lead-based paint



Photo 15

All three transformers contain black lead-based paint



Photo 16

Lead-based metal cable

Appendix D

Laboratory Analytical Reports

Asbestos Results

475

**ASBESTOS SAMPLING SURVEY
BULK SAMPLE LOG
AND CHAIN OF CUSTODY**

Location: Air Force Plant SI - Bldg #8
4777 Dewey Ave, Rochester

Client: DEC

Job No.: 2161937

Rates: Standard

Date: 7/6/20

Relinquished by: Chris Enright

Sampled By: Chris Enright

Received by: Matt Smith

LaBella Lab No.: 47520

Number of Samples: _____

STOP Positive: (YES) NO

Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount
G 1 1A	Inside panel box by transformers	Black Paper	
G 2 1B	"	"	
P 3 2A	Inside panel boxes	Brown Transite	
P 4 2B	"	"	
+N 5 3A	Inside panel boxes	Gray Transite	
V 3B	"	"	
+N 6 4A	Board in wall by transformers	Black Transite	
V 4B	"	"	
+N 7 5A	Around window frame	Black window Caulk	
V 5B	"	"	
T 8 6A	Around glass panels of window	Gray window glazing compound	
T 9 6B	"	"	
+N 10 7A	Pipe along exterior of bldg	Gray Transite Pipe	
V 7B	"	"	
G 11 8A	Between roof & CMU on interior	Black Tar	
G 12 8B	"	"	
+N 13 9A	Along CMU block on interior	Black roofing cement	
V 9B	"	"	
+N 14 10A	On metal roof	Black Tar paper	
V 10B	"	"	
+N 15 11A	on ground by transformer (Interior)	Black Debris	

Lead Results

XRF Lead Sampling Summary Table
Former Air Force Plant No. 51, Building 8
4777 Dewey Avenue
Rochester, New York 14423
LaBella Project No. 2161937.049

Reading No.	Location (Room)	Wall (A, B, C D) & Structure	Substrate	Color	XRF Result
1	Calibration Check	-----	-----	-----	PASS
2	Main Room Interior	C, Window Sash 1	Metal	Gray	2.24+ P
3	Main Room Interior	C, Window Sash 2	Metal	Gray	2.39+ P
4	Main Room Interior	D, Rack	Metal	Gray	0.04
5	Main Room Interior	D, Air Conditioning Unit	Metal	Gray	0.00
6	Main Room Interior	D, Switch Box	Metal	Gray	0.00
7	Main Room Interior	A, Gate	Metal	Gray	0.01
8	Main Room Interior	A, Gate Case	Metal	Gray	0.00
9	Main Room Interior	Ceiling I-Beam	Metal	Black	0.01
10	Main Room Interior	A, Box	Metal	Silver	0.00
11	Main Room Interior	C, Switch Box	Metal	Silver	0.00
12	Main Room Interior	C, Breaker Box	Metal	Silver	0.00
13	Transformer Room	B, Cable	Metal	Gray	5.00+ I
14	Transformer Room	B, Cable Conduit	Metal	Gray	0.00
15	Transformer Room	A, Transformer 1	Metal	Gray	3.01+ P
16	Transformer Room	A, Transformer 2	Metal	Gray	2.68+ P
17	Transformer Room	A, Transformer 3	Metal	Gray	2.00+ P
18	Transformer Room	D, Grate	Metal	Gray	0.12
19	Transformer Room	B, Cable Sleeve	Metal	Gray	0.28
20	Transformer Room	B, Switch Box	Metal	Black	0.00
21	Transformer Room	C, Fence	Metal	Gray	0.00
22	Exterior	C	CMU	White	0.02
23	Exterior	D	CMU	White	0.03
24	Exterior	D, Fence Post	Metal	White	1.31+ P

I = Intact Condition. No visible damage or deterioration

P = Poor Condition. Paint is chipped, peeling, or otherwise damaged

XRF Lead Sampling Summary Table
Former Air Force Plant No. 51, Building 8
4777 Dewey Avenue
Rochester, New York 14423
LaBella Project No. 2161937.049

Reading No.	Location (Room)	Wall (A, B, C D) & Structure	Substrate	Color	XRF Result
25	Calibration Check	-----	-----	-----	PASS

I = Intact Condition. No visible damage or deterioration

P = Poor Condition. Paint is chipped, peeling, or otherwise damaged

PCB Results



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Labella Associates (1126)
Address: 300 State Street
Rochester, NY 14614-1098

Order #: 376702

Matrix Bulk
Received 07/08/20
Reported 07/09/20

Attn:

Project: Air Force Plant 51-Building #8
Location: 4777 Dewey Ave, Rochester NY
Number: 2161937

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
376702-001	C-5						
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1221		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1232		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1242		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1248		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1254		SW846 8082A	22100	2300	µg/kg	07/08/20	AE
Aroclor - 1260		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1262		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1268		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
PCB - Surrogate Recoveries							
DCB		D					
TCMX		D					
376702-002	G-6						
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1221		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1232		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1242		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1248		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1254		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1260		SW846 8082A	2310	495	µg/kg	07/08/20	AE
Aroclor - 1262		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1268		SW846 8082A	<496	495	µg/kg	07/08/20	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Labella Associates (1126)
Address: 300 State Street
Rochester, NY 14614-1098

Order #: 376702

Matrix Bulk
Received 07/08/20
Reported 07/09/20

Attn:

Project: Air Force Plant 51-Building #8
Location: 4777 Dewey Ave, Rochester NY
Number: 2161937

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
376702-07/09/20 03:30 PM							

Reviewed By: **Jennifer Lee**
Manager

State Certifications

Method	Parameter	New York	Virginia
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified

State	Certificate Number
New York	ELAP 61372
Virginia	VELAP 10779

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



ANALYTICAL REPORT

Lab Number:	L2028529
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jarrold Miner
Phone:	(585) 454-6110
Project Name:	BLDG 8, FORMER A.F. BASE S1
Project Number:	2161937.049
Report Date:	07/14/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2028529-01	1A-E NORTH	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:10	07/07/20
L2028529-02	2A-D WEST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:20	07/07/20
L2028529-03	3A-D WEST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:35	07/07/20
L2028529-04	4A-E SOUTH	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:45	07/07/20
L2028529-05	5A-D EAST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:00	07/07/20
L2028529-06	6A-D EAST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:10	07/07/20
L2028529-07	7A-C INTERIOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:15	07/07/20
L2028529-08	8A-C INTERIOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:20	07/07/20
L2028529-09	9A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:25	07/07/20
L2028529-10	10A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:35	07/07/20
L2028529-11	11A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:40	07/07/20
L2028529-12	12A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:50	07/07/20
L2028529-13	WINDOW C1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:30	07/07/20
L2028529-14	WINDOW C2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:32	07/07/20
L2028529-15	TRANSFORMER A1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:35	07/07/20
L2028529-16	TRANSFORMER A2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:40	07/07/20
L2028529-17	TRANSFORMER A3	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:42	07/07/20
L2028529-18	UTILITY BOX D	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:50	07/07/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2028529-19	S I-BEAM WEST SIDE 1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:51	07/07/20
L2028529-20	S I-BEAM WEST SIDE 2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:52	07/07/20
L2028529-21	S I-BEAM W SIDE 3	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:53	07/07/20
L2028529-22	S I-BEAM W SIDE 4	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:54	07/07/20
L2028529-23	S I-BEAM W SIDE 5	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:55	07/07/20
L2028529-24	N I-BEAM W SIDE 1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:56	07/07/20
L2028529-25	N I-BEAM W SIDE 2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:57	07/07/20
L2028529-26	N I-BEAM W SIDE 3	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:58	07/07/20
L2028529-27	N I-BEAM W SIDE 4	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:59	07/07/20

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

L2028529-02, -03, -05, -07 contains peaks which match the retention times for Aroclor 1260, but do not match the area ratios typical for this aroclor. The result for Aroclor 1260 is reported as "altered".

L2028529-09 and -11: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%,0%) and decachlorobiphenyl (0%,0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Jennifer L Clements

Title: Technical Director/Representative

Date: 07/14/20

ORGANICS

PCBS

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-01
Client ID: 1A-E NORTH
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 04:39
Analyst: AD
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	93.4	8.30	1	A
Aroclor 1221	ND		ug/kg	93.4	9.36	1	A
Aroclor 1232	ND		ug/kg	93.4	19.8	1	A
Aroclor 1242	ND		ug/kg	93.4	12.6	1	A
Aroclor 1248	ND		ug/kg	93.4	14.0	1	A
Aroclor 1254	ND		ug/kg	93.4	10.2	1	A
Aroclor 1260	873		ug/kg	93.4	17.3	1	B
Aroclor 1262	ND		ug/kg	93.4	11.9	1	A
Aroclor 1268	ND		ug/kg	93.4	9.68	1	A
PCBs, Total	873		ug/kg	93.4	8.30	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-02 **D**
Client ID: 2A-D WEST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 09:40
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	470	41.8	5	A
Aroclor 1221	ND		ug/kg	470	47.2	5	A
Aroclor 1232	ND		ug/kg	470	99.8	5	A
Aroclor 1242	ND		ug/kg	470	63.4	5	A
Aroclor 1248	ND		ug/kg	470	70.6	5	A
Aroclor 1254	ND		ug/kg	470	51.5	5	A
Aroclor 1260	1430		ug/kg	470	87.0	5	B
Aroclor 1262	ND		ug/kg	470	59.8	5	A
Aroclor 1268	ND		ug/kg	470	48.8	5	A
PCBs, Total	1430		ug/kg	470	41.8	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-03 **D**
Client ID: 3A-D WEST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 09:49
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	494	43.9	5	A
Aroclor 1221	ND		ug/kg	494	49.5	5	A
Aroclor 1232	ND		ug/kg	494	105.	5	A
Aroclor 1242	ND		ug/kg	494	66.6	5	A
Aroclor 1248	ND		ug/kg	494	74.1	5	A
Aroclor 1254	ND		ug/kg	494	54.0	5	A
Aroclor 1260	1250		ug/kg	494	91.3	5	B
Aroclor 1262	ND		ug/kg	494	62.8	5	A
Aroclor 1268	ND		ug/kg	494	51.2	5	A
PCBs, Total	1250		ug/kg	494	43.9	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-04
Client ID: 4A-E SOUTH
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:45
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 05:15
Analyst: AD
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	85.3	7.58	1	A
Aroclor 1221	ND		ug/kg	85.3	8.55	1	A
Aroclor 1232	ND		ug/kg	85.3	18.1	1	A
Aroclor 1242	ND		ug/kg	85.3	11.5	1	A
Aroclor 1248	ND		ug/kg	85.3	12.8	1	A
Aroclor 1254	ND		ug/kg	85.3	9.34	1	A
Aroclor 1260	853		ug/kg	85.3	15.8	1	A
Aroclor 1262	ND		ug/kg	85.3	10.8	1	A
Aroclor 1268	ND		ug/kg	85.3	8.84	1	A
PCBs, Total	853		ug/kg	85.3	7.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	146		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-05 **D**
Client ID: 5A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:00
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 09:57
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	453	40.2	5	A
Aroclor 1221	ND		ug/kg	453	45.4	5	A
Aroclor 1232	ND		ug/kg	453	96.1	5	A
Aroclor 1242	ND		ug/kg	453	61.1	5	A
Aroclor 1248	ND		ug/kg	453	68.0	5	A
Aroclor 1254	ND		ug/kg	453	49.6	5	A
Aroclor 1260	1260		ug/kg	453	83.8	5	B
Aroclor 1262	ND		ug/kg	453	57.6	5	A
Aroclor 1268	ND		ug/kg	453	47.0	5	A
PCBs, Total	1260		ug/kg	453	40.2	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-06
Client ID: 6A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 05:38
Analyst: AD
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	86.2	7.66	1	A
Aroclor 1221	ND		ug/kg	86.2	8.64	1	A
Aroclor 1232	ND		ug/kg	86.2	18.3	1	A
Aroclor 1242	ND		ug/kg	86.2	11.6	1	A
Aroclor 1248	ND		ug/kg	86.2	12.9	1	A
Aroclor 1254	ND		ug/kg	86.2	9.44	1	A
Aroclor 1260	596		ug/kg	86.2	15.9	1	A
Aroclor 1262	ND		ug/kg	86.2	11.0	1	A
Aroclor 1268	ND		ug/kg	86.2	8.94	1	A
PCBs, Total	596		ug/kg	86.2	7.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-07
Client ID: 7A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:15
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 05:50
Analyst: JM
Percent Solids: 100%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	92.9	8.25	1	A
Aroclor 1221	ND		ug/kg	92.9	9.31	1	A
Aroclor 1232	ND		ug/kg	92.9	19.7	1	A
Aroclor 1242	ND		ug/kg	92.9	12.5	1	A
Aroclor 1248	ND		ug/kg	92.9	13.9	1	A
Aroclor 1254	ND		ug/kg	92.9	10.2	1	A
Aroclor 1260	1080		ug/kg	92.9	17.2	1	A
Aroclor 1262	ND		ug/kg	92.9	11.8	1	A
Aroclor 1268	ND		ug/kg	92.9	9.62	1	A
PCBs, Total	1080		ug/kg	92.9	8.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-08
Client ID: 8A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 06:02
Analyst: AD
Percent Solids: 100%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	86.4	7.67	1	A
Aroclor 1221	ND		ug/kg	86.4	8.66	1	A
Aroclor 1232	ND		ug/kg	86.4	18.3	1	A
Aroclor 1242	ND		ug/kg	86.4	11.6	1	A
Aroclor 1248	ND		ug/kg	86.4	13.0	1	A
Aroclor 1254	ND		ug/kg	86.4	9.45	1	A
Aroclor 1260	746		ug/kg	86.4	16.0	1	A
Aroclor 1262	ND		ug/kg	86.4	11.0	1	A
Aroclor 1268	ND		ug/kg	86.4	8.95	1	A
PCBs, Total	746		ug/kg	86.4	7.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-09 **D**
Client ID: 9A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:25
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 10:11
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1780	158.	20	A
Aroclor 1221	ND		ug/kg	1780	179.	20	A
Aroclor 1232	ND		ug/kg	1780	378.	20	A
Aroclor 1242	ND		ug/kg	1780	240.	20	A
Aroclor 1248	ND		ug/kg	1780	267.	20	A
Aroclor 1254	ND		ug/kg	1780	195.	20	A
Aroclor 1260	16800		ug/kg	1780	329.	20	B
Aroclor 1262	ND		ug/kg	1780	226.	20	A
Aroclor 1268	ND		ug/kg	1780	185.	20	A
PCBs, Total	16800		ug/kg	1780	158.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-10 **D**
Client ID: 10A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 10:04
Analyst: JAW
Percent Solids: 98%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	459	40.7	5	A
Aroclor 1221	ND		ug/kg	459	46.0	5	A
Aroclor 1232	ND		ug/kg	459	97.3	5	A
Aroclor 1242	ND		ug/kg	459	61.8	5	A
Aroclor 1248	ND		ug/kg	459	68.8	5	A
Aroclor 1254	ND		ug/kg	459	50.2	5	A
Aroclor 1260	6880		ug/kg	459	84.8	5	B
Aroclor 1262	ND		ug/kg	459	58.3	5	A
Aroclor 1268	ND		ug/kg	459	47.5	5	A
PCBs, Total	6880		ug/kg	459	40.7	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-11 D
Client ID: 11A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:40
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 10:19
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1900	169.	20	A
Aroclor 1221	ND		ug/kg	1900	190.	20	A
Aroclor 1232	ND		ug/kg	1900	403.	20	A
Aroclor 1242	ND		ug/kg	1900	256.	20	A
Aroclor 1248	ND		ug/kg	1900	285.	20	A
Aroclor 1254	ND		ug/kg	1900	208.	20	A
Aroclor 1260	22400		ug/kg	1900	351.	20	B
Aroclor 1262	ND		ug/kg	1900	242.	20	A
Aroclor 1268	ND		ug/kg	1900	197.	20	A
PCBs, Total	22400		ug/kg	1900	169.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-12
Client ID: 12A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:50
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 06:49
Analyst: AD
Percent Solids: 98%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	98.2	8.72	1	A
Aroclor 1221	ND		ug/kg	98.2	9.84	1	A
Aroclor 1232	ND		ug/kg	98.2	20.8	1	A
Aroclor 1242	ND		ug/kg	98.2	13.2	1	A
Aroclor 1248	ND		ug/kg	98.2	14.7	1	A
Aroclor 1254	ND		ug/kg	98.2	10.7	1	A
Aroclor 1260	886		ug/kg	98.2	18.2	1	A
Aroclor 1262	ND		ug/kg	98.2	12.5	1	A
Aroclor 1268	ND		ug/kg	98.2	10.2	1	A
PCBs, Total	886		ug/kg	98.2	8.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-13
Client ID: WINDOW C1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:30
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 22:36
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	ND		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	ND		ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-14
Client ID: WINDOW C2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:32
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 22:48
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.153	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.098	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.251	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-15
Client ID: TRANSFORMER A1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:00
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.771		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.279	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	1.05	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-16
Client ID: TRANSFORMER A2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:40
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:12
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.901		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.901		ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-17
Client ID: TRANSFORMER A3
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:42
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:24
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.113	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.113	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-18
Client ID: UTILITY BOX D
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:50
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:36
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.342	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.165	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	0.507	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-19
Client ID: S I-BEAM WEST SIDE 1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:51
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:47
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.471	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.202	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.673	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-20
Client ID: S I-BEAM WEST SIDE 2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:52
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:59
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.450	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.188	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.638	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-21
Client ID: S I-BEAM W SIDE 3
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:53
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:11
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.496	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.173	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	0.669	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-22
Client ID: S I-BEAM W SIDE 4
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:54
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:23
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.585		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.203	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	0.788	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-23
Client ID: S I-BEAM W SIDE 5
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:55
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:35
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.123	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.060	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.183	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-24
Client ID: N I-BEAM W SIDE 1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:56
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:47
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.164	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.078	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.242	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-25
Client ID: N I-BEAM W SIDE 2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:57
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:59
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.292	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.096	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.388	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-26
Client ID: N I-BEAM W SIDE 3
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:58
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 01:11
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	ND		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	ND		ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-27
Client ID: N I-BEAM W SIDE 4
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:59
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 01:23
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.452	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.173	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.625	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/10/20 22:00
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 13-27 Batch: WG1390460-1						
Aroclor 1016	ND		ug/100cm2	0.500	0.044	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	A
Aroclor 1260	ND		ug/100cm2	0.500	0.092	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	A
PCBs, Total	ND		ug/100cm2	0.500	0.044	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 07/13/20 04:04
 Analyst: AD

Extraction Method: EPA 3540C
 Extraction Date: 07/12/20 00:55
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/12/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-12 Batch: WG1391227-1						
Aroclor 1016	ND		ug/kg	95.2	8.46	A
Aroclor 1221	ND		ug/kg	95.2	9.54	A
Aroclor 1232	ND		ug/kg	95.2	20.2	A
Aroclor 1242	ND		ug/kg	95.2	12.8	A
Aroclor 1248	ND		ug/kg	95.2	14.3	A
Aroclor 1254	ND		ug/kg	95.2	10.4	A
Aroclor 1260	ND		ug/kg	95.2	17.6	A
Aroclor 1262	ND		ug/kg	95.2	12.1	A
Aroclor 1268	ND		ug/kg	95.2	9.87	A
PCBs, Total	ND		ug/kg	95.2	8.46	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	111		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BLDG 8, FORMER A.F. BASE S1

Lab Number: L2028529

Project Number: 2161937.049

Report Date: 07/14/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 13-27 Batch: WG1390460-2 WG1390460-3									
Aroclor 1016	77		73		40-140	5		50	A
Aroclor 1260	70		67		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		75		30-150	A
Decachlorobiphenyl	74		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		74		30-150	B
Decachlorobiphenyl	73		69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BLDG 8, FORMER A.F. BASE S1

Lab Number: L2028529

Project Number: 2161937.049

Report Date: 07/14/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1391227-2 WG1391227-3									
Aroclor 1016	98		100		40-140	2		50	A
Aroclor 1260	107		111		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		106		30-150	A
Decachlorobiphenyl	129		137		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		105		30-150	B
Decachlorobiphenyl	111		115		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-01
Client ID: 1A-E NORTH
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.1		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-02
Client ID: 2A-D WEST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.3		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-03
Client ID: 3A-D WEST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.2		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-04**Client ID:** 4A-E SOUTH**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 10:45**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.3		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-05**Client ID:** 5A-D EAST**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:00**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.2		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-06
Client ID: 6A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.1		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-07**Client ID:** 7A-C INTERIOR**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:15**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.5		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-08
Client ID: 8A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.6		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-09
Client ID: 9A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:25
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.1		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-10**Client ID:** 10A-C FLOOR**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:35**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-11
Client ID: 11A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:40
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.2		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-12**Client ID:** 12A-C FLOOR**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:50**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.9		%	0.100	NA	1	-	07/08/20 16:26	121,2540G	SB



Lab Duplicate Analysis*Batch Quality Control***Project Name:** BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1390068-1 QC Sample: L2028517-01 Client ID: DUP Sample						
Solids, Total	95.2	95.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG1390097-1 QC Sample: L2028529-12 Client ID: 12A-C FLOOR						
Solids, Total	97.9	97.6	%	0		20

Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2028529-01A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-01B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-02A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-02B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-03A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-03B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-04A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-04B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-05A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-05B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-06A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-06B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-07A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-07B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-08A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-08B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-09A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-09B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-10A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-10B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-11A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-11B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-12A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)

Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2028529-12B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-13A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-14A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-15A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-16A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-17A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-18A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-19A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-20A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-21A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-22A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-23A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-24A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-25A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-26A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-27A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)

Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name: BLDG 8, FORMER A.F. BASE S1
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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: BLDG 8, FORMER A.F. BASE S1
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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-0220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 3 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 100		Page 2 of 3		Date Rec'd in Lab 7/8/20		ALPHA Job # L2078529																																																																																																																																																																																																																																									
Client Information Client: LaBella Associates Address: 300 State St. Suite 201 Rochester, NY 14614 Phone: (607) 591-7516 Fax: Email: cstamp@labellapc.com		Project Information Project Name: Building 8, Former Air Force Base 51 Project Location: 4777 Dewey Ave, Rochester NY 14612 Project # 2161937, 049 (Use Project name as Project #) ☒ Project Manager: Terrad Miner ALPHAQuote #: Turn-Around Time: Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUS (1 File) ☐ EQUS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWW Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																																																																																																							
Those samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		ANALYSIS NY TCL-8052 TS		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)		Sample Specific Comments		T O C A I B O D I L E																																																																																																																																																																																																																																									
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 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-856-9229 FAX: 508-856-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 100		Page 2 of 3		Date Rec'd in Lab 7/8/20		ALPHA Job # 62028529											
Client Information Client: Address: Phone: Fax: Email:		Project Information Project Name: Project Location: Project #: (Use Project name as Project #) ☐ Project Manager: ALPHAQuote #: Turn-Around Time: Standard ☐ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUS (1 File) ☐ EQUS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:									
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		-12		12A-C Floor		1150		Concrete		CS		✓		✓		2			
		-13		Window C2		0930		W		CS				✓		1			
		-14		Window C2		0932				CS				✓		2			
		-15		Transformer A2		0935				CS				✓		1			
		-16		Transformer A2		0940				CS				✓		1			
		-17		Transformer A3		0942				CS				✓		2			
		-18		Utility Box D		0950				CS				✓		1			
		-19		S I-Beam West Side 1		0951				CS				✓		1			
		-20		S I-Beam West Side 2		0952				CS				✓		1			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ I/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encone D = BOD Bottle		Westboro: Certification No: MA035 Mansfield: Certification No: MA015		Container Type Preservative		A P A A A O		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)		Relinquished By: Date/Time		Received By: Date/Time		Relinquished By: Date/Time		Received By: Date/Time	
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 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Main St. TEL: 508-896-8220 FAX: 508-896-8185		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 100		Page 3 of 3		Date Rec'd in Lab 7/8/20		ALPHA Job # 12028529	
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These samples have been previously analyzed by Alpha: ☐		Please specify Metals or TAL.		Sample Specific Comments		Sample Specific Comments		Sample Specific Comments	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Time	Sample Matrix	Sampler's Initials				
28529-21	SI-Beam W Side 3	7-7	0953	W	CS	✓			1
28529-22	SI-Beam W Side 4	7-7	0954	W	CS	✓			1
28529-23	SI-Beam W Side 5		0955	W	CS	✓			1
28529-24	NI-Beam W Side 1		0956	W	CS	✓			1
28529-25	NI-Beam W Side 2		0957	W	CS	✓			1
28529-26	NI-Beam W Side 3		0958	W	CS	✓			1
28529-27	NI-Beam W Side 4		0959	W	CS	✓			1
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn AcNaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Beaker Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA835 Mansfield: Certification No: MA015		Container Type A		Preservative O	
Relinquished By: RCummins/KAM AAL		Date/Time 7/7/20 19:00		Received By: RCummins/KAM AAL		Date/Time 7/7/20 17:00		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	

Appendix E

Licenses and Certifications

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

LaBella Associates, D.P.C.
Suite 201
300 State Street
Rochester, NY 14614

FILE NUMBER: 99-1172
LICENSE NUMBER: 29278
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 02/06/2020
EXPIRATION DATE: 02/28/2021

Duly Authorized Representative – Greg Senecal

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

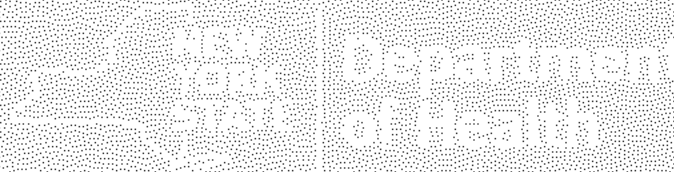
MR. MATTHEW SMITH
LABELLA ASSOCIATES
300 STATE STREET SUITE 200
ROCHESTER, NY 14614

NY Lab Id No: 11184

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)



Serial No.: 61301

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2020
Issued April 01, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

NY Lab Id No: 10920

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total EPA 7000B

Miscellaneous

Asbestos in Friable Material Item 198.1 of Manual
EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM Item 198.4 of Manual
Lead in Dust Wipes EPA 7000B
Lead in Paint EPA 7000B

Sample Preparation Methods

ASTM E-1979-17

Department
of Health

Serial No.: 59486

Property of the New York State Department of Health. Certificates are valid only at the address shown; must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

United States Environmental Protection Agency

This is to certify that

Labella Associates, D.P.C.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires September 26, 2021

LBP-2226-1

Certification #

September 04, 2018

Issued On



Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

United States Environmental Protection Agency

This is to certify that



Cory J Stamp

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires October 24, 2022

LBP-R-I206349-1

Certification #

October 10, 2019

Issued On

John Gorman, Chief

Pesticides & Toxic Substances Branch





AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Schneider Laboratories Global, Inc

2512 West Cary Street, Richmond, VA 23220-5117

Laboratory ID: 100527

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

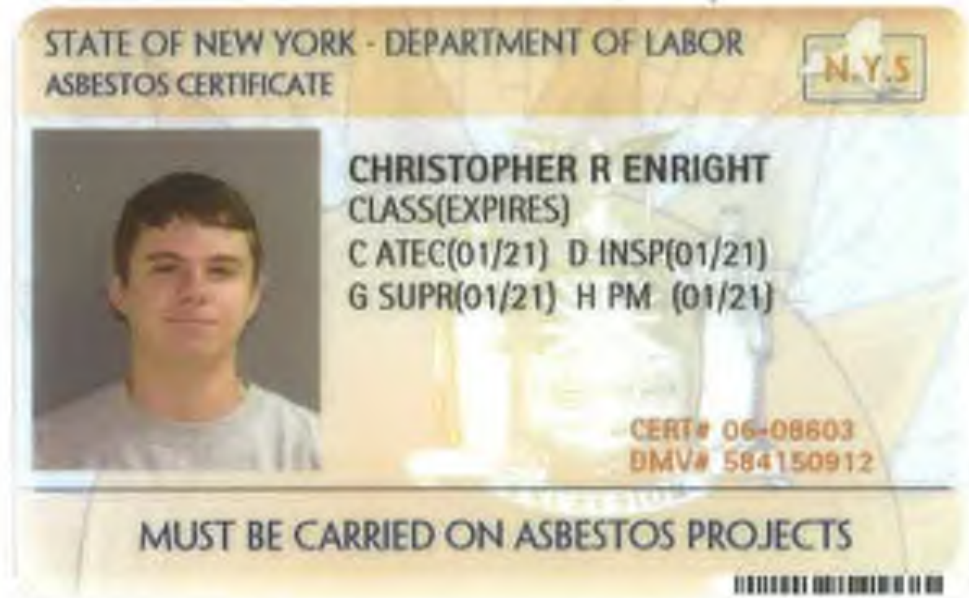
LABORATORY ACCREDITATION PROGRAMS

☒ INDUSTRIAL HYGIENE	Accreditation Expires: July 01, 2021
☒ ENVIRONMENTAL LEAD	Accreditation Expires: July 01, 2021
☒ ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: July 01, 2021
☐ FOOD	Accreditation Expires:
☐ UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC



Appendix F
PCB Sampling Plan
(HDR Engineering, Inc.)

**PCB SAMPLING PLAN
FORMER AIR FORCE PLANT 51 – BUILDING #8
(NYSDEC Site Number 828156)**

**PREPARED FOR
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BUREAU OF ENVIRONMENTAL REMEDIATION
625 BROADWAY
ALBANY, NEW YORK 12233**

**Prepared by
Henningson, Durham & Richardson Architecture and Engineering, P.C.
in association with HDR Engineering, Inc.**

1 International Boulevard
Mahwah, NJ 07495

Date: April 22, 2020

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1.0 INTRODUCTION

This sampling plan has been prepared by Henningson, Durham & Richardson Architecture and Engineering, P.C., in association with HDR Engineering, Inc. (HDR) on behalf of the New York State Department of Environmental Conservation (NYSDEC) to further assess PCB impacts at Building #8 at the Former Air Force Plant 51 (AFP51) site in Greece, New York. This sampling plan considers the U.S. Environmental Protection Agency (EPA) guidance for sampling per 40 CFR Part 761.61(a)(3) in its sampling approach. Implementation of this plan will provide information needed to implement the proposed demolition of Building #8 to the existing slab grade. As such, this plan focuses on the existing Building #8 structure and building materials, along with the floor slab surface. Pending sampling results, the building slab may remain in place or be removed with potential excavation and off-site disposal of sub-slab soils in the future. As described herein, HDR will fully inventory the status and condition of building materials during the proposed sampling event and identify needs for lead-based paint (LBP) and asbestos-containing materials (ACM) surveys of the building that are anticipated to also be required for demolition planning purposes.

As part of NYSDEC Contract D007625, Work Assignment #8, NYSDEC has authorized HDR to prepare and implement this sampling plan to further assess PCB impacts associated with Building #8. Remediation (demolition) support is scoped under Work Assignment #24 (pre-demolition LBP and ACM survey work may also be conducted under Work Assignment #24). Building #8 is part of Operable Unit 2 (OU2), at AFP51 (Figure 1). In 2009, the NYSDEC listed the AFP51 site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. A Class 2 site is a site where hazardous waste presents a significant threat to the public health or the environment and action is required.

2.0 SITE BACKGROUND AND HISTORY

2.1 Site Location and Description

The AFP51 site consists of an approximately 33.6-acre property (addressed as 4777 Dewey Avenue) located in the Town of Greece, New York. It is situated within the tax parcel identified as Block Section 046.01 Block 1 Lot 2.112 on the Monroe County Real Property Portal. Surrounding land use consists of commercial and residential use to the east, undeveloped wooded upland areas to the south, and wooded upland areas leading to wetlands and Round Pond Creek to the west. The Monroe County Water Authority (MCWA) Shoremont Water Treatment Plant is located immediately north of the site and includes remnants of a man-made channel that formerly connected the site to Round Pond and Lake Ontario.

The AFP51 site is currently unoccupied and inactive but remains zoned as light industrial. It includes several large and mid-sized buildings and slabs surrounded by paved areas, roadways, and open fields. Access to portions of the site is controlled by a wire gate. Figure 2 shows an aerial image of the site, with property boundaries, current and demolished buildings and slabs, and other reference features.

Building #8 is located along the western edge of the slab of former Building #1, within the OU2 portion of the site. Building #8 was likely constructed at the same time as Building #1, as it served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switchgear for the Rochester Gas & Electric Co. electric feeder, a 600 KVA oil filled transformer bank housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. Transformers remain on a concrete pad located on the west side of the building. These systems have been decommissioned and are no longer in use.

The general dimensions of Building #8 are approximately 48 feet by 25 feet and cover an approximate area of 1,200 square feet. It is a single story building that contains a single large room with a semi-partitioned portion located along the northeastern wall. The construction materials include cinderblock walls supported by horizontal steel I-beams, a concrete slab floor, and corrugated metal roofing overlain with plywood and tar roofing materials. The semi-partitioned area is the transformer vault, measuring 19 feet by 10 feet, and is composed of cinderblocks, metallic grates, and metallic grate door. Three 200 KVA transformers with “No PCB” stickers, indicating prior PCB removal, are present within this vault (Figure 3). Miscellaneous other materials are noted to exist (e.g., window glaze and caulking; possible painted surfaces) in various conditions. Photographs of Building #8 which were taken in October 2017 are included in the 2017 Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (dated April 3, 2019).

Building #8 has two sets of windows, each measuring 9.25 feet in length and located along the northern half of the western wall. The primary entrance way is located on the southern wall and is partially boarded up with plywood. Two large ventilation hoods are located along the central ridge of the roof, with a smaller exhaust vent serving a now-decommissioned gas fired space heater located along the northern wall.

Several trenches / potential open floor drains are within the concrete floor slab as shown on Figure 3. The largest trench measured approximately two feet across, approximately two feet deep, and runs horizontally from the center portion of the eastern wall to the center of the room. It contains several utility conduits that either trend the length of the conduit or deviate into the concrete retaining wall of the trench and likely continue either as a sub-slab or internal slab conduit. This utility trench continues towards the former Building #1, and was visible during an outside examination of the eastern wall. Additional utility trenches / potential open floor drains exist alongside the southern half of the eastern wall, in front of the battery rack, and within the transformer area as shown on Figure 3. The three transformers present within the transformer cage each contain gateway valves located over the trench, with the trench itself filled with water. Several conduits not contained within utility trenches daylight alongside the western wall and southwestern corner. The terminus of a vast majority of these conduits, whether contained within a utility trench or as a stand-alone sub-slab or interior slab conduit outside Building #8 is unknown.

Based on measurements taken during HDR's screening-level sampling event in October 2017, the concrete slab has variable thickness measuring 10-inches to >18-inches. The thickness of the concrete may exceed 24 inches, based on the depths of open pipe trenches and floor drains observed within Building #8.

Several areas of Building #8 have suspect structural integrity. There is structural damage in the northeast corner of the building sustained during demolition activities of Building #1. Plywood and two-by-four wood beams in that corner provide temporary walls and structural reinforcement. Several vertical fractures in the cinderblock exist along the eastern wall and southern walls where the cinderblock connects with the steel I-beams. Lastly, the roof has several large holes, which daylight (and wildlife) easily penetrates.

In terms of non-structural features, plywood and polyethylene sheets, placed during remedial efforts under the Voluntary Cleanup Program, cover a portion of the Building #8 floor (Figure 3). Electric fuse boxes are present along the walls. A metallic battery rack is present in the northwestern corner with a notable yellow discoloration in the concrete slab beneath this rack. Assorted household debris (e.g., bottles of spray adhesive, old cardboard, tape reels), C&D debris, and fecal matter from nesting birds litter each surface of Building #8 in varying amounts.

2.2 Site History/Past Activities

The manufacturing facility was first owned and operated by the Odenbach Shipbuilding Corporation following its construction in 1942. It has since been occupied by numerous industrial/commercial facilities, including the U.S. government, the A.O. Smith Company, the American Machine and Foundry (AMF), and other private entities.

The plant was originally developed during world war (WW) II by the Odenbach Shipbuilding Corporation to build ocean-going ships. To launch the ships, a man-made, water-filled channel was dredged from the north end of the Building #1, which served as the shipyard, to Round Pond Creek. Today, the remaining portion of the channel (see Figure 2) is owned by the neighboring MCWA Shoremont Water Treatment Plant and used as a settling pond for sediments generated

from filter backwashing. No active discharges from the site to the channel are believed to occur at the current time.

After WWII, the plant was used by the U.S. Department of Defense (DoD) to produce B-52 bulkheads. At that time, the name of the facility was changed to “Air Force Plant 51”. Records indicate that the A.O. Smith Corporation and the American Machine and Foundry (AMF) Company occupied the site in the 1950s. In 1959, the facility was declared excess by the U.S. government. From 1961 to 1963, the property was owned by the MCWA. Since 1963, the facility has been owned by corporate relatives of the current owner, with space leased to a variety of businesses that have included scrap metal recycling and metal plating. Additional information on the site history is presented in the Final Technical Memorandum for Building #8 (HDR, April 2019).

In 2001, the current owner of the property entered the Voluntary Cleanup Program (VCP) to investigate and remediate chemical contamination related to the site. From 2001 to 2008, the owner completed a number of investigations and remediation activities at the site.

In January 2009, the owner ended their participation in the VCP. The site is now being addressed by DEC's Inactive Hazardous Waste Disposal Site program. DEC is currently implementing a remedial program at the site while continuing to identify and pursue parties who are potentially responsible for the contamination in order to recover remediation costs.

2.3 Site Ownership

The former AFP51 site is currently owned by 4800 Dewey Avenue Enterprises, Inc. (Mr. Louis Atkin). It is currently available for sale. The property was put up for auction in 2019, with no apparent offers.

2.4 Current and Proposed Site Uses

The site is currently unoccupied and inactive. As such, there is no proposed site use at this time. Future use of the former AFP51 site is anticipated to remain commercial/industrial, although ownership and specific site development activities might vary in the future.

2.5 Prior Investigation Activities –Building #8

Limited investigative activities were had been conducted to evaluate the presence of contaminants within and beneath Building #8. More recently, multi-media sampling was conducted by HDR to evaluate the extent of contamination for consideration of IRM options or building demolition. It is noted that the HDR October 2017 field investigation is considered as screening-level in support of building demolition; additional data collection is proposed herein and also will likely be required for waste classification and remedy implementation activities.

2.5.1 December 2001 NYSDEC Investigation

On December 3, 2001, the NYSDEC, Monroe County Health Department and Day Environmental, Inc. conducted a site tour and observed the following items inside Building #8:

- Containers of Chlorextol (containing PCBs) and other unlabeled containers of liquid
- Several transformers (with drain valves to drain liquids from the transformer)
- A bank of batteries

The NYSDEC required that all waste materials, including transformer fluids be characterized and any hazardous wastes be properly removed and disposed at a licensed hazardous waste disposal facility by March 6, 2002. Refer to Appendix B in the Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (HDR; April 3, 2019) for historical photographs Building #8, which were taken in December 2001.

According to a January 13, 2009 letter by Paul Hastings, Attorneys on behalf of 4800 Dewey Avenue, to the NYSDEC, a chemical material inventory was completed as part of the New York State Voluntary Cleanup Program (VCP), and inventoried materials were characterized, removed, and disposed off-site (including glass containers of Chlorextol/PCB transformer fluid, electrical equipment, some transformers, and batteries). Plastic sheeting and plywood was installed on the floor of Building #8, the access door was boarded up, and PCB signage was installed on the building's exterior. The waste material inventory is documented in a 2001 Day Environmental report.

2.5.2 January 2005 Day Environmental Independent Study

Based on Day's December 2004 progress report, two concrete chip samples and one wipe sample were collected within Building #8 for PCB laboratory analysis. Refer to Figure 3 for historical sampling locations. No additional details regarding sample collection methods were provided in the progress report. The laboratory analytical report indicated the following sample results for Building #8:

- CC-03: Aroclor-1260 = 660 ug/kg (or 0.66 parts per million - ppm)
- CC-04: Aroclor-1260 = 67,000 E ug/kg (dilution factor = 10) (or 67 ppm)
- WP-03: Aroclor-1260 = 13 ug/wipe (or 0.013 ppm/wipe)

Prior documents identified a historical concrete core sample was collected inside Building #8 with PCBs detected at a concentration of 88 ppm, as reported in a NYSDEC power point presentation. The location of this sample is believed to be the CC-04 sample prior to its dilution.

Day also collected concrete chip samples from a transformer pad outside Building #8, at its south side. These samples, identified as DAYCC-01 and DAYCC-02, were reported to have PCB concentrations at 40 ug/kg and 65 ug/kg, respectively. Wipe samples were also collected from transformers that were located within Building #1. Sample WP-01 was collected from a transformer on the western side of the north portion of Building #1 whereas WP-02 was collected

from a transformer on the western side of the south portion of Building #1. PCB results of the WP-01 and WP-02 samples were non-detect and 13 ug/wipe, respectively.

2.5.3 May 2008 Day Environmental Site Investigation

Based on the information provided in Day's May 30, 2008 Environmental Site Investigation Report for work performed between 2004 and 2007, no additional samples were collected from Building #8 during this interval. However, on December 2, 2004, Day collected a sediment sample from nearby CB-3, the closest catch basin to Building #8, which was split with NYSDEC. Aroclor-1268 and Aroclor-1260 was detected at a concentrations of 57,000 ug/kg (57 mg/kg) in the NYSDEC split CB-3 sediment sample and 16,000 ug/kg (16 mg/kg) in the Day CB-3 sediment sample, respectively (the 1268 PCB aroclor was not requested by Day during this sampling event). Other samples collected by Day in the immediate vicinity of Building #8 include the following:

- TP2-2, located north of Building #8. The subsurface soil sample, collected at 1 foot below ground surface (bgs), exhibited a concentration of 120 ug/kg (0.12 mg/kg) of Aroclor-1260.
- TP2-15A, located northwest of Building #8. The subsurface soil sample, collected at 8 feet bgs, was non-detect for PCBs.
- TP2-1, located south/southwest of Building #8. The subsurface soil sample, collected at 1-2 feet bgs, was non-detect for PCBs.
- SS2-1, located south/southwest of Building #8. The surface soil sample, collected at 0-2 inches, was non-detect for PCBs.
- TB2-17 and TB2-18, north/northwest of Building #8, respectively. Both were non-detect for PCBs.

2.5.4 HDR Building #8 Investigation (2017)

In October 2017, HDR conducted a multi-media sampling event within Building #8 to provide a preliminary characterization of potential contamination, and to evaluate a potential demolition IRM. Four concrete chip samples, four PCB wipe samples, three soil / unconsolidated material samples, and one aqueous sample were collected and submitted for laboratory analysis. All samples were analyzed for PCBs, with a subset undergoing additional analysis of Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), pesticides, Target Analyte List (TAL) metals, mercury, and cyanide. Soil results were compared to the Part 375 Unrestricted Use, Commercial and Industrial Soil Cleanup Objectives (SCOs).

Laboratory analytical results from this field event are included in the Final Technical Memorandum for Building #8 (dated April 3, 2019). The sample locations and laboratory results are also included on Figure 3 of this plan. A photo log of each sample location are provided in Appendix A of the Final Technical Memorandum. Information provided in the photo log includes the corresponding Letter ID shown in the photograph captions and Figure 3 sample ID.

2.5.4.1 Concrete Chip Sampling

Four surfaces / areas were selected for concrete chip collection and laboratory analysis. Prior to sample collection, HDR personnel manually cleared any debris present on each of the surfaces selected for sample collection. Using a rotary impact hammer drill, HDR personnel drilled several 0.5-inch deep holes, producing a finely ground concrete powder that was aggregated and homogenized in a stainless steel bowl. This produced a composite sample representative of the surface / area identified for characterization. Volume requirements for laboratory analysis necessitated drilling multiple 0.5-inch holes, since a single hole would not produce enough powder to satisfy laboratory requirements. Decontamination of the drill bit and stainless steel bowl occurred via alconox and clean water rinse prior to shifting sampling locations.

The four locations were (A) the concrete slab directly in front of the water-filled trench within the transformer cage; (B) the concrete slab directly in front of the battery rack; (C) the north wall of the transformer cage; and (D) the concrete slab and few inches above the bottom of the western and southern walls. The (D) sample provided a general characterization of the building while (A) through (C) focused on areas likely to contain PCB contamination.

PCBs were detected in each of the four samples / locations. Concentrations of Aroclor-1260 were reported at 0.25 mg/kg at the (A) sampling location, 1.1 mg/kg at the (B) sampling location, 0.75 mg/kg at the (C) sampling location, and 0.54 mg/kg at the (D) sampling location.

2.5.4.2 PCB Wipe Sampling

Four surfaces were selected for PCB wipe collection and laboratory analysis. Prior to sample collection, HDR personnel identified a 100 square centimeter (cm²) area on each of the non-porous surfaces selected for sample collection. Using individual laboratory-provided hexane-treated gauze, HDR personnel wiped each 100 cm² area in three horizontal swiping motions and three vertical swiping motions, taking care to apply uniform pressure during each swipe.

The four locations were (E) the side of the metal platform, facing the gateway valve, on which Transformer #1 sits; (F) the side of the metal platform, facing the gateway valve, on which Transformer #2 sits; (G) the top of the metal platform on which Transformer #3 sits; and (H) the space between Transformers #2 and #3.

PCBs were detected in three of the four samples / locations. Concentrations of Aroclor-1260 were 4.7 ug/Wipe at the (E) sampling location, 3.1 ug/Wipe at the (G) sampling location, and 5.8 ug/Wipe at the (H) sampling location. In addition, Aroclor-1254 was detected at the (G) sampling location with a concentration of 2.2 ug/Wipe. The (F) sampling location was non-detect for PCBs.

2.5.4.3 Soil & Unconsolidated Material Sampling

Three locations were selected for soil / unconsolidated material analysis. Initially, two samples would characterize sub-surface soils and one sample would characterize the unconsolidated materials contained within a floor trench. However, due to constraints related to the variable thickness of the concrete slab, this effort shifted to providing one sub-slab sample, one floor trench

sample, and one sample of exterior soils located immediately adjacent to Building #8 at the same approximate depth of 0.5 feet bgs as the sub-slab point. This new third sampling location would provide a control / comparison point for sub-slab soils relative to exterior soils. The soil samples were analyzed for the full contaminant list of TCL VOCs, TCL SVOCs, PCBs, pesticides, TAL metals, mercury, and cyanide. Each sample was collected via stainless steel hand auger and homogenized in-situ or via stainless steel bowl.

The three locations were (I) the sub-slab soils cored through the concrete slab at the entrance of the semi-partitioned transformer cage; (J) the floor trench in front of the battery rack; and (K) directly outside of the windows in the northwest corner (refer to Figure 3 for a summary of sample locations).

PCBs were detected in the sample collected from the floor trench (J) location. The concentration of Aroclor-1260 at this location was 150 mg/kg, with a duplicate sample containing a concentration of 190 mg/kg. Both concentrations exceed the Industrial SCO of 25 mg/kg for PCBs. The sub-slab and exterior soils were non-detect for PCBs.

Analytical results of the sub-slab (I) and exterior (K) soils were generally similar with the exception that the exterior sample (K) contained a trace amount of tetrachloroethene (0.0025 mg/kg) and several poly aromatic hydrocarbons (PAHs) (0.3 to 0.48 mg/kg) whereas the sub-slab (I) soil did not. When compared to the Part 375 SCOs, the exterior sample (K) contained concentrations of lead, nickel, zinc, and p,p-DDT in exceedance of the Unrestricted Use SCO while the sub-slab (I) soil contained concentrations of nickel in exceedance of the Unrestricted Use SCO. There were no exceedances of the Commercial or Industrial Use SCOs for sub slab (I) or exterior (K) soil sample results.

2.5.4.4 Aqueous Sampling

One aqueous sample was selected for laboratory analysis. Prior to the sampling effort, HDR personnel determined based on the hydrophobic nature of PCBs, that if standing water observed within Building #8 were to contain PCBs, it would have the potential to reveal considerable contamination in the area containing that water and would warrant inclusion of the aqueous sample in the sampling effort.

The one aqueous sample location was (L) the water-filled trench directly in front of the three transformers within the transformer cage. PCBs were detected in the aqueous sample with Aroclor-1260 detected at 0.78 microgram per liter (ug/L) or parts per billion (ppb). Although the trench contains water, the integrity of the trench is not known and further evaluation is needed.

Investigation Summary of Building #8: Historical data and the October 2017 investigation results indicate that PCBs exist at concentrations >50 ppm and <500 ppm in concrete chip and wipe samples collected in the vicinity of the former transformers, and in concrete chip samples collected in the southwestern and southern portions of Building #8. PCBs were also identified in the floor trench, south of the battery rack at concentrations >50 ppm and <500 ppm. Very low concentrations of PCBs (0.78 ppb) were detected in the aqueous sample from the water filled transformer trench. One sub-slab soil sample and one exterior soil sample were obtained from

Building #8, both of which did not indicate the presence of PCBs in soil. However, in the absence of sufficient soil data and the unknown nature of the subsurface beneath the plywood/poly sheeting area in the central portion of the building beneath the transformer pad area and the trenches, impacted soil may be present beneath the building slab.

Based on HDR's analysis of investigation data and historical PCB usage within Building #8, an IRM appears to be applicable for the Building #8 area. Demolition to address PCB-contaminated and non-impacted building materials, and removal of the former transformers and battery rack and other materials down to the floor slab, will remedy potential contaminant sources. Based on observations, the roof materials may contain asbestos-containing material (ACM). Additionally, due to the age of the building, lead based paint (LBP) may also be present. HDR notes that this sampling plan was developed to focus on the demolition of the building itself (down to the slab on grade, but not removing the slab). It is understood that assessment and removal/remediation (if necessary) of the floor slab and sub-slab soils / piping will be further considered at a future time.

3.0 NATURE OF THE CONTAMINATION

A primary contaminant leading to the listing of this site on the NYSDEC Registry of Inactive Hazardous Waste Sites was PCBs which are attributable to the switch gear house at Former Building #8. The floor of Building #8 consists of a concrete slab, on which an electric feeder, a transformer, a load center and batteries were located. Investigations in this area have focused on identifying PCB contamination as described in Section 2.5. PCBs are present in one concrete floor sample at a concentration above 25 mg/kg, which is the NYSDEC Part 375 industrial use soil cleanup objective. Results of soil sampling immediately adjacent to Building #8 do not show any exceedances of the Part 375 commercial use soil cleanup objective of 1 mg/kg. Based on the sample results collected to date, the extent of PCBs may be limited to the concrete floor of Building #8.

The environmental investigation of AFP51 in the vicinity of Building #8 and surrounding area consisted of numerous soil and groundwater samples for a broad suite of compounds, including volatile and semi-volatile organic compounds (VOCs and SVOCs), pesticides, PCBs and metals. However, sampling within Building #8 is limited to two events: Day Engineering in 2004 and HDR in 2017. Table 1 (below) provides a summary of the PCB analytical results. Table 2 (attachment following the text) provides the results of 9 concrete chip samples, 8 wipe samples, 1 exterior surface and 1 sub slab soil sample, 1 sediment and 1 water sample (floor trench; data is summarized on Figure 3). PCBs were detected at concentrations exceeding 50 parts per million (ppm) in three samples, which include two concrete chip samples (CC-04 and CC-05) and one sediment sample. The two concrete chip samples may have been collected at the same location with one sample being a duplicate as the location of CC-05 was not presented on a figure included with the Day Engineering December 2004 Progress Report. Also, CC-05 was not specifically mentioned within that progress report.

Copies of laboratory analysis reports from 2017 are provided in historic documents which are included in the Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (dated April 3, 2019).

**Table 1 - Nature and Extent of Contamination
Building #8
Range of Sampling Dates: 2004 – 2017**

	Contaminants of Concern	Concentration Range Detected (ppm) ^a	Unrestricted SCO ⁽¹⁾ (ppm)	Frequency of Exceeding Unrestricted SCO	Restricted Industrial SCO ⁽²⁾ (ppm)	Frequency of Exceeding Restricted Industrial SCO
Concrete Chip	Total PCBs	ND – 86	0.1	6 of 9	25	1 of 9
Wipe	Total PCBs	ND – 13	NA	NA	NA	NA
Surface Soil	Total PCBs	ND	0.1	0 of 1	1	0 of 1
Subsurface Soil	Total PCBs	ND	0.1	0 of 1	1	0 of 1
Sediment	Total PCBs	190	NA	NA	NA	NA
Water	Total PCBs	0.78	NA	NA	NA	NA
Criteria taken from NYSDEC Part 375 Soil Cleanup Objectives (SCOs) table for Unrestricted Use (Table 375-6.8(a)). Criteria taken from NYSDEC Part 375 Soil Cleanup Objectives table for Restricted Industrial Use (Table 375-6.8(b)) NA – not applicable						

4.0 STANDARD OPERATING PROCEDURES (SOPS) DURING SITE CHARACTERIZATION

Upon on-site mobilization to implement the Building #8 Sampling Plan, HDR staff will complete a full inventory (including photos) of all existing building materials and the conditions of the materials. This inventory will be used to refine sample locations during the mobilization and also to support the proposed building demolition. Subsequent to implementing the below-described PCB assessment of Building #8, an asbestos containing material (ACM) and lead based paint (LBP) surveys will be performed by a subcontracted firm. The subcontracted firm will have the appropriate licenses and certifications for these surveys. Scoping for the ACM and LBP surveys will be coordinated by HDR during the Building #8 sampling.

4.1 Field Sample Collection Procedures

To characterize Building #8 prior to demolition, concrete chip and surficial wipe samples will be collected for PCB analyses including eight aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268). Sample collection procedures for both sample types is provided in this section. Concrete chip sample locations are shown on Figure 4. It is noted that caulking – if present – may also be sampled to determine PCB content. Additional information regarding sample locations is discussed in Section 5.

4.1.1 Concrete Chip Samples

Concrete chip sampling will follow EPA's Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) dated May 2011. Prior to sample collection, the surface will be cleaned using a clean brush or cloth. An impact hammer drill equipped with a carbide drill bit will be used to generate concrete powder for sample collection. The drill will be advanced ½-inch into the concrete surface for the surficial sample. Multiple holes may be advanced at a specific location to generate a sufficient amount of material for the lab analyses. Each sample will be contained in individually labelled laboratory provided sample jars.

Following sample collection, the drill bit and any other sampling equipment that comes in contact with the sampled material) will be decontaminated using a soap and water wash, followed by a rinse.

4.1.2 Wipe Samples

Wipe samples will be collected from smooth and impervious, unpainted surfaces within Building #8 (for instance, windows, ventilation, exposed conduits, racks, glazing, and structural steel). Wipe samples will be collected using a 10 cm by 10 cm (or equivalent that equals 100 cm²) template that outlines the sample area. Unless the surface is wet, a gauze pad saturated with hexane will be used to collect the sample. The 100 cm² area will be thoroughly swabbed vertically using one side of the hexane-saturated wipe and then flipped to horizontally swabbed using the other side of the wipe. The wipe will be swabbed five times in each direction (horizontally and vertically). Care will be taken to assure proper use of the sampling template, as the sample results will be based on the 100 cm² sample area (i.e., µg per 100 cm²).

Following swabbing, the wipe will be rolled and placed within a sample vial provided by the laboratory. The vial will be sealed, labelled and prepared for shipment to the laboratory. If reusable, each sampling template will be decontaminated using a soap and water wash and rinse. If the template is not reusable, it will be discarded with any disposable personal protective equipment.

4.1.3 Quality Assurance/Quality Control

QAQC samples will be collected at frequencies presented in Contract Program specific plans. Field blanks will be collected at a frequency of one per 20 decontamination event for each type of sampling equipment and, at a minimum, one per equipment type and/or media per day. Field duplicates will be collected at a frequency of 1 duplicate per 20 sample media. For this effort, two field blanks and 2 duplicates are anticipated for concrete chip sampling. One field blank and one duplicate is anticipated for wipe sampling.

4.2 Laboratory Analysis Procedures

For this effort, it is understood that TestAmerica Laboratories (Eurofins) will analyze the samples as NYSDEC's Standby Laboratory Contractor. Samples bottles will be provided by the laboratory. All concrete chip samples will be extracted using USEPA Method 3540C and analyzed for PCBs following USEPA Method 8082. All wipe samples will be extracted following USEPA Method 3550B and analyzed for PCBs using USEPA Method 8082. Standard turnaround time for lab results will be requested.

Chain-of-custodies will be completed and will accompany the samples from collection in the field through analyses at the laboratory.

5.0 PCB SAMPLING LOCATIONS

Prior sample locations inside and exterior to Building #8 are shown on Figure 3 along with total PCB concentrations exceeding NYSDEC cleanup criteria (1 ppm for protection of ecological resources (PER) SCO, 25 ppm for Industrial Use SCO). Two concrete chip sample locations (CC-04 and CC-05) contained concentrations of total PCBs exceeding 50 ppm. Documentation of the CC-05 sample location, which was collected in 2004, is not available; it is possible that it was a duplicate sample of CC-04. Also, one sediment sample (AFP51-TRS-20171003; HDR 2017) and its duplicate (DUP1-20171003) contained PCB concentrations exceeding 50 ppm.

To characterize Building #8 for proposed demolition work, concrete chip samples will be collected from the building floor slab and walls. Composite samples will be homogenized from 3 to 5 aliquots collected from the same material (e.g., concrete or cinder block) within a defined area on a wall or the floor. Frequency of aliquot collection will follow the EPA guidance of one sample for every 100 square feet (ft²). Aliquots will be biased toward stained areas. Based on the building dimensions, approximately 51 concrete chip aliquots will be collected and composited. Sample distribution is anticipated as 13 slab aliquots, 8 aliquots for the east and west walls (16 total), 5 aliquots for the north and south walls (10 total) and six aliquots for both sides of an interior wall.

Sample composites are planned based on distribution presented in the Table 3 below. Initially, only the composite samples (estimated at 12) will be submitted for laboratory analysis for total PCBs (with data for 8 individual Aroclors also to be provided by the laboratory). All samples will also be analyzed for each of the 8 PCB Aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268).

Table 3 – Sample Frequency and Distribution Building #8				
Surface	Area (ft ²)	Number of Aliquots	Number of Composite Samples	Wall Features
Slab	1260	13	4	Trenches
North Wall	448	5	1	Structure damage
South Wall	448	5	1	Door
East Wall	720	8	2	Structure damage
West Wall	720	8	2	Windows
Interior Wall ¹	570	6	2	Inside and outside transformer area

1 - estimated area

Figure 4 presents a conceptual sampling strategy for concrete chip aliquot distribution for the floor slab, and the east, north, west and south walls. However, concrete chip aliquots may be redistributed to account for non-porous surfaces such as windows on the north wall and a door on the south wall.

Each aliquot will be retained by the laboratory for further analyses if needed based on a review of the composite sample data. The need for further analysis will be dependent on the sample results. If the results of a particular composite sample exceed 5 mg/kg, then each of the aliquots that formed

that composite sample will be analyzed to delineate the PCB concentrations for that composite area.

Plywood and 2 x 4s that were installed to patch the damage caused during the Building #1 demolition will not be sampled.

The frequency of wipe sampling will be dependent on an inventory of non-porous, unpainted surfaces within Building #8, along with accessibility to certain building components (e.g., roof). For this effort, 20 wipe samples are assumed. All wipe samples will be analyzed for each of the 8 PCB Aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268).

6.0 REPORTING

Following the receipt of all laboratory reports, a description of the field activities with a summary of the analytical results will be presented in a Building #8 Pre-Demolition Assessment Report. The report will include photographs of the building conditions, copies of field notes, and the laboratory report. The assessment report will be provided for inclusion with the specification and bid package so that the prospective bidders are aware of existing site conditions.

7.0 HEALTH AND SAFETY

All work will be conducted following HDR's health and safety plan (HASP) for the AFP51 site. The site-wide HASP has been updated to include the Building #8 sampling activity. COVID-19 guidelines and procedures, as presented in the HDR HASP, will be followed during this activity.

8.0 SCHEDULE

Following NYSDEC authorization to proceed with this sampling plan, HDR will coordinate the activity by assisting NYSDEC with notification to the laboratory with the analytical request and sample bottle / sample wipe order. Aroclor analyses will also be confirmed, as well as the plan for archiving aliquots for possible future analysis. Availability of field equipment rentals and disposables will be confirmed and orders placed. Once the laboratory and field supplies are verified, the field work will be scheduled. It is anticipated the field work will occur within two to three weeks following authorization. However, the Building #8 work may be coordinated to coincide with other planned site activities.

Implementation of the sampling plan is expected to occur over five business days. Turnaround times for laboratory analyses is assumed to be 10 to 15 business days, dependent on NYSDEC's Standby laboratory contractor. Upon receipt, the lab data will be forwarded to a HDR subcontracted data validator for validation. A draft summary report will be provided within two weeks of receiving the validated data.

TABLE 2
AFP51 BUILDING #8 PCB SUMMARY DATA

Sample ID	DAY-CC-01	DAY-CC-02	DAY-CC-03	DAY-CC-04	DAY-CC-04DL	DAY-CC-05	DAY-CC-05DL
Date Sampled	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004
Sample Type	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1221	<72	<68	<68	<690	<6,800	<680	<6,800
Aroclor 1232	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1242	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1248	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1254	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1260	40	65	660	67,000 E	88,000 DP	86,000 E	120,000 D

Sample ID	DAYWP-01	DAYWP-02	DAYWP-03	DAYWP-04
Date Sampled	11/29/2004	11/29/2004	11/29/2004	11/29/2004
Sample Type	Wipe	Wipe	Wipe	Wipe
Units	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Aroclor 1016	<1.0	<1.0	<1.0	<1.0
Aroclor 1221	<1.0	<1.0	<1.0	<1.0
Aroclor 1232	<1.0	<1.0	<1.0	<1.0
Aroclor 1242	<1.0	<1.0	<1.0	<1.0
Aroclor 1248	<1.0	<1.0	<1.0	<1.0
Aroclor 1254	<1.0	<1.0	<1.0	<1.0
Aroclor 1260	<1.0	13 P	13	5

Sample ID	AFP51-ES-01-20171003	AFP51-SS-01-20171003	AFP51-TRS-20171003	DUPE1-20171003	AFP51-CC-01-20171002	AFP51-CC-02-20171002	AFP51-CC-03-20171002	AFP51-CC-04-20171002
Date Sampled	10/3/2017	10/3/2017	10/3/2017	10/3/2017	10/2/2017	10/2/2017	10/2/2017	10/2/2017
Sample Type	Surface Soil	Sub Slab Soil	Trench Sediment	Trench Sediment	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip
Units	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	150,000	190,000	0.25	1.1	0.75	0.54

Sample ID	AFP51-SW-01-20171002	AFP51-WP-01-20171002	AFP51-WP-02-20171002	AFP51-WP-03-20171002
Date Sampled	10/2/2017	10/2/2017	10/2/2017	10/2/2017
Sample Type	surface water	Wipe	Wipe	Wipe
Units	ug / L	ug / Wipe	ug / Wipe	ug / Wipe
Aroclor 1016	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND
Aroclor 1260	0.78	4.7	ND	3.1





AFP51-SW-01-20171002 (L)	
Water-Filled Trench	
10/3/2017	
PCB	ug/L
PCB-1260 (AROCLOL 1260)	0.78

AFP51-WP-04-20171002 (H)	
In-between Transformer 2 & 3	
10/3/2017	
PCB	ug/100 cm ²
PCB-1254 (AROCLOR 1254)	2.2
PCB-1260 (AROCLOR 1260)	5.8

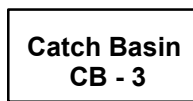
AFP51-WP-02-20171002	(F)
Base of Transformer 2	
10/3/2017	
PCB	ug/100 cm ²
ND	

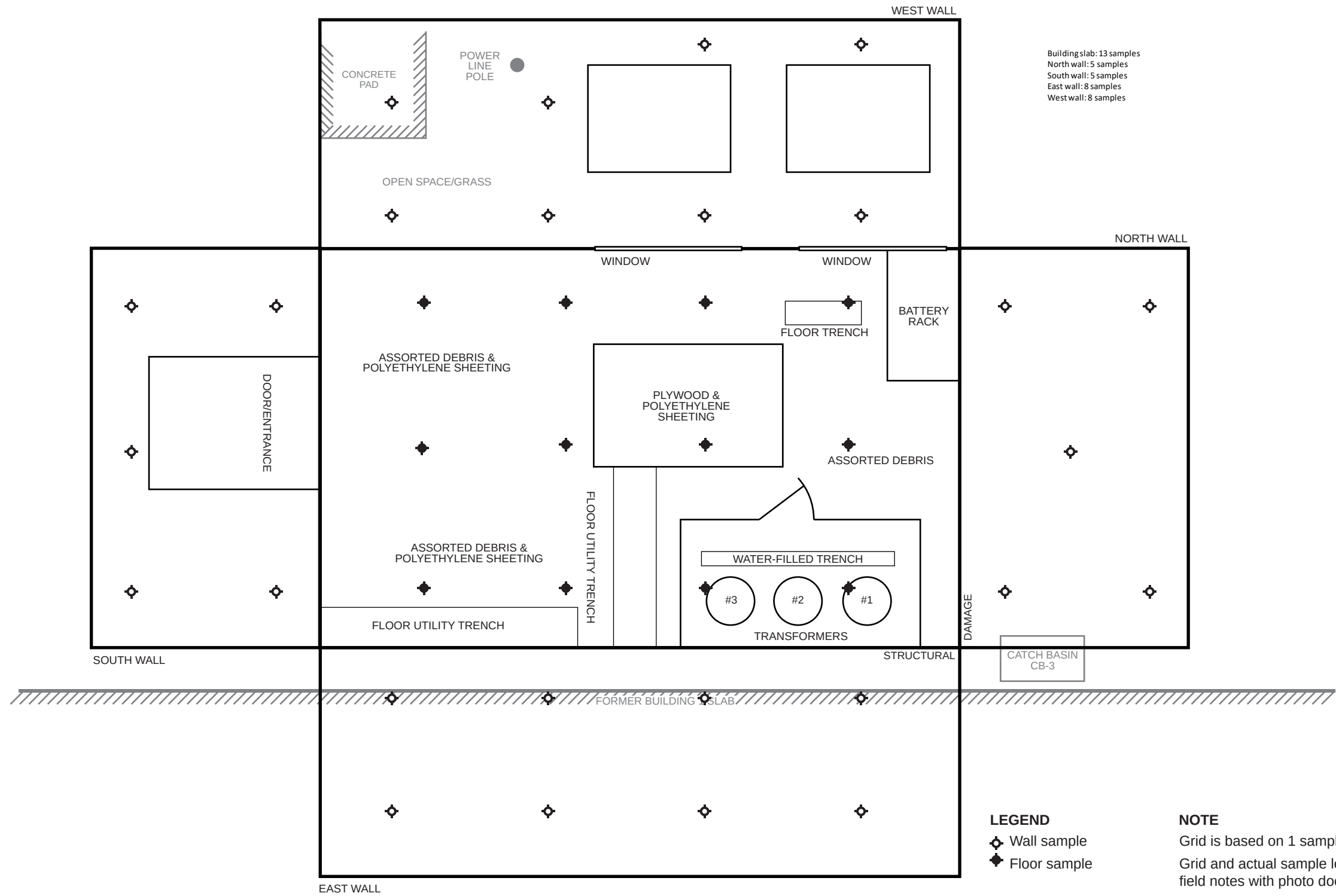
AFP51-WP-01-20171002		(E)
Base of Transformer 1		
10/3/2017		
PCB		ug/100 cm ²
PCB-1260 (AROCLOR 1260)		4.7

AFP51-CC-01-20171002 (A)	
Concrete Chip - Transformer Cage Floor	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCLO 1260)	0.25

AFP51-CC-03-20171002 (C)	
Concrete Chip - Transformer Cage N Wall	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCOR 1260)	0.75

AFP51-CC-02-20171002		(B)
Concrete Chip - Battery Rack Floor		
10/2/2017		
PCB		mg/Kg
PCB-1260 (AROCOR 1260)		1.1





BUILDING #8 MATERIALS SAMPLING PLAN
FORMER AIR FORCE PLANT NO. 51 (NYSDEC SITE # 828156)

FIGURE 4

APPENDIX D

Code Rule 56 Variance and NYSDOL Notification

STATE OF NEW YORK
DEPARTMENT OF LABOR
STATE OFFICE BUILDING CAMPUS
ALBANY, NEW YORK 12240-0100

Variance Petition

of

LaBella Associates, DPC
Petitioner's Agent on Behalf of

NYS Dept. of Environmental Conservation
Petitioner

in re

Premises: Former Air Force Plant Bldg. 8
477 Dewey Avenue
Rochester, New York 14612

**Emergency Interior and Exterior ACM Debris
Cleanup**

File No. 20-1077

DECISION

Cases 1-3

ICR 56

The Petitioner, pursuant to Section 30 of the Labor Law, having filed Petition No. 20-1077 on September 17, 2020 with the Commissioner of Labor for a variance from the provisions of Industrial Code Rule 56 as hereinafter cited on the grounds that there are practical difficulties or unnecessary hardship in carrying out the provisions of said Rule; and the Commissioner of Labor having reviewed the submission of the petitioner dated September 16, 2020; and

Upon considering the merits of the alleged practical difficulties or unnecessary hardship and upon the record herein, the Commissioner of Labor does hereby take the following actions:

Case No. 1
Case No. 2
Case No. 3

ICR 56-6.2
ICR 56-7.8 (a)
ICR 56-7.10 (a, b, c)

Case No. 4	ICR 56-7.11
Case No. 5	ICR 56-9.2 (d) (1)
Case No. 6	ICR 56-11.2 (f) (2)
Case No. 7	ICR 56-11.2 (f) (4)

VARIANCE GRANTED. The Petitioner's proposal for cleanup of ACM debris in quantities as listed by the petitioner, from the subject premises in accordance with the attached 138-page stamped copy of the Petitioner's submittal, is accepted; subject to the Conditions noted below:

THE CONDITIONS

Full-Time Project Monitor:

1. A full-time independent project monitor shall be on site and responsible for oversight of the abatement contractor during all abatement activities to ensure compliance with ICR 56 and variance conditions and to ensure that no visible emissions are generated. If visible emissions are observed, work practices shall be altered according to the project monitor's recommendations.
2. The Project Monitor shall perform the following functions during asbestos abatement projects in addition to functions already required by ICR-56:
 - a. Inspection of the interior of the asbestos project work area made at least twice every work shift accompanied by the Asbestos Supervisor;
 - b. Observe and monitor the activities of the asbestos abatement contractor to determine that proper work practices are used and are in compliance with all asbestos laws and regulations;
 - c. Inform the asbestos abatement contractor of work practices that, in the Project Monitor's opinion, pose a threat to public health or the environment, and are not in compliance with ICR-56 and/or approved variances or other applicable rules and/or regulations;
 - d. Document in the Project Monitor Log observations and recommendations made to the Asbestos Supervisor based upon the interior/exterior observations of the asbestos project made by the PM.
3. The PM shall alert the local District Office of the NYSDOL Asbestos Control Bureau whenever, after the PM has provided recommendations to the Asbestos Supervisor, unresolved conditions remain at the asbestos project site which present a significant potential to adversely affect human health or the environment.

Perimeter Air Sampling (Exterior cleanup):

1. In addition to the requirement of Subpart 56-4.9(c), air monitoring shall be conducted daily at the perimeter of the work area.
2. A minimum of two upwind air samples shall be collected. The samples shall be spaced approximately 30 degrees apart from the prevailing wind direction.
3. A minimum of three downwind samples shall be collected. The samples shall be equally spaced in a 180-degree arc downwind from the source.
4. If more than one shift daily is required to accomplish the work, air monitoring within the work area during abatement shall be performed on each shift.

Soil/Earth/Dirt Cleanup (Exterior Cleanup):

5. After ACM debris has been removed, the site shall be inspected. Any required cleanup shall include all visible asbestos or suspect asbestos debris. Soil removal shall meet ASTM 1368 (latest edition), Section 9.1.1-9.1.5 inspection criteria.
6. No pieces of ACM shall be present on top of the soil.
7. Visibly contaminated soil or soil suspected of being contaminated shall be removed down to the level where no visible contamination is observed.
8. The Project Monitor shall write in the project log that the area has been cleaned and has passed a visual inspection.

Preparation of Waste Transport Equipment:

9. Dumpsters/trailers used to haul non-friable ACM materials do not need to be doubled lined as required by ICR 56-8.9 (g).
10. Such trailers must be made air, dust and water tight prior to leaving the site.
11. Usage of this variance is limited to those asbestos removals identified in this variance or as outlined in the Petitioner's proposal.

In addition to the conditions required by the above specific variances, the Petitioner shall also comply with the following general conditions:

GENERAL CONDITIONS

1. A copy of this DECISION and the Petitioner's proposals shall be conspicuously displayed at the entrance to the personal decontamination enclosure.
2. This DECISION shall apply only to the removal of asbestos-containing materials from the aforementioned areas of the subject premises.
3. The Petitioner shall comply with all other applicable provisions of Industrial Code Rule 56-1 through 56-12.
4. The NYS Department of Labor Engineering Service Unit retains full authority to interpret this variance for compliance herewith and for compliance with Labor Law Article 30. Any deviation to the conditions leading to this variance shall render this variance Null and Void pursuant to 12NYCRR 56-12.2. Any questions regarding the conditions supporting the need for this variance and/or regarding compliance hereto must be directed to the Engineering Services Unit for clarification.
5. This DECISION shall terminate on March 31, 2021.

Date: September 17, 2020

ROBERTA L. REARDON
COMMISSIONER OF LABOR

By

Edward A Smith

Edward A. Smith, P.E.
Professional Engineer 2 (Industrial)

PREPARED BY: Edward A. Smith, P.E.
Professional Engineer 2 (Industrial)

REVIEWED BY: Edward A. Smith, P.E.
Professional Engineer 2 (Industrial)



Petition for an Asbestos Variance

To apply for an asbestos variance, the Project Designer must:

- Complete all of the information on pages one and two of this asbestos variance request. Please type or print.
- Sign and date page two of the certification and all of the attachments.
- Send two copies of the petition and all attachments, with your \$350 fee, to the address at the top of this page.
 - o Make your check or money order payable to the Commissioner of Labor.
- Optional: To speed up the process you may include a self-addressed, stamped, express-mail envelope.

- 1 a. Is this petition related to a safety or health emergency? ☒ Yes ☐ No
b. If yes, explain: **Incidental disturbance of asbestos-containing materials**
- 2 a. Name of Petitioner (Property Owner): **NYS Dept. of Environmental Conservation**
b. Street Address: **625 Broadway**
c. City: **Albany** d. State: **NY** e. Zip: **12233**
f. Telephone Number: () - g. Fax Number: () -
h. Petitioner's Federal Employee Identification Number (FEIN)
- 3 a. Petitioner's Agent (Asbestos Contractor) Firm Name: **LaBella Associates, DPC**
b. Street Address: **300 State Street**
c. City: **Rochester** d. State: **NY** e. Zip: **14614**
f. Telephone Number: **(585) 454 - 6110** g. Fax Number: () -
- 4 a. Asbestos Contractor License No. **29278** b. Name of Firm: **LaBella Associates, DPC**
5. Building Description:
a. Affecting premises known as: **Former Air Force Plant No. 51 - Building 8**
b. These premises are situated on the ☐ North, ☐ South, ☐ East, ☒ West side of ☐ Street, ☒ Ave, ☐ Road.
c. County of **Monroe**
d. Street Address: **4777 Dewey Avenue**
e. City: **Rochester** f. State: **NY** g. Zip: **14612**
h. Is building occupied? ☐ Yes ☒ No
i. Current function of building: **Vacant Building**
j. Approximate area (square feet) of building: **1250** k. Number of stories or height in feet: **1**
l. What is within 25 feet of all four sides (North, South, East, West) of building? i.e. sidewalk, alley, land, another building, etc.: **Vacant land is located on all 4 sides of the building**
6. Order To Comply or Notice of Violation. Attach copy. **N/A**
a. Issued to: ☐ Owner ☐ Asbestos Contractor ☐ Operator ☐ Other
b. Name on Order or Notice: c. Date issued: / /
d. List the Industrial Code Rule (ICR) citations given on the Order to Comply or Notice of Violation:
7. If a variance has been granted previously for work closely resembling this project list:
a. Variance number: b. Date variance granted: / /



Petition for an Asbestos Variance

To apply for an asbestos variance, the Project Designer must:

- Complete all of the information on pages one and two of this asbestos variance request. Please type or print.
- Sign and date page two of the certification and all of the attachments.
- Send two copies of the petition and all attachments, with your \$350 fee, to the address at the top of this page.
 - o Make your check or money order payable to the Commissioner of Labor.
- Optional: To speed up the process you may include a self-addressed, stamped, express-mail envelope.

- 1 a. Is this petition related to a safety or health emergency? ☒ Yes ☐ No
b. If yes, explain: **Incidental disturbance of asbestos-containing materials**
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b. Street Address: **625 Broadway**
c. City: **Albany** d. State: **NY** e. Zip: **12233**
f. Telephone Number: () - g. Fax Number: () -
h. Petitioner's Federal Employee Identification Number (FEIN)
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b. Street Address: **300 State Street**
c. City: **Rochester** d. State: **NY** e. Zip: **14614**
f. Telephone Number: **(585) 454 - 6110** g. Fax Number: () -
- 4 a. Asbestos Contractor License No. **29278** b. Name of Firm: **LaBella Associates, DPC**
5. Building Description:
a. Affecting premises known as: **Former Air Force Plant No. 51 - Building 8**
b. These premises are situated on the ☐ North, ☐ South, ☐ East, ☒ West side of ☐ Street, ☒ Ave, ☐ Road.
c. County of **Monroe**
d. Street Address: **4777 Dewey Avenue**
e. City: **Rochester** f. State: **NY** g. Zip: **14612**
h. Is building occupied? ☐ Yes ☒ No
i. Current function of building: **Vacant Building**
j. Approximate area (square feet) of building: **1250** k. Number of stories or height in feet: **1**
l. What is within 25 feet of all four sides (North, South, East, West) of building? i.e. sidewalk, alley, land, another building, etc.: **Vacant land is located on all 4 sides of the building**
6. Order To Comply or Notice of Violation. Attach copy. **N/A**
a. Issued to: ☐ Owner ☐ Asbestos Contractor ☐ Operator ☐ Other
b. Name on Order or Notice: c. Date issued: / /
d. List the Industrial Code Rule (ICR) citations given on the Order to Comply or Notice of Violation:
7. If a variance has been granted previously for work closely resembling this project list:
a. Variance number: b. Date variance granted: / /

Note: Add a separate typed or printed page for each work area and work procedure. Sign and date each page.

8. Work Area Description Table: Attach additional tables and scale drawings of work area and pictures, as needed.

Work Area Designation	Exterior or Interior	Work/Room Area Dimensions	Type of Asbestos Containing Material (ACM)	Quantity of ACM	Condition of ACM (level of damage)	Friability of ACM (non-friable or friable)	Type of Containment (full, 2-layer tent, single layer tent, open-air, etc.)
			SEE ATTACHED				

9. ICR 56 Relief Sought: List the individual sections of ICR 56 for which relief is sought, for each work area or method used. Provide sufficient detail in an attachment. _____

SEE ATTACHED

10. Hardship Description: What is the hardship, (e.g. Limited room for decons, exhaust ducts must be longer than 25 feet, all surfaces are contaminated and cannot be plasticized) for each work area or method used? Provide sufficient detail in an attachment. Include condemnation letter or EPA Approval letter if applicable. _____

SEE ATTACHED

11. Proposed Abatement Method Description for each work area or method used: Include scale drawings and pictures as necessary. Lack of sufficient detail will delay issuance of variance decision.

a. Will proposed abatement methods render non-friable ACM material friable? _____ Yes **X** No

b. What proposed abatement method, increased engineering controls and detailed procedures will be used to compensate for the relief being sought? (i.e. Increased negative air rate, negative pressure glovebag, negative pressure glovebox, high temperature glovebag, intact component removal, etc.) Include sufficiently detailed procedures to complete the proposed work. _____

SEE ATTACHED

Project Designer Certification

I request that the Commissioner of Labor issue a variance from the requirements of Industrial Code Rule (ICR) 56. This request is based on the information in this application and the attached documents.

I certify that the information contained in this petition is true and accurate.

I understand that if a variance is granted it may be withdrawn by the Commissioner if:

- Any of the information provided in this petition is found to be inaccurate
- There are violations of Article 30 of the New York State Labor Law or New York State regulations

I give the Commissioner of Labor permission to provide all of my companies records for Unemployment Insurance (UI) reports and contributions to employees of the New York State Department of Labor. This includes information about withholding, wage reporting, UI returns, UI registration, new hires, and all records of UI delinquencies. This information may only be used for government purposes regarding the licensing and certification of this company as required by Article 30 of the New York State Labor Law and the regulations of the New York State Department of Labor, and for monitoring the company's compliance with Article 30 and ICR 56.

12 a. Project designer name (print): **Jarrold Miner** b. E-mail: **jminer@labellapc.com**

c. Project Design Asbestos Contractor firm name: **LaBella Associates, DPC**

d. Street: **300 State Street**

e. City: **Rochester** f. State: **NY** g. Zip: **14614** h. Phone: (585) 454-6110

i. Designer certificate number: **10-00223** j. Expiration Date: **06 / 30 / 2021**

k. Design Firm Asbestos Contractor License Number **29278** l. Expiration Date: **02 / 28 / 2021**

13 a. Project designer signature: _____ b. Date: **09 / 16 / 2020**

Petitioner: New York State Dept. of Environmental Conservation (NYSDEC)
Petitioner's Agent: LaBella Associates, D.P.C.

Description of Premises:

NYSDEC – Former Air Force Plant No. 51 (Building 8)
4777 Dewey Avenue – Rochester, New York

ATTACHMENT A
Building/Work Area Description
Form DOSH-752 (0208) Item 8

The Petitioner, New York State Department of Environmental Conservation (NYSDEC), is looking to demolish an abandoned powerhouse building (building 8) located on the Former Air Force Plant No. 51 at 4777 Dewey Avenue in Rochester, New York. In anticipation for the demolition, an asbestos inspection was completed by LaBella Associates in order to identify the types and amounts of asbestos-containing materials (ACM) that would need to be abated prior to, or in conjunction with building demolition (Report Attached). The building is located on an abandoned property and sits approximately 150 feet from the closest building.

The abandoned powerhouse building has sat vacant for many years, and shows obvious signs of structural damage. Various doors throughout the building have been removed, as well as a section of the CMU block missing and boarded up. Additionally, the roofing system has a number of holes exposing the interior of the building to the exterior elements (see attached photos in Appendix A).

During the site inspection, certified asbestos inspector, Chris Enright, observed areas of disturbed asbestos-containing tar paper (part of the roofing system) located on the ground on the interior and exterior of the former powerhouse building. As such, Mr. Enright assessed the degree of contamination while on site and incorporated the quantities into the Regulated Building Materials Inspection Report. The client is seeking to clean-up the contamination as soon as possible, and prep the building for demolition. The table below outlines the extents of contamination that were defined during the site visit:

Work Area Description Table

Work Area Designation	Work Area Dimensions	Type of ACM	Quantity of ACM	Condition of ACM	Friability of ACM	Type of Containment
Interior (Transformer Room)	19' x 10'	Tar Paper	20 SF	Damaged	Non-Friable	Regulated Area/Wet Methods/Open Air Containment
Interior (Main Room)	25' x 4' 5' x 4'		10 SF			
Exterior (North, East & South Sides)	100' x 5'	Tar Paper	25 SF (scattered debris)	Damaged	Non-Friable	Regulated Area/Wet Methods/Open Air Containment

*Building dimensions – 48' x 25' = 1,200 SF

Petitioner: New York State Dept. of Environmental Conservation (NYSDEC)

Petitioner's Agent: LaBella Associates, D.P.C.

Description of Premises:

NYSDEC – Former Air Force Plant No. 51 (Building 8)

4777 Dewey Avenue – Rochester, New York

ATTACHMENT B
ICR 56 Relief Sought
Form DOSH-752 (0208) Item 9

It is the intent of the NYSDEC to provide an equivalent level of protection as ICR 56 for both the asbestos removal workers and the general public while permitting the proper cleanup and removal of the asbestos materials in a cost effective manner. The proposed procedures will not expose removal workers or the general public to asbestos fibers, and represents a reasonable approach for the careful clean-up of the asbestos-containing materials (ACMs).

Relief from the following Sections of ICR 56 Regulations is requested for the cleanup and removal of the asbestos-containing materials at the Site, as described in Attachment A:

INTERIOR

1. ICR 56-6.2	Background Air Sampling
2. ICR 56-7.8(a)	Negative Air Pressure Equipment
3. ICR 56-7.10(a, b, c)	Regulated Abatement Work Area Pre-Cleaning
4. ICR 56-7.11	Regulated Abatement Work Area Enclosure
5. ICR 56-9.2(d)(1)	Clearance Air Sampling
6. ICR 56-11.2(f)(2)	Tent Enclosures
7. ICR 16-11.2(f)(4)	Corrective Actions for Incidental Disturbance – Specifically, Removal of undisturbed ACM

It is requested that this variance, if granted, shall remain in effect until March 31, 2021.

Petitioner: New York State Dept. of Environmental Conservation (NYSDEC)

Petitioner's Agent: LaBella Associates, D.P.C.

Description of Premises:

NYSDEC – Former Air Force Plant No. 51 (Building 8)

4777 Dewey Avenue – Rochester, New York

ATTACHMENT C
Hardship Description
Form DOSH-752 (0208) Item 10

Relief from the sections of ICR 56 mentioned in Attachment B is requested due to the following practical difficulties and unnecessary hardships:

ICR 56-6.2 – Background Air Sampling

- As this work involves the clean-up of asbestos-containing non-friable ACMs, background air sampling shall not be required.

ICR 56-7.8(a) – Negative Air Pressure Equipment

- The vacant building currently does not have power and would require generators to run negative air machines during abatement activities. As such, since the building is already damaged with numerous holes in the walls and roofing system, setting up negative air throughout the building would provide an unnecessary hardship for the owner. Additionally, the only ACMs identified within the structure are non-friable and will remain intact during all removal operations. The petitioner proposes cleanup and removal work be performed in accordance with OSHA 1926.1101(g)(7).

ICR 56-7.10(a, b, c) – Pre-Cleaning

- Pre-cleaning the work areas is impractical due to the fact that all surfaces within the regulated work areas are considered contaminated and will be cleaned as part of the abatement project.

ICR 56-7.11 – Regulated Abatement Work Area Enclosure

- The petitioner proposes cleanup and removal work be performed in accordance with OSHA 1926.1101(g)(7).

ICR 56-9.2(d)(1) - Clearance Air Sampling

- Since the work procedures below include daily air sampling inside the regulated work area, if the last set of daily air samples meets the clearance criteria of 0.01 f/cc, then the work area will be considered complete.

ICR 56-11.2(f)(2) – Tent Enclosures

- Construction of a tent for the clean-up of the incidental disturbances on the interior of the building is not feasible. With numerous pre-existing openings throughout the perimeter of the building (exterior walls, roofing), constructing an interior tent would impede the clean-up. Additionally, the interior portion of the building is constantly exposed to the exterior elements due to the aforementioned building conditions.

ICR 56-11.2(f) (4) – Corrective Actions for Incidental Disturbance – Specifically, removal of undisturbed ACM

- Merely cleaning up the debris from the disturbance without addressing the abatement required to demolish the building would be an inefficient use of the owner's resources, and pose the risk of additional incidental disturbances prior to building demolition.

Petitioner: New York State Dept. of Environmental Conservation (NYSDEC)

Petitioner's Agent: LaBella Associates, D.P.C.

Description of Premises:

NYSDEC – Former Air Force Plant No. 51 (Building 8)

4777 Dewey Avenue – Rochester, New York

ATTACHMENT D
Proposed Abatement Methods
Form DOSH-752 (0208) Item 11

A full time independent project monitor shall be on-site to observe the abatement contractor's work practices and to ensure that no visible emissions are generated during the cleanup and removal activities. If visible emissions are observed, work practices shall be altered according to the project monitor's recommendations. The Project Monitor shall perform the following functions during asbestos abatement in addition to functions already required by ICR-56:

- a. Inspect the restricted areas at least twice every work shift and shall be accompanied by the Abatement Supervisor.
- b. Observe and monitor the activities of the abatement contractor to determine that proper work practices are used and are in compliance with all asbestos laws and regulations.
- c. Inform the abatement contractor of work practices that, in the Project Monitor's opinion, pose a threat to public health or to the environment, and are not in compliance with ICR-56 and/or the approved site-specific variance.
- d. Document in the Project Monitor Log observations and recommendations made to the Asbestos Supervisor based on observations of the asbestos project.
- e. The Project Monitor shall alert the local District Office of the NYSDOL Asbestos Control Bureau whenever, after the PM has provided recommendations to the Asbestos Supervisor, unresolved conditions that remain at the project site which present a significant potential to adversely affect public health of the environment.

Securing the Work Site and Establishment of Regulated Areas

1. The regulated work areas, decontamination units, airlocks, and dumpster areas shall be cordoned off at a distance of twenty-five feet (25') where possible, and shall remain vacated except for certified workers until the clean-up project is complete. These areas shall have signage posted in accordance with Subpart 56-7.4(c) of this Code Rule. ***For areas where twenty-five feet isn't possible, the areas shall be cordoned off as practical, and a daily abatement air sample shall be included within 10 feet of the barrier.***

Petitioner: New York State Dept. of Environmental Conservation (NYSDEC)

Petitioner's Agent: LaBella Associates, D.P.C.

Description of Premises:

NYSDEC – Former Air Force Plant No. 51 (Building 8)

4777 Dewey Avenue – Rochester, New York

ATTACHMENT D (cont.)

Proposed Abatement Methods

For Clean-up and Removal of ACMs on the Interior of the Building

Removal and handling of the asbestos-containing materials shall be performed in accordance with this approved variance, applicable provisions of ICR 56-11.2 "Corrective Actions for Incidental Disturbance of Asbestos Containing Materials," and OSHA 1926.1101(g)(7).

2. Decontamination units shall be constructed consistent with 56-11.2(f) (1) (i). A minimum of a small project decontamination system enclosure, which may be remote from the work area, shall be installed and utilized for the asbestos project. Removals of the decontamination units shall only be conducted after satisfactory clearance air monitoring results have been achieved for the regulated work area.
3. Air sampling and analysis shall be conducted in accordance with the requirements of Subpart 56-4, except no background air samples shall be required as per 56-11.2(f)(3).
4. In addition to the requirements of Subpart 56-4.9, large project air monitoring during abatement and cleaning activities shall be conducted daily. Five (5) additional daily air samples shall be collected within the work area in the immediate vicinity of disturbance activities. If more than one shift daily is required to accomplish the work, air monitoring within the work area during abatement shall be performed on each shift.
5. Pre-cleaning shall not be required.
6. Individuals within the Restricted/Regulated Area shall don PPE consistent with OSHA requirements and the per the competent person's exposure assessment even during preparation.
7. Negative air operation is not required for cleanup and removal of all non-friable materials, provided the abatement methods will not render the asbestos materials friable during abatement.
8. Once the regulated work area has been established, all asbestos-containing tar paper debris located within the work area shall be wetted and cleaned up. All non-porous walls, ceiling, fixtures, and movable and fixed objects contaminated with asbestos debris shall be cleaned as part of this abatement project. All porous materials, debris, and waste generated shall be disposed of as asbestos waste.
9. No dry disturbance or removal of asbestos material shall be permitted. Wet methods shall be used at all times.

Petitioner: New York State Dept. of Environmental Conservation (NYSDEC)

Petitioner's Agent: LaBella Associates, D.P.C.

Description of Premises:

NYSDEC – Former Air Force Plant No. 51 (Building 8)

4777 Dewey Avenue – Rochester, New York

ATTACHMENT D (cont.)

Proposed Abatement Methods

10. After all suspect debris has been removed, the regulated work area shall be inspected by the contractor supervisor and project monitor as an intermediate completion. Upon visual confirmation that all suspect debris has been cleaned-up, the remaining ACMs located within the regulated work area shall be removed in accordance with OSHA 1926.1101(g)(7).
11. As full plasticization is not required, one thorough cleaning as per 56-9.1(e) and one settling/waiting period shall suffice, except if clearance air sampling is unsatisfactory, then a re-cleaning of the area and another settling/waiting period is required.
12. Upon completion of the abatement and cleaning, a satisfactory visual inspection shall be completed by the asbestos supervisor and the Project Monitor.
13. In lieu of post abatement clearance air monitoring in compliance with 56-9.2(d) the most recent set of daily abatement air samples collected during the cleaning operations within the regulated work area shall be used for comparison with 56-4.11 clearance air sampling criteria.
14. After a satisfactory visual inspection by a certified Project Monitor and satisfactory clearance air sampling is obtained, the regulated work area may be dismantled.

For Clean-up and Removal of ACMs on the Exterior of the Building

Removal and handling of the asbestos-containing materials and clean-up of the work area shall be performed in accordance with this approved variance and all other applicable provisions of ICR 56. All abatement activities shall be conducted under the daily supervision of a currently NYSDOL certified Asbestos Project Monitor.

1. Entry/Exit of all persons and equipment shall be through one designated and controlled "access way" in the barrier or fence, which shall provide an adequate and appropriate means of egress from the work site.
2. Decontamination system enclosures and area shall be constructed and utilized as per the requirements of 56-7.5(d) and 56-11.6(b)(3).
3. Uncertified personnel shall not be allowed to access any regulated abatement work area. Individuals within the Restricted/Regulated Areas shall don PPE consistent with OSHA requirements and per the competent person's exposure assessment even during preparation.
4. The adjacent ground surfaces shall be wet cleaned and scraped free of a residual asbestos contamination. The tar paper debris shall be wetted and HEPA vacuumed, or manually cleaned up. Excessive vegetation will be removed during the abatement process in order to facilitate adequate cleaning procedures.

Petitioner: New York State Dept. of Environmental Conservation (NYSDEC)
Petitioner's Agent: LaBella Associates, D.P.C.

Description of Premises:

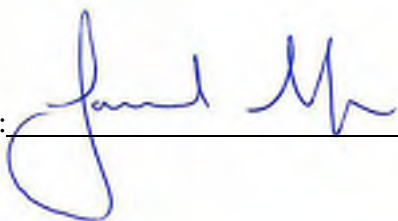
NYSDEC – Former Air Force Plant No. 51 (Building 8)
4777 Dewey Avenue – Rochester, New York

ATTACHMENT D (cont.)
Proposed Abatement Methods

5. No dry disturbance or removal of asbestos material shall be permitted. Wet methods shall be used at all times.
6. Wastewater shall be confined within the regulated abatement work area. All wastewater shall be collected, properly filtered, and directed into a holding tank. Disposal of such wastewater shall be in accordance with applicable laws and regulations. After wastewater has dissipated, the earth surface shall be scraped, and any residual asbestos contamination removed and disposed of as asbestos contaminated waste.
7. In addition to the requirements of Subpart 56-4.9(b-c), air monitoring during abatement and cleaning activities shall be conducted daily. Two (2) additional daily air samples shall be collected within the work area in the immediate vicinity of potential disturbance activities. If more than one shift daily is required to accomplish the work, air monitoring within the work area during abatement shall be performed on each shift.
See variance conditions for additional sampling requirements. EAS
8. Daily abatement air monitoring is required only on days when abatement or support activities such as ACM disturbance or cleaning activities are performed.
9. The contractor shall observe, at a minimum, a 2-hour waiting/settling and drying period.
10. In lieu of post-abatement clearance air monitoring in compliance with ICR-56-9.2(d), the most recent daily abatement air samples collected during removal and cleaning operations in the regulated work area, shall be used for comparison with ICR 56-4.11 clearance criteria. All other applicable provisions of ICR 56-4 shall be followed for the duration of the abatement project.
11. After removal and cleanings are complete, and a minimum drying period has elapsed, the Project Monitor shall determine if the area is dry and free of visible asbestos debris/residue. If the area is determined to be acceptable, and the most recent daily abatement air sample results meet 56-4.11 clearance criteria, the final dismantling of the site may begin.

Usage of this variance is limited to those asbestos removals identified in this variance or as outlined in the Petitioner's proposal.

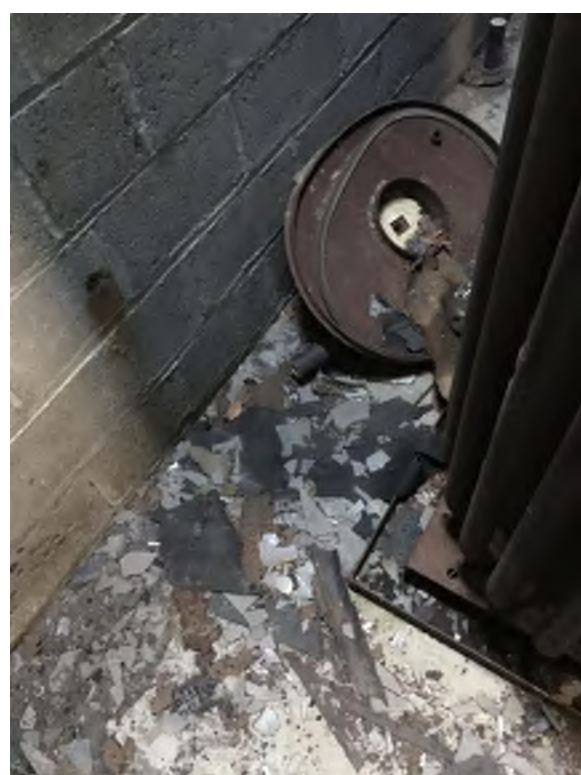
Signed: _____

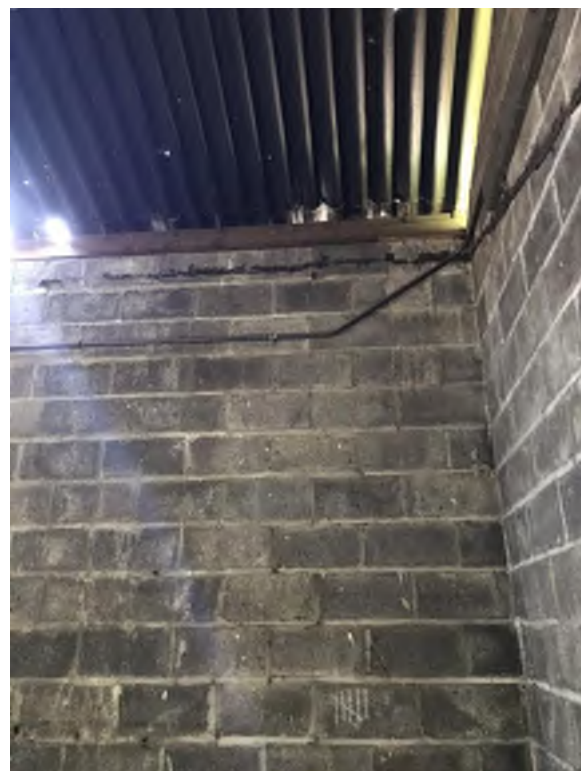


Date: 9/16/2020

Appendix A

Photos





Appendix B

Pre-Demolition Regulated Building Materials Inspection Report



Pre-Demolition Regulated Building Materials Inspection



Location:

Former Air Force Plant No. 51, Building 8
NYSDEC Site Number 82156
4777 Dewey Avenue
Rochester, New York 14612

Prepared for:

New York State Department of Environmental Conservation
Bureau of Environmental Remediation
625 Broadway
Albany, New York 12233

LaBella Project No. 2161937.049

August 3, 2020

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I. PROJECT DESCRIPTION

In accordance with current regulations, LaBella Associates, D.P.C. (LaBella) conducted a Pre-Demolition Regulated Building Materials (RBM) Inspection of the Former Air Force Plant No. 51 building 8 located at 4777 Dewey Avenue in Rochester, New York. The objective was to identify suspect RBMs, such as Asbestos-Containing Materials (ACM), Lead-Based Paint (LBP), polychlorinated biphenyls (PCB) containing caulking and glazing compounds, PCB Ballasts, PCB-contaminated surfaces, Mercury-containing items, etc. which may require abatement or removal prior to or during demolition due to applicable regulations.

Materials and locations understood to be impacted by this project were determined from information provided by the NYS Department of Environmental Conservation Bureau of Environmental Remediation.

II. SITE DESCRIPTION

The former Air Force Plant 51 (AFP51) is located at 4777 Dewey Avenue in Greece, New York. Building #8 is located along the western edge of the concrete slab of former Building #1. Building #8 was constructed in the early 1940s and served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switch gear for the Rochester Gas & Electric CO. electric feeder, three 200 KVA oil filled transformers housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. These systems have been decommissioned and are no longer in use.

The general dimensions of Building #8 are approximately 48 feet by 25 feet and cover an area of approximately 1,200 square feet. It is a single story building that contains a single large room with a semi-partitioned portion located along the northeastern wall. The construction materials include cinderblock walls supported by horizontal steel I-Beams, a concrete slab floor and a corrugated metal roofing system. The semi-partitioned area is the transformer vault, measuring 19 feet by 10 feet, and is composed of cinderblocks, metallic grates, and metallic grate floor.

III. INSPECTION PROCEDURES

The following procedures were used to obtain the data for this Report:

- A. Existing documentation was requested for review. A sampling plan titled "PCB Sampling Plan", prepared by Henningson, Durham & Richardson Architecture and Engineering, P.C. on April 22, 2020, was reviewed to develop an understanding of historical sampling events and known PCB concentrations. No other record drawings or documentation of previously completed inspections were made available.
- B. A visual inspection of the limited areas referenced above was conducted to identify visible and accessible sources of the above referenced suspect RBMs. Photographs captured during this inspection are attached in Appendix C.
- C. Bulk samples of accessible RBMs were collected and submitted for laboratory analysis.
- D. Asbestos samples were submitted for laboratory analysis. Preliminary Polarized Light Microscopy analyses of non-friable, organically bound (NOB) materials were performed by LaBella Laboratories, a NYSDOH accredited laboratory, to determine the presence and



percentage of asbestos in each sample. Transmission electron microscopy analyses of NOB materials, if necessary, were performed by AMA Laboratories.

- E. Suspect painted or glazed materials were checked in the field using XRF testing procedures for the presence of lead.
- F. Per the procedures outlined in the “PCB Sampling Plan”, nonporous non-painted surfaces within the building were sampled for PCB levels using hexane-filled wipes. Composite concrete chip samples were also collected from the interior walls and floors. Chip and wipe samples were submitted to Alpha Analytical.
- G. Results of the laboratory analyses, field testing and the visual on-site inspection were compiled and summarized.

IV. INSPECTION LIMITATIONS

This inspection was conducted in accordance with generally accepted environmental engineering practices for this region. Collection of bulk samples of suspect RBMs was limited to those materials readily accessible using hand tools or hand-held power tools. Homogeneous materials were identified and located based on visual observation from readily accessible points. The data derived from representative samples of any given homogeneous material represent conditions that apply only at that particular location. Inspection protocol and methodology requires that sample data be used to draw conclusions about the entire homogeneous area, but such conclusions may not necessarily apply to the general Site as a whole. No sub-surface investigations were performed to determine the possible presence of regulated materials on or in the immediate vicinity of the Site.

LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports. No inspection can wholly eliminate the uncertainty regarding the potential for undiscovered RBMs. The Work performed by LaBella is intended to reduce, but not eliminate, uncertainty regarding the potential for RBMs at the Site. This inspection report is not intended to be a bid document for an abatement scope of work. This report is intended to satisfy the requirements of NYS Code Rule 56-5 for inspections. Abatement project design can only be performed by a certified Project Designer.

V. INSPECTION RESULTS

Asbestos-Containing Materials (ACMs)

Based on laboratory analyses of bulk samples collected, the following materials were determined to contain greater than 1% asbestos. However, the following table does not include all of the materials sampled during this inspection; for a full list of materials sampled see the *Asbestos Bulk Sample Summary Table* immediately following this report.

Type of Material	Typical Location	Estimated Amount	Friability	Condition
Gray Transite	Inside Panel Boxes	4 SF	Non-Friable	Good
Black Transite	Panel Inside Wall By Transformers	3 SF	Non-Friable	Good
Black Window Caulk	Around Window Frames on the Interior of the Building	90 LF/ 2 SF	Non-Friable	Good



Type of Material	Typical Location	Estimated Amount	Friability	Condition
Gray Transite Pipe**	Flue Pipe Along the Exterior of the Building	15 LF	Non-Friable	Good
Black Roofing Cement	Along CMU Block Walls on the Interior of the Building & Around Exhausts on the Roof	60 SF	Non-Friable	Good
Black Tar Paper**	On Metal Roof	1,325 SF	Non-Friable	Good
Black Debris	On Ground of Exterior and Interior of the Building	825 SF	Non-Friable	Poor

**See below for a detailed description of material locations.

ACM Project Specific Details

Gray Transite Pipe

A gray asbestos-containing Transite pipe runs vertically along the exterior wall of the building. The Transite pipe turns 90 degrees and protrudes the exterior wall with approximately 1 linear foot located on the interior of the building. The transite pipe is generally in good condition and covers an area of approximately 15 linear feet.

Black Tar Paper

Black asbestos-containing tar paper is located on both the interior and exterior sides of the metal roof. The tar paper is generally in good to fair condition, although damaged sections of the tar paper were noted during the inspection. Visible black asbestos-containing debris (tar paper) was observed on both the interior and exterior ground surfaces around the building. The tar paper covers an area of approximately 1,325 square feet.

Note: *New York State Regulations currently consider this condition to represent an “Incidental Asbestos Disturbance”. See “Section V, Observations and Cautionary Statements” for additional information.*

PCB-Containing Materials

Historical reports (see Appendix F for more information) indicate that PCB containing materials were used and stored within Building #8. Previous testing results, performed by Day Environmental and HDR, indicate that PCBs exist at concentrations >50 ppm (and less than <500 ppm) in concrete chip and wipe samples collected in the vicinity of the former transformers, and in concrete chip samples collected in the southwestern and southern portions of Building #8. PCBs were also identified in the floor trench, south of the battery rack at concentrations >50 ppm (and less than <500 ppm). Refer to Appendix F for additional information relating to historical sampling at the project site.

Caulking and Glazing Compounds

It has recently been discovered that certain caulking and glazing compounds have the potential to contain PCBs. Caulking and glazing compounds containing equal to or greater than 50 ppm PCB must be disposed of as PCB-Contaminated hazardous waste. Therefore, caulking and a glazing compounds were observed, sampled and analyzed for the presence of PCBs. Based on laboratory analysis, these caulking and glazing compounds are **not** considered to be PCB-Contaminated (i.e. NOT $\geq$ 50 ppm PCBs).



Liquid-Filled Transformers

At the time of inspection, three 200 KVA oil filled transformers were observed. Older vintage liquid-filled transformers manufactured prior to 1980 typically contained PCB oil. All three transformers were labeled with “No PCB” stickers, indicating prior PCB removal had occurred.

Concrete Chip Sampling

In an effort to characterize the existing conditions within Building #8 prior to demolition, LaBella conducted additional composite concrete chip sampling throughout the interior of the building. Concrete chip sampling was conducted in accordance with the EPA’s Standard Operating Procedure for sampling porous surfaces for Polychlorinated Biphenyls dated May 2011. An impact drill equipped with a carbide drill bit was used to generate concrete powder for sample collection. Each location was pre-cleaned prior to sample collection in order to eliminate any potential contaminants. Samples were collected to a depth of approximately ½-inch, with multiple holes located adjacently in order to generate sufficient sample volumes for PCB determination.

Concrete chip samples were submitted to Alpha Analytical for PCB determination. All samples were extracted using USEPA method 3540C, and analyzed for PCBs following USEPA Method 8082. Low levels of PCBs were detected in each of the 12 concrete chip samples, and ranged from 0.596 ppm (east wall) to 22.4 ppm (floor). Each of the concrete chip samples taken on July 7, 2020 fell below the EPA “PCB bulk product waste” value of ≥ 50 ppm PCBs.

Wipe Sampling

Additionally, PCB wipe samples were collected from smooth and nonporous, unpainted surfaces throughout the building. This included, but was not limited to, windows, utility boxes, transformers, and structural steel. For each sample location, individual 100 square centimeter (cm²) templates were used for the collection area. Laboratory provided hexane-treated gauze pads were used to wipe the sample area, making sure to be mindful to apply uniform pressure during each swipe. Each location was wiped in three horizontal swiping motions followed by three vertical swiping motions. Samples were labeled and submitted to Alpha Analytical for PCB determination.

Wipe samples were extracted using USEPA method 3550B, and analyzed for PCBs following USEPA Method 8082. Of the fifteen (15) PCB wipe samples taken during the July 7, 2020 sampling event, 13 of samples revealed low levels of PCBs ranging from 0.113 ug/100cm² to 1.05 ug/100cm². The other two samples (Window C1 & N I-Beam W Side 3) were non-detect.

Handling and disposal of all materials impacted by PCBs at the project site should be conducted in accordance with 40 CFR Part 761 – Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions. For a full summary of laboratory analytical reports, please refer to Appendix D.

Lead – Based Paint

Several representative interior and exterior painted surfaces were observed and tested for the presence of lead-based paint using XRF testing procedures. Lead-based components include:

- Gray painted metal window sashes;
- Gray metal cable;
- Gray painted metal transformers; and
- White painted metal fence post.

In accordance with Environmental Protection Agency (EPA) protocols, no other materials were observed or tested which contain lead above the action level threshold of 1.0 mg/cm².



The buildings and spaces inspected for this project do not include or comprise residential spaces applicable to the requirements of EPA lead-based paint management regulations. Therefore, EPA 40 Code of Federal Regulations (CFR) 745: Lead-Based Paint Renovation, Repair and Painting (RRP) Program Rule and HUD requirements do not apply. However, lead was detected at low concentrations in a variety of other building materials (i.e., walls, grate, I-Beam, etc.). Renovation and demolition contractors should be informed of the presence of lead for OSHA compliance considerations.

For purposes of reading this report, and understanding which wall or component in a particular space was sampled, walls were assigned the letters A, B, C, or D. The wall labeled as “A” is the address side of the building; walls B, C, and D will follow clockwise in succession.

VI. OBSERVATIONS AND CAUTIONARY STATEMENTS

Black Tar Paper

As stated earlier, the presence of damaged asbestos-containing tar paper observed on the interior and exterior of the building represent an “Incidental Asbestos Disturbance” scenario as defined by New York State Asbestos Regulations, (i.e. Industrial Code Rule 56). According to these regulations, personnel access to the areas affected shall be restricted until such time as the material is cleaned up by a licensed asbestos abatement contractor. The clean-up of this material shall take place as soon as possible.

For contamination cleanup scenarios, the notifiable quantity is the square footage of potentially contaminated surfaces. In addition, any cleanup scenario over a minor size (10 SF), requires a site-specific variance. While on site, the extent of contamination was quantified and assessed in accordance with all New York State Regulations. The certified asbestos inspector used his professional experience, as well as bulk sampling/analysis of the debris/residue, to define the limits of the contamination that must be cleaned up. The total quantity of disturbances on the interior and exterior of the building indicate a large project scenario (approximately 825 square feet), as well as the need for a site specific variance. The data collected during the inspection can be incorporated into a site- specific emergency variance application.

Vermiculite

Vermiculite has been used as loose insulation in attics, walls, CMU block, and as a component of plaster, fireproofing and other building materials. The NYS Department of Health considers Vermiculite to be an asbestos-containing material, and that building materials containing more than 10% Vermiculite should be treated as asbestos-containing.

Vermiculite was **not** observed in materials inspected for this project. Several preexisting holes and sections of the CMU block were missing and no loose fill vermiculite was observed. However, cautionary measures should still be taken during construction, renovation, and demolition to ensure that proper steps are taken if Vermiculite is discovered in previously inaccessible locations. If Vermiculite is discovered, work should be stopped immediately to address the issue and prevent the uncontrolled release and distribution of an asbestos-containing material.

Potentially Hidden/Inaccessible RBMs

Although this inspection was conducted in a manner consistent with recognized professional practices, the potential does exist for additional RBMs to be inaccessible, hidden, and undiscovered in the area inspected.

Asbestos Bulk Sample Summary Table

Asbestos Bulk Sample Summary Table

Pre-Demolition Regulated Building Materials Inspection
Former Air Force Plant No. 51, Building 8
4777 Dewey Avenue
Rochester, New York 14612

Items in Bold are Confirmed ACM

<i>Sample #</i>	<i>Type of Material</i>	<i>Sample Location</i>	<i>Results % Asbestos</i>
1A	Black Paper	Inside Panel Box in Transformer Room	None Detected
1B	Black Paper	Inside Panel Box in Transformer Room	None Detected
2A	Brown Transite	Inside Panel Boxes	None Detected
2B	Brown Transite	Inside Panel Boxes	None Detected
3A	Gray Transite	Inside Panel Boxes	Chrysotile 29%
3B	Gray Transite	Inside Panel Boxes	Not Analyzed Duplicate of 3A
4A	Black Transite	Panel in Wall of Transformer Room	Chrysotile 33%
4B	Black Transite	Panel in Wall of Transformer Room	Not Analyzed Duplicate of 4A
5A	Black Window Caulk	Around Window Frame on Interior of Windows	Chrysotile 11%
5B	Black Window Caulk	Around Window Frame on Interior of Windows	Not Analyzed Duplicate of 5A
6A	Gray Window Glazing Compound	Around Glass Panes of Window	None Detected
6B	Gray Window Glazing Compound	Around Glass Panes of Window	None Detected
7A	Gray Transite Pipe	Flue Pipe By Suspended Heater on Interior of Building	Chrysotile 25%
7B	Gray Transite Pipe	Flue Pipe Along Exterior of Building	Not Analyzed Duplicate of 7A
8A	Black Tar	Between Roof and CMU Blocks on Interior of Building	None Detected
8B	Black Tar	Between Roof and CMU Blocks on Interior of Building	None Detected
9A	Black Roofing Cement	Along CMU Block on Interior Walls	Chrysotile 16%
9B	Black Roofing Cement	Along CMU Block on Interior Walls	Not Analyzed Duplicate of 9A
10A	Black Tar Paper	On Metal Roof	Chrysotile 57%
10B	Black Tar Paper	On Metal Roof	Not Analyzed Duplicate of 10A
11A	Black Debris	On Ground in the Transformer Room	Chrysotile 50%

Appendix A

Inspection Fact Sheet

Inspection Fact Sheet

Name and Address of Building/Structure

Former Air Force Plant No. 51, Building 8

4777 Dewey Avenue

Rochester, New York 14612

Name and Address of Building/Structure Owner

New York State Department of Environmental Conservation

Bureau of Environmental Remediation

625 Broadway

Albany, New York

Name and Address of Owner's Agent

LaBella Associates, D.P.C.

300 State Street, Suite 201

Rochester, New York 14614

Name of the Firm & Person Conducting the Inspection

LaBella Associates, D.P.C.

Chris Enright (NYS DOL Cert. #06-08603)

Cory Stamp (LBP-R-1206349-1)

Dates the Inspection Was Conducted

July 6 & 7, 2020

Appendix B

Sample Location Drawings

Project Number: 2161937.049

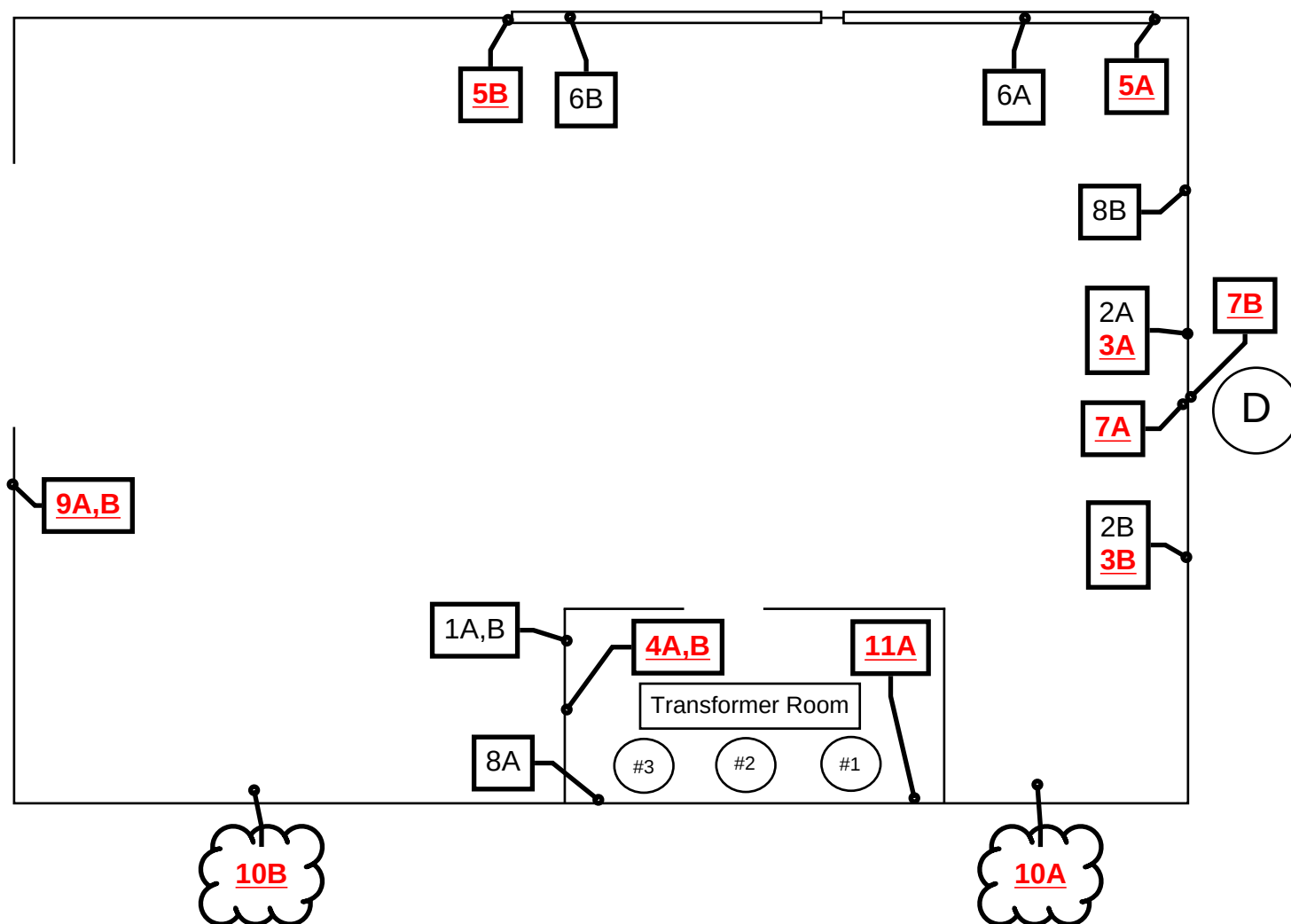
Former Air Force Plant No. 51

Building #8

Interior/Exterior Bulk Samples

C

Roofing
Samples



B

D

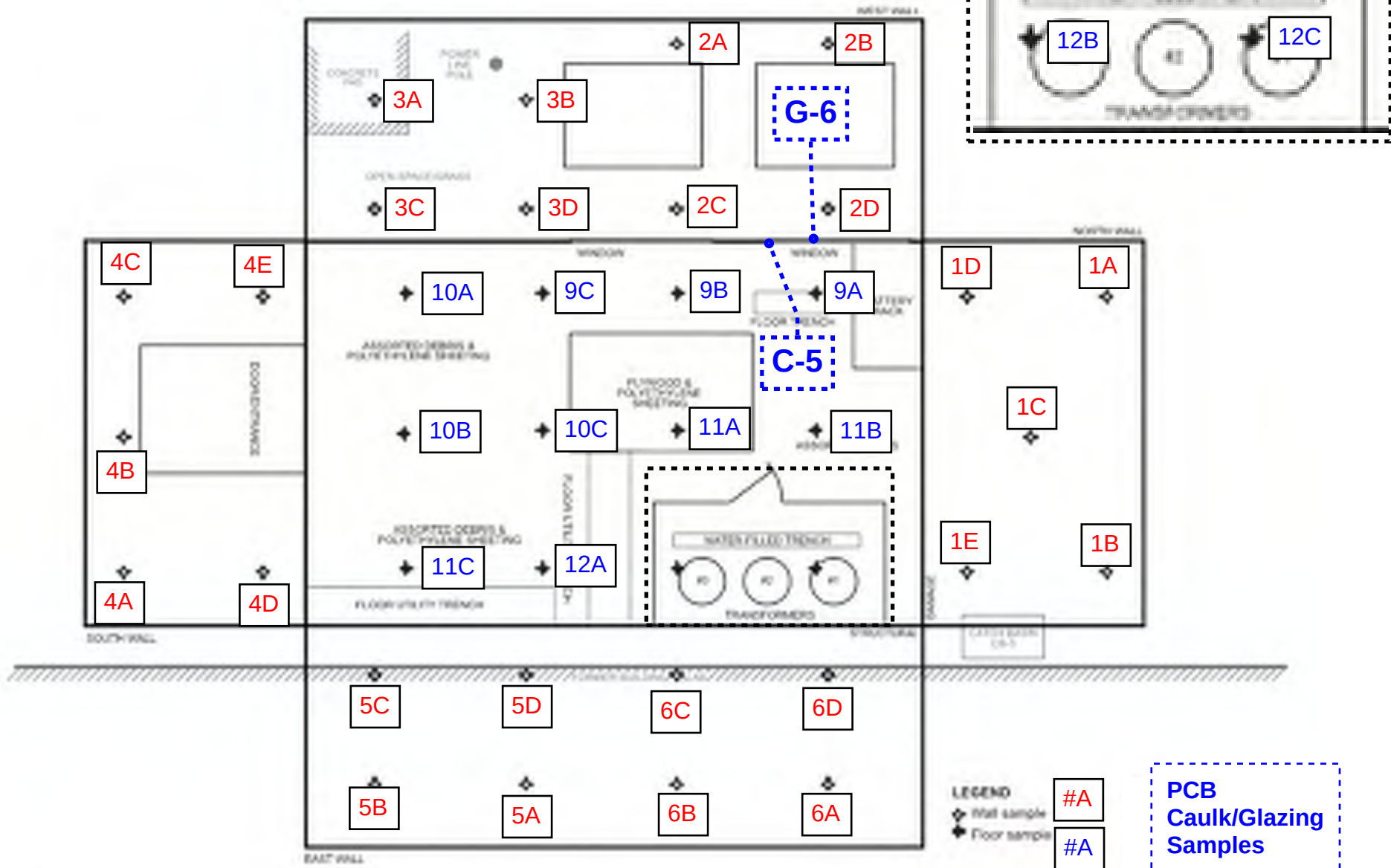
A

Confirmed ACM **Bold and Underlined**

N →

Building 8 PCB Concrete Chip Sample Locations

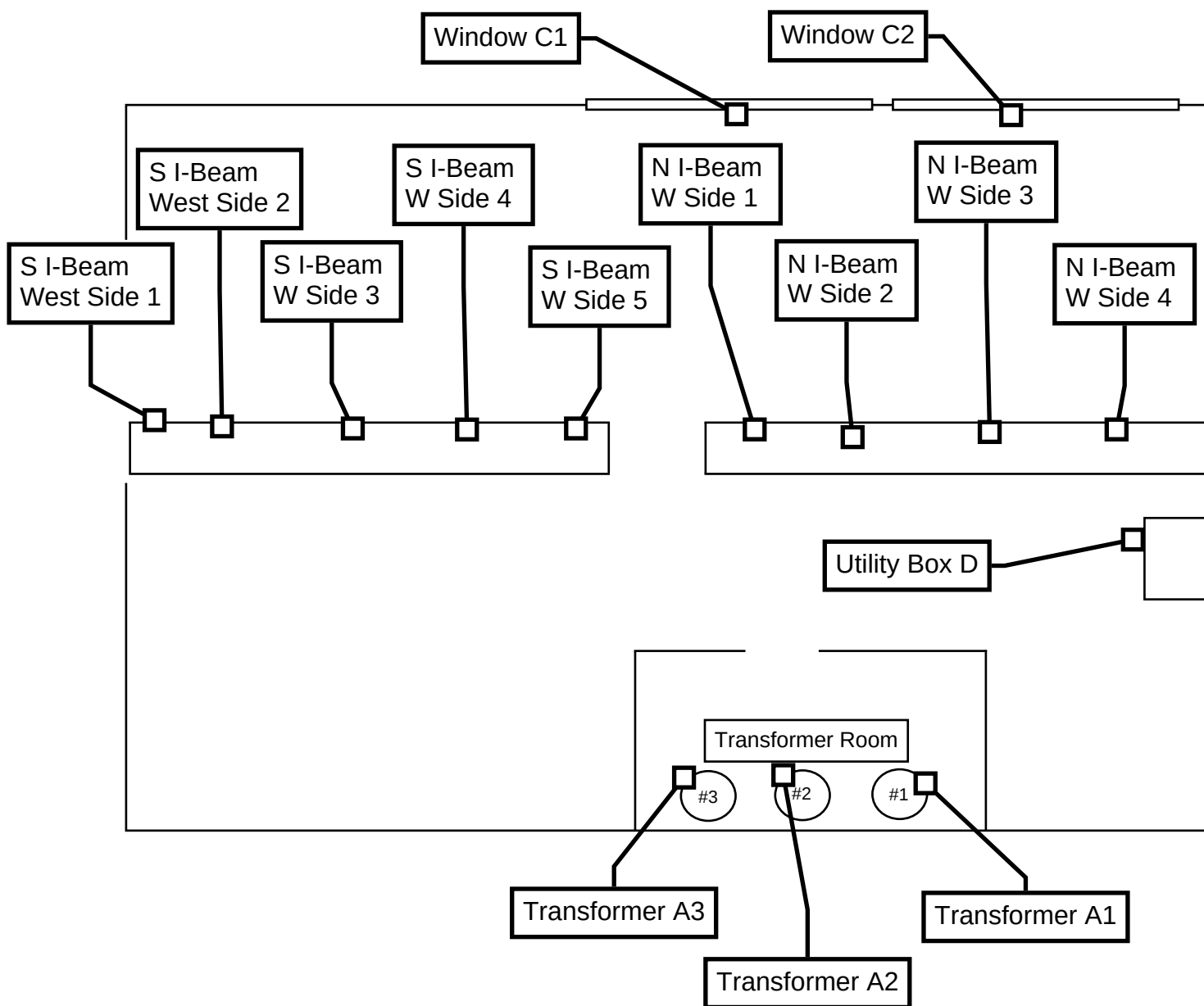
July 7, 2020
LaBella Project No. 2161937.049



N →

Building 8 PCB Wipe Sample Locations

July 7, 2020
LaBella Project No. 2161937.049



Appendix C

Inspection Photos



Photo 1
Building 8 interior and
transformer room, looking north



Photo 2
Building 8 interior, looking south



Photo 3
Transformer room interior

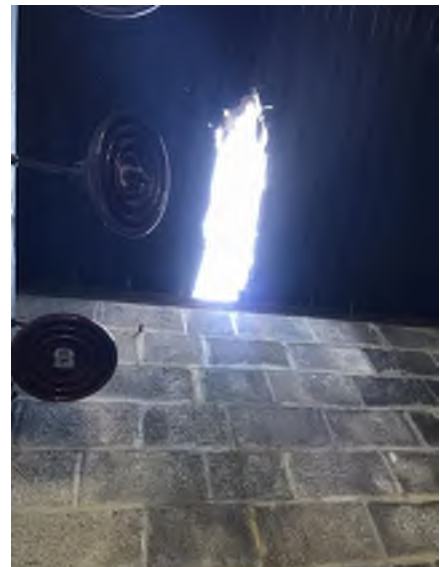


Photo 4
Roof damage in the transformer
room



Photo 5

Gray asbestos-containing transite located inside the panel boxes

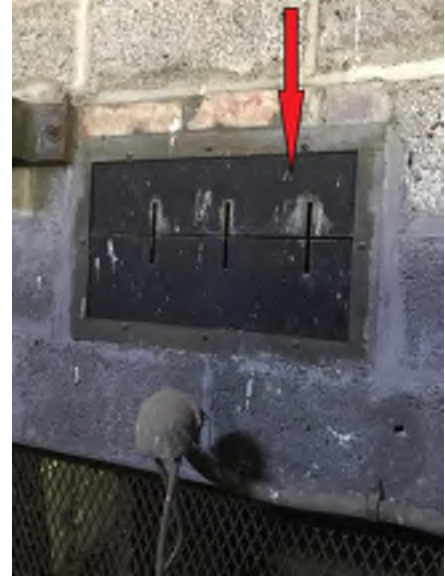


Photo 6

Black asbestos-containing transite located in the wall of the transformer room



Photo 7

Black asbestos-containing window caulk located around the window frame on the interior of the building



Photo 8

Gray asbestos-containing transite pipe located along the exterior of the building



Photo 9
Black asbestos-containing roofing
cement located along the CMU
blocks on the interior of the
building



Photo 10
Black asbestos-containing tar
paper located on the metal roof



Photo 11
Black asbestos-containing debris
located on the ground of the
interior of the building



Photo 12
Black asbestos-containing debris
located on the ground of the
exterior of the building



Photo 13

A fence post with white lead-based paint located along the concrete in front of the building



Photo 14

Both interior window sashes contain gray lead-based paint



Photo 15

All three transformers contain black lead-based paint



Photo 16

Lead-based metal cable

Appendix D

Laboratory Analytical Reports

Asbestos Results

LABELLA ASSOCIATES, P. C.
ANALYTICAL LABORATORY
300 STATE STREET
ROCHESTER, NY 14614
(585) 454-6110 FAX(585) 454-3066

ELAP # 11184
AMA Lab TEM ELAP# 10920

PLM Methods: 198.1, 198.4, & 198.6
RSD: 14.2%

LABELLA PROJECT # 2161937

CLIENT: Labella Associates
ADDRESS: 300 State Street
Rochester, NY 14614

SAMPLE TYPE: PLM Bulk

SAMPLE DATE: 07/06/2020

PROJECT LOCATION: Air Force Plant 51-Bldg. #8

Lab Supervisor:

Date: _____

G - Gravimetric Matrix Reduction; Sample residue weight <1% of original sample weight, TEM not required. Vermiculite: Vermiculite is reported as an asbestos-containing mineral in accordance with NYSDOH determinations. See NYSDOH guidance, available upon request.

1 "Polarized-light microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can be used to determine if this material can be considered to be non-asbestos containing."

**ASBESTOS SAMPLING SURVEY
BULK SAMPLE LOG
AND CHAIN OF CUSTODY**

Location: Air Force Plant SI - Bldg #8
4777 Dewey Ave, Rochester

Client: DEC

Job No.: 2161937

Rates: Standard

Date: 7/6/20

Relinquished by: Chris Enright

Sampled By: Chris Enright

Received by: Matt Smith

LaBella Lab No.: 47520

Number of Samples: _____

STOP Positive: (YES) NO

Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount
G 1 1A	Inside panel box by transformers	Black Paper	
G 2 1B	"	"	
P 3 2A	Inside panel boxes	Brown Transite	
P 4 2B	"	"	
+N 5 3A	Inside panel boxes	Gray Transite	
V 3B	"	"	
+N 6 4A	Board in wall by transformers	Black Transite	
V 4B	"	"	
+N 7 5A	Around window frame	Black window Caulk	
V 5B	"	"	
T 8 6A	Around glass panels of window	Gray window glazing compound	
T 9 6B	"	"	
+N 10 7A	Pipe along exterior of bldg	Gray Transite Pipe	
V 7B	"	"	
G 11 8A	Between roof & CMU on interior	Black Tar	
G 12 8B	"	"	
+N 13 9A	Along CMU block on interior	Black roofing cement	
V 9B	"	"	
+N 14 10A	On metal roof	Black Tar paper	
V 10B	"	"	
+N 15 11A	on ground by transformer (Interior)	Black Debris	

Lead Results

XRF Lead Sampling Summary Table
Former Air Force Plant No. 51, Building 8
4777 Dewey Avenue
Rochester, New York 14423
LaBella Project No. 2161937.049

Reading No.	Location (Room)	Wall (A, B, C D) & Structure	Substrate	Color	XRF Result
1	Calibration Check	-----	-----	-----	PASS
2	Main Room Interior	C, Window Sash 1	Metal	Gray	2.24+ P
3	Main Room Interior	C, Window Sash 2	Metal	Gray	2.39+ P
4	Main Room Interior	D, Rack	Metal	Gray	0.04
5	Main Room Interior	D, Air Conditioning Unit	Metal	Gray	0.00
6	Main Room Interior	D, Switch Box	Metal	Gray	0.00
7	Main Room Interior	A, Gate	Metal	Gray	0.01
8	Main Room Interior	A, Gate Case	Metal	Gray	0.00
9	Main Room Interior	Ceiling I-Beam	Metal	Black	0.01
10	Main Room Interior	A, Box	Metal	Silver	0.00
11	Main Room Interior	C, Switch Box	Metal	Silver	0.00
12	Main Room Interior	C, Breaker Box	Metal	Silver	0.00
13	Transformer Room	B, Cable	Metal	Gray	5.00+ I
14	Transformer Room	B, Cable Conduit	Metal	Gray	0.00
15	Transformer Room	A, Transformer 1	Metal	Gray	3.01+ P
16	Transformer Room	A, Transformer 2	Metal	Gray	2.68+ P
17	Transformer Room	A, Transformer 3	Metal	Gray	2.00+ P
18	Transformer Room	D, Grate	Metal	Gray	0.12
19	Transformer Room	B, Cable Sleeve	Metal	Gray	0.28
20	Transformer Room	B, Switch Box	Metal	Black	0.00
21	Transformer Room	C, Fence	Metal	Gray	0.00
22	Exterior	C	CMU	White	0.02
23	Exterior	D	CMU	White	0.03
24	Exterior	D, Fence Post	Metal	White	1.31+ P

I = Intact Condition. No visible damage or deterioration

P = Poor Condition. Paint is chipped, peeling, or otherwise damaged

XRF Lead Sampling Summary Table
Former Air Force Plant No. 51, Building 8
4777 Dewey Avenue
Rochester, New York 14423
LaBella Project No. 2161937.049

Reading No.	Location (Room)	Wall (A, B, C D) & Structure	Substrate	Color	XRF Result
25	Calibration Check	-----	-----	-----	PASS

I = Intact Condition. No visible damage or deterioration
P = Poor Condition. Paint is chipped, peeling, or otherwise damaged

PCB Results



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Labella Associates (1126)
Address: 300 State Street
Rochester, NY 14614-1098

Order #: 376702

Matrix Bulk
Received 07/08/20
Reported 07/09/20

Attn:

Project: Air Force Plant 51-Building #8
Location: 4777 Dewey Ave, Rochester NY
Number: 2161937

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
376702-001	C-5						
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1221		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1232		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1242		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1248		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1254		SW846 8082A	22100	2300	µg/kg	07/08/20	AE
Aroclor - 1260		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1262		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1268		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
PCB - Surrogate Recoveries							
DCB		D					
TCMX		D					
376702-002	G-6						
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1221		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1232		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1242		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1248		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1254		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1260		SW846 8082A	2310	495	µg/kg	07/08/20	AE
Aroclor - 1262		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1268		SW846 8082A	<496	495	µg/kg	07/08/20	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Labella Associates (1126)
Address: 300 State Street
Rochester, NY 14614-1098

Order #: 376702

Matrix Bulk
Received 07/08/20
Reported 07/09/20

Attn:

Project: Air Force Plant 51-Building #8
Location: 4777 Dewey Ave, Rochester NY
Number: 2161937

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
376702-07/09/20 03:30 PM							

Reviewed By: **Jennifer Lee**
Manager

State Certifications

Method	Parameter	New York	Virginia
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified

State	Certificate Number
New York	ELAP 61372
Virginia	VELAP 10779

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



ANALYTICAL REPORT

Lab Number:	L2028529
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jarrold Miner
Phone:	(585) 454-6110
Project Name:	BLDG 8, FORMER A.F. BASE S1
Project Number:	2161937.049
Report Date:	07/14/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2028529-01	1A-E NORTH	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:10	07/07/20
L2028529-02	2A-D WEST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:20	07/07/20
L2028529-03	3A-D WEST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:35	07/07/20
L2028529-04	4A-E SOUTH	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:45	07/07/20
L2028529-05	5A-D EAST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:00	07/07/20
L2028529-06	6A-D EAST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:10	07/07/20
L2028529-07	7A-C INTERIOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:15	07/07/20
L2028529-08	8A-C INTERIOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:20	07/07/20
L2028529-09	9A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:25	07/07/20
L2028529-10	10A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:35	07/07/20
L2028529-11	11A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:40	07/07/20
L2028529-12	12A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:50	07/07/20
L2028529-13	WINDOW C1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:30	07/07/20
L2028529-14	WINDOW C2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:32	07/07/20
L2028529-15	TRANSFORMER A1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:35	07/07/20
L2028529-16	TRANSFORMER A2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:40	07/07/20
L2028529-17	TRANSFORMER A3	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:42	07/07/20
L2028529-18	UTILITY BOX D	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:50	07/07/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2028529-19	S I-BEAM WEST SIDE 1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:51	07/07/20
L2028529-20	S I-BEAM WEST SIDE 2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:52	07/07/20
L2028529-21	S I-BEAM W SIDE 3	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:53	07/07/20
L2028529-22	S I-BEAM W SIDE 4	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:54	07/07/20
L2028529-23	S I-BEAM W SIDE 5	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:55	07/07/20
L2028529-24	N I-BEAM W SIDE 1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:56	07/07/20
L2028529-25	N I-BEAM W SIDE 2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:57	07/07/20
L2028529-26	N I-BEAM W SIDE 3	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:58	07/07/20
L2028529-27	N I-BEAM W SIDE 4	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:59	07/07/20

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

L2028529-02, -03, -05, -07 contains peaks which match the retention times for Aroclor 1260, but do not match the area ratios typical for this aroclor. The result for Aroclor 1260 is reported as "altered".

L2028529-09 and -11: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%,0%) and decachlorobiphenyl (0%,0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Jennifer L Clements

Title: Technical Director/Representative

Date: 07/14/20

ORGANICS

PCBS

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-01
Client ID: 1A-E NORTH
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 04:39
Analyst: AD
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	93.4	8.30	1	A
Aroclor 1221	ND		ug/kg	93.4	9.36	1	A
Aroclor 1232	ND		ug/kg	93.4	19.8	1	A
Aroclor 1242	ND		ug/kg	93.4	12.6	1	A
Aroclor 1248	ND		ug/kg	93.4	14.0	1	A
Aroclor 1254	ND		ug/kg	93.4	10.2	1	A
Aroclor 1260	873		ug/kg	93.4	17.3	1	B
Aroclor 1262	ND		ug/kg	93.4	11.9	1	A
Aroclor 1268	ND		ug/kg	93.4	9.68	1	A
PCBs, Total	873		ug/kg	93.4	8.30	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	110		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-02 **D**
Client ID: 2A-D WEST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 09:40
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	470	41.8	5	A
Aroclor 1221	ND		ug/kg	470	47.2	5	A
Aroclor 1232	ND		ug/kg	470	99.8	5	A
Aroclor 1242	ND		ug/kg	470	63.4	5	A
Aroclor 1248	ND		ug/kg	470	70.6	5	A
Aroclor 1254	ND		ug/kg	470	51.5	5	A
Aroclor 1260	1430		ug/kg	470	87.0	5	B
Aroclor 1262	ND		ug/kg	470	59.8	5	A
Aroclor 1268	ND		ug/kg	470	48.8	5	A
PCBs, Total	1430		ug/kg	470	41.8	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	95		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-03 **D**
Client ID: 3A-D WEST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 09:49
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	494	43.9	5	A
Aroclor 1221	ND		ug/kg	494	49.5	5	A
Aroclor 1232	ND		ug/kg	494	105.	5	A
Aroclor 1242	ND		ug/kg	494	66.6	5	A
Aroclor 1248	ND		ug/kg	494	74.1	5	A
Aroclor 1254	ND		ug/kg	494	54.0	5	A
Aroclor 1260	1250		ug/kg	494	91.3	5	B
Aroclor 1262	ND		ug/kg	494	62.8	5	A
Aroclor 1268	ND		ug/kg	494	51.2	5	A
PCBs, Total	1250		ug/kg	494	43.9	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	89		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-04
Client ID: 4A-E SOUTH
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:45
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 05:15
Analyst: AD
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	85.3	7.58	1	A
Aroclor 1221	ND		ug/kg	85.3	8.55	1	A
Aroclor 1232	ND		ug/kg	85.3	18.1	1	A
Aroclor 1242	ND		ug/kg	85.3	11.5	1	A
Aroclor 1248	ND		ug/kg	85.3	12.8	1	A
Aroclor 1254	ND		ug/kg	85.3	9.34	1	A
Aroclor 1260	853		ug/kg	85.3	15.8	1	A
Aroclor 1262	ND		ug/kg	85.3	10.8	1	A
Aroclor 1268	ND		ug/kg	85.3	8.84	1	A
PCBs, Total	853		ug/kg	85.3	7.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	146		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	106		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-05 **D**
Client ID: 5A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:00
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 09:57
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	453	40.2	5	A
Aroclor 1221	ND		ug/kg	453	45.4	5	A
Aroclor 1232	ND		ug/kg	453	96.1	5	A
Aroclor 1242	ND		ug/kg	453	61.1	5	A
Aroclor 1248	ND		ug/kg	453	68.0	5	A
Aroclor 1254	ND		ug/kg	453	49.6	5	A
Aroclor 1260	1260		ug/kg	453	83.8	5	B
Aroclor 1262	ND		ug/kg	453	57.6	5	A
Aroclor 1268	ND		ug/kg	453	47.0	5	A
PCBs, Total	1260		ug/kg	453	40.2	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	102		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-06
Client ID: 6A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 05:38
Analyst: AD
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	86.2	7.66	1	A
Aroclor 1221	ND		ug/kg	86.2	8.64	1	A
Aroclor 1232	ND		ug/kg	86.2	18.3	1	A
Aroclor 1242	ND		ug/kg	86.2	11.6	1	A
Aroclor 1248	ND		ug/kg	86.2	12.9	1	A
Aroclor 1254	ND		ug/kg	86.2	9.44	1	A
Aroclor 1260	596		ug/kg	86.2	15.9	1	A
Aroclor 1262	ND		ug/kg	86.2	11.0	1	A
Aroclor 1268	ND		ug/kg	86.2	8.94	1	A
PCBs, Total	596		ug/kg	86.2	7.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	106		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-07
Client ID: 7A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:15
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 05:50
Analyst: JM
Percent Solids: 100%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	92.9	8.25	1	A
Aroclor 1221	ND		ug/kg	92.9	9.31	1	A
Aroclor 1232	ND		ug/kg	92.9	19.7	1	A
Aroclor 1242	ND		ug/kg	92.9	12.5	1	A
Aroclor 1248	ND		ug/kg	92.9	13.9	1	A
Aroclor 1254	ND		ug/kg	92.9	10.2	1	A
Aroclor 1260	1080		ug/kg	92.9	17.2	1	A
Aroclor 1262	ND		ug/kg	92.9	11.8	1	A
Aroclor 1268	ND		ug/kg	92.9	9.62	1	A
PCBs, Total	1080		ug/kg	92.9	8.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	109		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-08
Client ID: 8A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 06:02
Analyst: AD
Percent Solids: 100%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	86.4	7.67	1	A
Aroclor 1221	ND		ug/kg	86.4	8.66	1	A
Aroclor 1232	ND		ug/kg	86.4	18.3	1	A
Aroclor 1242	ND		ug/kg	86.4	11.6	1	A
Aroclor 1248	ND		ug/kg	86.4	13.0	1	A
Aroclor 1254	ND		ug/kg	86.4	9.45	1	A
Aroclor 1260	746		ug/kg	86.4	16.0	1	A
Aroclor 1262	ND		ug/kg	86.4	11.0	1	A
Aroclor 1268	ND		ug/kg	86.4	8.95	1	A
PCBs, Total	746		ug/kg	86.4	7.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	97		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-09 **D**
Client ID: 9A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:25
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 10:11
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1780	158.	20	A
Aroclor 1221	ND		ug/kg	1780	179.	20	A
Aroclor 1232	ND		ug/kg	1780	378.	20	A
Aroclor 1242	ND		ug/kg	1780	240.	20	A
Aroclor 1248	ND		ug/kg	1780	267.	20	A
Aroclor 1254	ND		ug/kg	1780	195.	20	A
Aroclor 1260	16800		ug/kg	1780	329.	20	B
Aroclor 1262	ND		ug/kg	1780	226.	20	A
Aroclor 1268	ND		ug/kg	1780	185.	20	A
PCBs, Total	16800		ug/kg	1780	158.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-10 D
Client ID: 10A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 10:04
Analyst: JAW
Percent Solids: 98%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	459	40.7	5	A
Aroclor 1221	ND		ug/kg	459	46.0	5	A
Aroclor 1232	ND		ug/kg	459	97.3	5	A
Aroclor 1242	ND		ug/kg	459	61.8	5	A
Aroclor 1248	ND		ug/kg	459	68.8	5	A
Aroclor 1254	ND		ug/kg	459	50.2	5	A
Aroclor 1260	6880		ug/kg	459	84.8	5	B
Aroclor 1262	ND		ug/kg	459	58.3	5	A
Aroclor 1268	ND		ug/kg	459	47.5	5	A
PCBs, Total	6880		ug/kg	459	40.7	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	90		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20**SAMPLE RESULTS**

Lab ID: L2028529-11 D
 Client ID: 11A-C FLOOR
 Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:40
 Date Received: 07/07/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 07/13/20 10:19
 Analyst: JAW
 Percent Solids: 99%

Extraction Method: EPA 3540C
 Extraction Date: 07/12/20 00:55
 Cleanup Method: EPA 3665A
 Cleanup Date: 07/12/20
 Cleanup Method: EPA 3660B
 Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1900	169.	20	A
Aroclor 1221	ND		ug/kg	1900	190.	20	A
Aroclor 1232	ND		ug/kg	1900	403.	20	A
Aroclor 1242	ND		ug/kg	1900	256.	20	A
Aroclor 1248	ND		ug/kg	1900	285.	20	A
Aroclor 1254	ND		ug/kg	1900	208.	20	A
Aroclor 1260	22400		ug/kg	1900	351.	20	B
Aroclor 1262	ND		ug/kg	1900	242.	20	A
Aroclor 1268	ND		ug/kg	1900	197.	20	A
PCBs, Total	22400		ug/kg	1900	169.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-12
Client ID: 12A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:50
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 06:49
Analyst: AD
Percent Solids: 98%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	98.2	8.72	1	A
Aroclor 1221	ND		ug/kg	98.2	9.84	1	A
Aroclor 1232	ND		ug/kg	98.2	20.8	1	A
Aroclor 1242	ND		ug/kg	98.2	13.2	1	A
Aroclor 1248	ND		ug/kg	98.2	14.7	1	A
Aroclor 1254	ND		ug/kg	98.2	10.7	1	A
Aroclor 1260	886		ug/kg	98.2	18.2	1	A
Aroclor 1262	ND		ug/kg	98.2	12.5	1	A
Aroclor 1268	ND		ug/kg	98.2	10.2	1	A
PCBs, Total	886		ug/kg	98.2	8.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	75		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-13
Client ID: WINDOW C1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:30
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 22:36
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	ND		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	ND		ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	73		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-14
Client ID: WINDOW C2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:32
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 22:48
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.153	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.098	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.251	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	86		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-15
Client ID: TRANSFORMER A1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:00
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.771		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.279	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	1.05	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	83		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-16
Client ID: TRANSFORMER A2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:40
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:12
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.901		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.901		ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	74		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-17
Client ID: TRANSFORMER A3
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:42
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:24
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.113	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.113	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	75		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-18
Client ID: UTILITY BOX D
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:50
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:36
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.342	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.165	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	0.507	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	79		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-19
Client ID: S I-BEAM WEST SIDE 1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:51
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:47
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.471	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.202	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.673	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	80		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-20
Client ID: S I-BEAM WEST SIDE 2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:52
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:59
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.450	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.188	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.638	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	84		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-21
Client ID: S I-BEAM W SIDE 3
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:53
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:11
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.496	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.173	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	0.669	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	68		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-22
Client ID: S I-BEAM W SIDE 4
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:54
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:23
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.585		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.203	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	0.788	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	71		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-23
Client ID: S I-BEAM W SIDE 5
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:55
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:35
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.123	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.060	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.183	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	74		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-24
Client ID: N I-BEAM W SIDE 1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:56
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:47
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.164	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.078	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.242	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	78		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-25
Client ID: N I-BEAM W SIDE 2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:57
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:59
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.292	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.096	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.388	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	79		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-26
Client ID: N I-BEAM W SIDE 3
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:58
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 01:11
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	ND		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	ND		ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	80		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-27
Client ID: N I-BEAM W SIDE 4
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:59
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 01:23
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.452	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.173	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.625	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	78		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/10/20 22:00
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 13-27 Batch: WG1390460-1						
Aroclor 1016	ND		ug/100cm2	0.500	0.044	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	A
Aroclor 1260	ND		ug/100cm2	0.500	0.092	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	A
PCBs, Total	ND		ug/100cm2	0.500	0.044	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	75		30-150	B



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/13/20 04:04
Analyst: AD

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-12 Batch: WG1391227-1						
Aroclor 1016	ND		ug/kg	95.2	8.46	A
Aroclor 1221	ND		ug/kg	95.2	9.54	A
Aroclor 1232	ND		ug/kg	95.2	20.2	A
Aroclor 1242	ND		ug/kg	95.2	12.8	A
Aroclor 1248	ND		ug/kg	95.2	14.3	A
Aroclor 1254	ND		ug/kg	95.2	10.4	A
Aroclor 1260	ND		ug/kg	95.2	17.6	A
Aroclor 1262	ND		ug/kg	95.2	12.1	A
Aroclor 1268	ND		ug/kg	95.2	9.87	A
PCBs, Total	ND		ug/kg	95.2	8.46	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	111		30-150	B



Lab Control Sample Analysis**Batch Quality Control****Project Name:** BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 13-27 Batch: WG1390460-2 WG1390460-3									
Aroclor 1016	77		73		40-140	5		50	A
Aroclor 1260	70		67		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		75		30-150	A
Decachlorobiphenyl	74		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		74		30-150	B
Decachlorobiphenyl	73		69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BLDG 8, FORMER A.F. BASE S1

Lab Number: L2028529

Project Number: 2161937.049

Report Date: 07/14/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1391227-2 WG1391227-3									
Aroclor 1016	98		100		40-140	2		50	A
Aroclor 1260	107		111		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		106		30-150	A
Decachlorobiphenyl	129		137		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		105		30-150	B
Decachlorobiphenyl	111		115		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-01**Client ID:** 1A-E NORTH**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 10:10**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.1		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-02**Client ID:** 2A-D WEST**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 10:20**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.3		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-03
Client ID: 3A-D WEST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.2		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-04**Client ID:** 4A-E SOUTH**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 10:45**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.3		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-05
Client ID: 5A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:00
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.2		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-06
Client ID: 6A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.1		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-07
Client ID: 7A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:15
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.5		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-08
Client ID: 8A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.6		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-09**Client ID:** 9A-C FLOOR**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:25**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.1		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-10**Client ID:** 10A-C FLOOR**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:35**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-11
Client ID: 11A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:40
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.2		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-12
Client ID: 12A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:50
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.9		%	0.100	NA	1	-	07/08/20 16:26	121,2540G	SB



Lab Duplicate Analysis

Batch Quality Control

Project Name: BLDG 8, FORMER A.F. BASE S1

Project Number: 2161937.049

Lab Number: L2028529

Report Date: 07/14/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1390068-1 QC Sample: L2028517-01 Client ID: DUP Sample						
Solids, Total	95.2	95.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG1390097-1 QC Sample: L2028529-12 Client ID: 12A-C FLOOR						
Solids, Total	97.9	97.6	%	0		20

Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2028529-01A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-01B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-02A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-02B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-03A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-03B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-04A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-04B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-05A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-05B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-06A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-06B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-07A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-07B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-08A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-08B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-09A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-09B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-10A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-10B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-11A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-11B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-12A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)

Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2028529-12B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-13A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-14A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-15A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-16A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-17A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-18A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-19A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-20A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-21A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-22A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-23A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-24A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-25A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-26A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-27A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)

Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-896-0220 FAX: 508-896-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 100		Page 2 of 3		Date Rec'd in Lab 7/8/20		ALPHA Job # 62028529			
Client Information Client: Address: Phone: Fax: Email:		Project Information Project Name: Project Location: Project #: (Use Project name as Project #) ☐ Project Manager: ALPHAQuote #: Turn-Around Time: Standard ☐ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUS (1 File) ☐ EQUS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		Please specify Metals or TAL.		ANALYSIS NYTCL-8082 TS NYTCL-8082-3502		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials						
		Date	Time								
28529-11	11A-C Floor	7-7	1140	Concrete	CS	✓	✓		2		
12	12A-C Floor		1150	Concrete	CS	✓	✓		2		
-13	Window C2		0930	W	CS			✓	1		
14	Window C2		0932		CS			✓	2		
-15	Transformer A2		0935		CS			✓	1		
16	Transformer A2		0940		CS			✓	1		
-17	Transformer A3		0942		CS			✓	2		
18	Utility Box D		0950		CS			✓	1		
19	S I-Beam West Side 1		0951		CS			✓	1		
20	S I-Beam West Side 2		0952		CS			✓	1		
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ I/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encone D = BOD Bottle		Westboro: Certification No: MA035 Mansfield: Certification No: MA015		Container Type Preservative		A P A A A O			
Relinquished By:		Date/Time		Received By:		Date/Time		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)			
R Cunningham AAL		7/7/20 17:00		R Cunningham AAL		7/7/20 17:00					

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Main St. TEL: 508-896-8220 FAX: 508-896-8185		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 100		Page 3 of 3		Date Rec'd in Lab 7/8/20		ALPHA Job # 12028529	
Client Information Client: Address: Phone: Fax: Email:		Project Information Project Name: Project Location: Project #: (Use Project name as Project #) ☐ Project Manager: ALPHAQuote #:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQd/S (1 File) ☐ EQd/S (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge	
Turn Around Time Standard ☐ Due Date: Rush (only if pre approved) ☐ # of Days:		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:		Other project specific requirements/comments:		ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)	
These samples have been previously analyzed by Alpha ☐		Please specify Metals or TAL.		Sample Specific Comments		Sample Specific Comments		Sample Specific Comments	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials				
28529-21	SI-Beam W Side 3	7-7	0953	W	CS	✓			1
-22	SI-Beam W Side 4	7-7	0954	W	CS	✓			1
-23	SI-Beam W Side 5		0955	W	CS	✓			1
-24	NI-Beam W Side 1		0956	W	CS	✓			1
-25	NI-Beam W Side 2		0957	W	CS	✓			1
-26	NI-Beam W Side 3		0958	W	CS	✓			1
-27	NI-Beam W Side 4		0959	W	CS	✓			1
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn AcNaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Beaker Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA835 Mansfield: Certification No: MA015		Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By: <i>RCummins/KAM AAL</i>		Date/Time: <i>7/7/20 19:00</i>		Received By: <i>RCummins/KAM AAL</i>		Date/Time: <i>7/7/20 17:00</i>		Date/Time: <i>7/8/20 00:55</i>	

Appendix E

Licenses and Certifications

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

LaBella Associates, D.P.C.
Suite 201
300 State Street
Rochester, NY 14614

FILE NUMBER: 99-1172
LICENSE NUMBER: 29278
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 02/06/2020
EXPIRATION DATE: 02/28/2021

Duly Authorized Representative – Greg Senecal

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

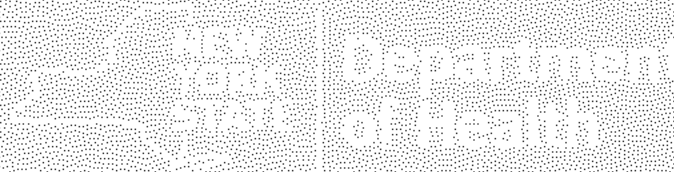
MR. MATTHEW SMITH
LABELLA ASSOCIATES
300 STATE STREET SUITE 200
ROCHESTER, NY 14614

NY Lab Id No: 11184

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)



Serial No.: 61301

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2020
Issued April 01, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

NY Lab Id No: 10920

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total EPA 7000B

Miscellaneous

Asbestos in Friable Material Item 198.1 of Manual
EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM Item 198.4 of Manual
Lead in Dust Wipes EPA 7000B
Lead in Paint EPA 7000B

Sample Preparation Methods

ASTM E-1979-17

Department
of Health

Serial No.: 59486

Property of the New York State Department of Health. Certificates are valid only at the address shown; must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

United States Environmental Protection Agency

This is to certify that

Labella Associates, D.P.C.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires September 26, 2021

LBP-2226-1

Certification #

September 04, 2018

Issued On



Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

United States Environmental Protection Agency

This is to certify that



Cory J Stamp

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires October 24, 2022

LBP-R-I206349-1

Certification #

October 10, 2019

Issued On



John Gorman, Chief

Pesticides & Toxic Substances Branch





AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Schneider Laboratories Global, Inc

2512 West Cary Street, Richmond, VA 23220-5117

Laboratory ID: 100527

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

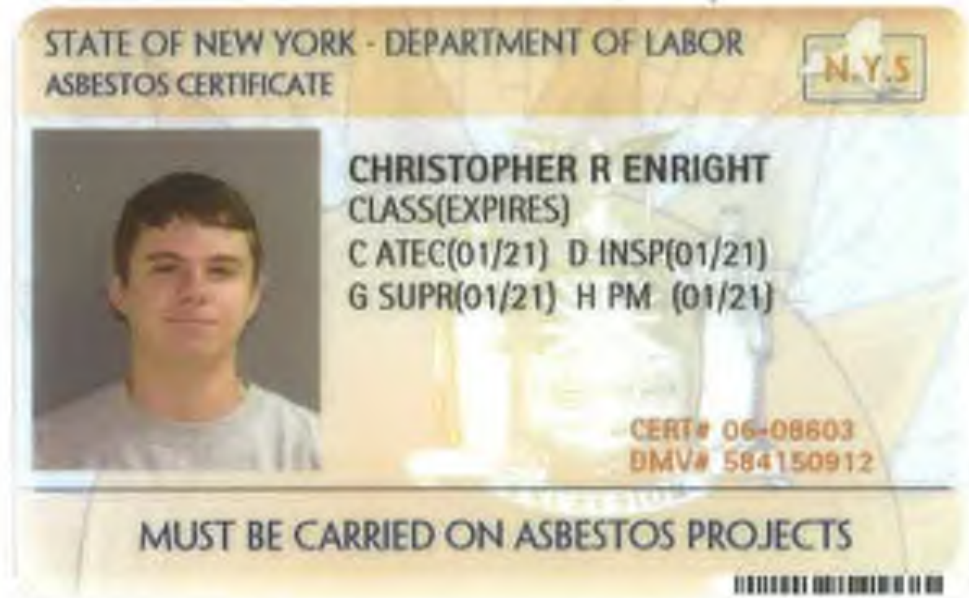
LABORATORY ACCREDITATION PROGRAMS

☒ INDUSTRIAL HYGIENE	Accreditation Expires: July 01, 2021
☒ ENVIRONMENTAL LEAD	Accreditation Expires: July 01, 2021
☒ ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: July 01, 2021
☐ FOOD	Accreditation Expires:
☐ UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC



Appendix F
PCB Sampling Plan
(HDR Engineering, Inc.)

**PCB SAMPLING PLAN
FORMER AIR FORCE PLANT 51 – BUILDING #8
(NYSDEC Site Number 828156)**

**PREPARED FOR
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BUREAU OF ENVIRONMENTAL REMEDIATION
625 BROADWAY
ALBANY, NEW YORK 12233**

**Prepared by
Henningson, Durham & Richardson Architecture and Engineering, P.C.
in association with HDR Engineering, Inc.**

1 International Boulevard
Mahwah, NJ 07495

Date: April 22, 2020

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1.0 INTRODUCTION

This sampling plan has been prepared by Henningson, Durham & Richardson Architecture and Engineering, P.C., in association with HDR Engineering, Inc. (HDR) on behalf of the New York State Department of Environmental Conservation (NYSDEC) to further assess PCB impacts at Building #8 at the Former Air Force Plant 51 (AFP51) site in Greece, New York. This sampling plan considers the U.S. Environmental Protection Agency (EPA) guidance for sampling per 40 CFR Part 761.61(a)(3) in its sampling approach. Implementation of this plan will provide information needed to implement the proposed demolition of Building #8 to the existing slab grade. As such, this plan focuses on the existing Building #8 structure and building materials, along with the floor slab surface. Pending sampling results, the building slab may remain in place or be removed with potential excavation and off-site disposal of sub-slab soils in the future. As described herein, HDR will fully inventory the status and condition of building materials during the proposed sampling event and identify needs for lead-based paint (LBP) and asbestos-containing materials (ACM) surveys of the building that are anticipated to also be required for demolition planning purposes.

As part of NYSDEC Contract D007625, Work Assignment #8, NYSDEC has authorized HDR to prepare and implement this sampling plan to further assess PCB impacts associated with Building #8. Remediation (demolition) support is scoped under Work Assignment #24 (pre-demolition LBP and ACM survey work may also be conducted under Work Assignment #24). Building #8 is part of Operable Unit 2 (OU2), at AFP51 (Figure 1). In 2009, the NYSDEC listed the AFP51 site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. A Class 2 site is a site where hazardous waste presents a significant threat to the public health or the environment and action is required.

2.0 SITE BACKGROUND AND HISTORY

2.1 Site Location and Description

The AFP51 site consists of an approximately 33.6-acre property (addressed as 4777 Dewey Avenue) located in the Town of Greece, New York. It is situated within the tax parcel identified as Block Section 046.01 Block 1 Lot 2.112 on the Monroe County Real Property Portal. Surrounding land use consists of commercial and residential use to the east, undeveloped wooded upland areas to the south, and wooded upland areas leading to wetlands and Round Pond Creek to the west. The Monroe County Water Authority (MCWA) Shoremont Water Treatment Plant is located immediately north of the site and includes remnants of a man-made channel that formerly connected the site to Round Pond and Lake Ontario.

The AFP51 site is currently unoccupied and inactive but remains zoned as light industrial. It includes several large and mid-sized buildings and slabs surrounded by paved areas, roadways, and open fields. Access to portions of the site is controlled by a wire gate. Figure 2 shows an aerial image of the site, with property boundaries, current and demolished buildings and slabs, and other reference features.

Building #8 is located along the western edge of the slab of former Building #1, within the OU2 portion of the site. Building #8 was likely constructed at the same time as Building #1, as it served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switchgear for the Rochester Gas & Electric Co. electric feeder, a 600 KVA oil filled transformer bank housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. Transformers remain on a concrete pad located on the west side of the building. These systems have been decommissioned and are no longer in use.

The general dimensions of Building #8 are approximately 48 feet by 25 feet and cover an approximate area of 1,200 square feet. It is a single story building that contains a single large room with a semi-partitioned portion located along the northeastern wall. The construction materials include cinderblock walls supported by horizontal steel I-beams, a concrete slab floor, and corrugated metal roofing overlain with plywood and tar roofing materials. The semi-partitioned area is the transformer vault, measuring 19 feet by 10 feet, and is composed of cinderblocks, metallic grates, and metallic grate door. Three 200 KVA transformers with “No PCB” stickers, indicating prior PCB removal, are present within this vault (Figure 3). Miscellaneous other materials are noted to exist (e.g., window glaze and caulking; possible painted surfaces) in various conditions. Photographs of Building #8 which were taken in October 2017 are included in the 2017 Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (dated April 3, 2019).

Building #8 has two sets of windows, each measuring 9.25 feet in length and located along the northern half of the western wall. The primary entrance way is located on the southern wall and is partially boarded up with plywood. Two large ventilation hoods are located along the central ridge of the roof, with a smaller exhaust vent serving a now-decommissioned gas fired space heater located along the northern wall.

Several trenches / potential open floor drains are within the concrete floor slab as shown on Figure 3. The largest trench measured approximately two feet across, approximately two feet deep, and runs horizontally from the center portion of the eastern wall to the center of the room. It contains several utility conduits that either trend the length of the conduit or deviate into the concrete retaining wall of the trench and likely continue either as a sub-slab or internal slab conduit. This utility trench continues towards the former Building #1, and was visible during an outside examination of the eastern wall. Additional utility trenches / potential open floor drains exist alongside the southern half of the eastern wall, in front of the battery rack, and within the transformer area as shown on Figure 3. The three transformers present within the transformer cage each contain gateway valves located over the trench, with the trench itself filled with water. Several conduits not contained within utility trenches daylight alongside the western wall and southwestern corner. The terminus of a vast majority of these conduits, whether contained within a utility trench or as a stand-alone sub-slab or interior slab conduit outside Building #8 is unknown.

Based on measurements taken during HDR's screening-level sampling event in October 2017, the concrete slab has variable thickness measuring 10-inches to >18-inches. The thickness of the concrete may exceed 24 inches, based on the depths of open pipe trenches and floor drains observed within Building #8.

Several areas of Building #8 have suspect structural integrity. There is structural damage in the northeast corner of the building sustained during demolition activities of Building #1. Plywood and two-by-four wood beams in that corner provide temporary walls and structural reinforcement. Several vertical fractures in the cinderblock exist along the eastern wall and southern walls where the cinderblock connects with the steel I-beams. Lastly, the roof has several large holes, which daylight (and wildlife) easily penetrates.

In terms of non-structural features, plywood and polyethylene sheets, placed during remedial efforts under the Voluntary Cleanup Program, cover a portion of the Building #8 floor (Figure 3). Electric fuse boxes are present along the walls. A metallic battery rack is present in the northwestern corner with a notable yellow discoloration in the concrete slab beneath this rack. Assorted household debris (e.g., bottles of spray adhesive, old cardboard, tape reels), C&D debris, and fecal matter from nesting birds litter each surface of Building #8 in varying amounts.

2.2 Site History/Past Activities

The manufacturing facility was first owned and operated by the Odenbach Shipbuilding Corporation following its construction in 1942. It has since been occupied by numerous industrial/commercial facilities, including the U.S. government, the A.O. Smith Company, the American Machine and Foundry (AMF), and other private entities.

The plant was originally developed during world war (WW) II by the Odenbach Shipbuilding Corporation to build ocean-going ships. To launch the ships, a man-made, water-filled channel was dredged from the north end of the Building #1, which served as the shipyard, to Round Pond Creek. Today, the remaining portion of the channel (see Figure 2) is owned by the neighboring MCWA Shoremont Water Treatment Plant and used as a settling pond for sediments generated

from filter backwashing. No active discharges from the site to the channel are believed to occur at the current time.

After WWII, the plant was used by the U.S. Department of Defense (DoD) to produce B-52 bulkheads. At that time, the name of the facility was changed to “Air Force Plant 51”. Records indicate that the A.O. Smith Corporation and the American Machine and Foundry (AMF) Company occupied the site in the 1950s. In 1959, the facility was declared excess by the U.S. government. From 1961 to 1963, the property was owned by the MCWA. Since 1963, the facility has been owned by corporate relatives of the current owner, with space leased to a variety of businesses that have included scrap metal recycling and metal plating. Additional information on the site history is presented in the Final Technical Memorandum for Building #8 (HDR, April 2019).

In 2001, the current owner of the property entered the Voluntary Cleanup Program (VCP) to investigate and remediate chemical contamination related to the site. From 2001 to 2008, the owner completed a number of investigations and remediation activities at the site.

In January 2009, the owner ended their participation in the VCP. The site is now being addressed by DEC's Inactive Hazardous Waste Disposal Site program. DEC is currently implementing a remedial program at the site while continuing to identify and pursue parties who are potentially responsible for the contamination in order to recover remediation costs.

2.3 Site Ownership

The former AFP51 site is currently owned by 4800 Dewey Avenue Enterprises, Inc. (Mr. Louis Atkin). It is currently available for sale. The property was put up for auction in 2019, with no apparent offers.

2.4 Current and Proposed Site Uses

The site is currently unoccupied and inactive. As such, there is no proposed site use at this time. Future use of the former AFP51 site is anticipated to remain commercial/industrial, although ownership and specific site development activities might vary in the future.

2.5 Prior Investigation Activities –Building #8

Limited investigative activities were had been conducted to evaluate the presence of contaminants within and beneath Building #8. More recently, multi-media sampling was conducted by HDR to evaluate the extent of contamination for consideration of IRM options or building demolition. It is noted that the HDR October 2017 field investigation is considered as screening-level in support of building demolition; additional data collection is proposed herein and also will likely be required for waste classification and remedy implementation activities.

2.5.1 December 2001 NYSDEC Investigation

On December 3, 2001, the NYSDEC, Monroe County Health Department and Day Environmental, Inc. conducted a site tour and observed the following items inside Building #8:

- Containers of Chlorextol (containing PCBs) and other unlabeled containers of liquid
- Several transformers (with drain valves to drain liquids from the transformer)
- A bank of batteries

The NYSDEC required that all waste materials, including transformer fluids be characterized and any hazardous wastes be properly removed and disposed at a licensed hazardous waste disposal facility by March 6, 2002. Refer to Appendix B in the Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (HDR; April 3, 2019) for historical photographs Building #8, which were taken in December 2001.

According to a January 13, 2009 letter by Paul Hastings, Attorneys on behalf of 4800 Dewey Avenue, to the NYSDEC, a chemical material inventory was completed as part of the New York State Voluntary Cleanup Program (VCP), and inventoried materials were characterized, removed, and disposed off-site (including glass containers of Chlorextol/PCB transformer fluid, electrical equipment, some transformers, and batteries). Plastic sheeting and plywood was installed on the floor of Building #8, the access door was boarded up, and PCB signage was installed on the building's exterior. The waste material inventory is documented in a 2001 Day Environmental report.

2.5.2 January 2005 Day Environmental Independent Study

Based on Day's December 2004 progress report, two concrete chip samples and one wipe sample were collected within Building #8 for PCB laboratory analysis. Refer to Figure 3 for historical sampling locations. No additional details regarding sample collection methods were provided in the progress report. The laboratory analytical report indicated the following sample results for Building #8:

- CC-03: Aroclor-1260 = 660 ug/kg (or 0.66 parts per million - ppm)
- CC-04: Aroclor-1260 = 67,000 E ug/kg (dilution factor = 10) (or 67 ppm)
- WP-03: Aroclor-1260 = 13 ug/wipe (or 0.013 ppm/wipe)

Prior documents identified a historical concrete core sample was collected inside Building #8 with PCBs detected at a concentration of 88 ppm, as reported in a NYSDEC power point presentation. The location of this sample is believed to be the CC-04 sample prior to its dilution.

Day also collected concrete chip samples from a transformer pad outside Building #8, at its south side. These samples, identified as DAYCC-01 and DAYCC-02, were reported to have PCB concentrations at 40 ug/kg and 65 ug/kg, respectively. Wipe samples were also collected from transformers that were located within Building #1. Sample WP-01 was collected from a transformer on the western side of the north portion of Building #1 whereas WP-02 was collected

from a transformer on the western side of the south portion of Building #1. PCB results of the WP-01 and WP-02 samples were non-detect and 13 ug/wipe, respectively.

2.5.3 May 2008 Day Environmental Site Investigation

Based on the information provided in Day's May 30, 2008 Environmental Site Investigation Report for work performed between 2004 and 2007, no additional samples were collected from Building #8 during this interval. However, on December 2, 2004, Day collected a sediment sample from nearby CB-3, the closest catch basin to Building #8, which was split with NYSDEC. Aroclor-1268 and Aroclor-1260 was detected at a concentrations of 57,000 ug/kg (57 mg/kg) in the NYSDEC split CB-3 sediment sample and 16,000 ug/kg (16 mg/kg) in the Day CB-3 sediment sample, respectively (the 1268 PCB aroclor was not requested by Day during this sampling event). Other samples collected by Day in the immediate vicinity of Building #8 include the following:

- TP2-2, located north of Building #8. The subsurface soil sample, collected at 1 foot below ground surface (bgs), exhibited a concentration of 120 ug/kg (0.12 mg/kg) of Aroclor-1260.
- TP2-15A, located northwest of Building #8. The subsurface soil sample, collected at 8 feet bgs, was non-detect for PCBs.
- TP2-1, located south/southwest of Building #8. The subsurface soil sample, collected at 1-2 feet bgs, was non-detect for PCBs.
- SS2-1, located south/southwest of Building #8. The surface soil sample, collected at 0-2 inches, was non-detect for PCBs.
- TB2-17 and TB2-18, north/northwest of Building #8, respectively. Both were non-detect for PCBs.

2.5.4 HDR Building #8 Investigation (2017)

In October 2017, HDR conducted a multi-media sampling event within Building #8 to provide a preliminary characterization of potential contamination, and to evaluate a potential demolition IRM. Four concrete chip samples, four PCB wipe samples, three soil / unconsolidated material samples, and one aqueous sample were collected and submitted for laboratory analysis. All samples were analyzed for PCBs, with a subset undergoing additional analysis of Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), pesticides, Target Analyte List (TAL) metals, mercury, and cyanide. Soil results were compared to the Part 375 Unrestricted Use, Commercial and Industrial Soil Cleanup Objectives (SCOs).

Laboratory analytical results from this field event are included in the Final Technical Memorandum for Building #8 (dated April 3, 2019). The sample locations and laboratory results are also included on Figure 3 of this plan. A photo log of each sample location are provided in Appendix A of the Final Technical Memorandum. Information provided in the photo log includes the corresponding Letter ID shown in the photograph captions and Figure 3 sample ID.

2.5.4.1 Concrete Chip Sampling

Four surfaces / areas were selected for concrete chip collection and laboratory analysis. Prior to sample collection, HDR personnel manually cleared any debris present on each of the surfaces selected for sample collection. Using a rotary impact hammer drill, HDR personnel drilled several 0.5-inch deep holes, producing a finely ground concrete powder that was aggregated and homogenized in a stainless steel bowl. This produced a composite sample representative of the surface / area identified for characterization. Volume requirements for laboratory analysis necessitated drilling multiple 0.5-inch holes, since a single hole would not produce enough powder to satisfy laboratory requirements. Decontamination of the drill bit and stainless steel bowl occurred via alconox and clean water rinse prior to shifting sampling locations.

The four locations were (A) the concrete slab directly in front of the water-filled trench within the transformer cage; (B) the concrete slab directly in front of the battery rack; (C) the north wall of the transformer cage; and (D) the concrete slab and few inches above the bottom of the western and southern walls. The (D) sample provided a general characterization of the building while (A) through (C) focused on areas likely to contain PCB contamination.

PCBs were detected in each of the four samples / locations. Concentrations of Aroclor-1260 were reported at 0.25 mg/kg at the (A) sampling location, 1.1 mg/kg at the (B) sampling location, 0.75 mg/kg at the (C) sampling location, and 0.54 mg/kg at the (D) sampling location.

2.5.4.2 PCB Wipe Sampling

Four surfaces were selected for PCB wipe collection and laboratory analysis. Prior to sample collection, HDR personnel identified a 100 square centimeter (cm²) area on each of the non-porous surfaces selected for sample collection. Using individual laboratory-provided hexane-treated gauze, HDR personnel wiped each 100 cm² area in three horizontal swiping motions and three vertical swiping motions, taking care to apply uniform pressure during each swipe.

The four locations were (E) the side of the metal platform, facing the gateway valve, on which Transformer #1 sits; (F) the side of the metal platform, facing the gateway valve, on which Transformer #2 sits; (G) the top of the metal platform on which Transformer #3 sits; and (H) the space between Transformers #2 and #3.

PCBs were detected in three of the four samples / locations. Concentrations of Aroclor-1260 were 4.7 ug/Wipe at the (E) sampling location, 3.1 ug/Wipe at the (G) sampling location, and 5.8 ug/Wipe at the (H) sampling location. In addition, Aroclor-1254 was detected at the (G) sampling location with a concentration of 2.2 ug/Wipe. The (F) sampling location was non-detect for PCBs.

2.5.4.3 Soil & Unconsolidated Material Sampling

Three locations were selected for soil / unconsolidated material analysis. Initially, two samples would characterize sub-surface soils and one sample would characterize the unconsolidated materials contained within a floor trench. However, due to constraints related to the variable thickness of the concrete slab, this effort shifted to providing one sub-slab sample, one floor trench

sample, and one sample of exterior soils located immediately adjacent to Building #8 at the same approximate depth of 0.5 feet bgs as the sub-slab point. This new third sampling location would provide a control / comparison point for sub-slab soils relative to exterior soils. The soil samples were analyzed for the full contaminant list of TCL VOCs, TCL SVOCs, PCBs, pesticides, TAL metals, mercury, and cyanide. Each sample was collected via stainless steel hand auger and homogenized in-situ or via stainless steel bowl.

The three locations were (I) the sub-slab soils cored through the concrete slab at the entrance of the semi-partitioned transformer cage; (J) the floor trench in front of the battery rack; and (K) directly outside of the windows in the northwest corner (refer to Figure 3 for a summary of sample locations).

PCBs were detected in the sample collected from the floor trench (J) location. The concentration of Aroclor-1260 at this location was 150 mg/kg, with a duplicate sample containing a concentration of 190 mg/kg. Both concentrations exceed the Industrial SCO of 25 mg/kg for PCBs. The sub-slab and exterior soils were non-detect for PCBs.

Analytical results of the sub-slab (I) and exterior (K) soils were generally similar with the exception that the exterior sample (K) contained a trace amount of tetrachloroethene (0.0025 mg/kg) and several poly aromatic hydrocarbons (PAHs) (0.3 to 0.48 mg/kg) whereas the sub-slab (I) soil did not. When compared to the Part 375 SCOs, the exterior sample (K) contained concentrations of lead, nickel, zinc, and p,p-DDT in exceedance of the Unrestricted Use SCO while the sub-slab (I) soil contained concentrations of nickel in exceedance of the Unrestricted Use SCO. There were no exceedances of the Commercial or Industrial Use SCOs for sub slab (I) or exterior (K) soil sample results.

2.5.4.4 Aqueous Sampling

One aqueous sample was selected for laboratory analysis. Prior to the sampling effort, HDR personnel determined based on the hydrophobic nature of PCBs, that if standing water observed within Building #8 were to contain PCBs, it would have the potential to reveal considerable contamination in the area containing that water and would warrant inclusion of the aqueous sample in the sampling effort.

The one aqueous sample location was (L) the water-filled trench directly in front of the three transformers within the transformer cage. PCBs were detected in the aqueous sample with Aroclor-1260 detected at 0.78 microgram per liter (ug/L) or parts per billion (ppb). Although the trench contains water, the integrity of the trench is not known and further evaluation is needed.

Investigation Summary of Building #8: Historical data and the October 2017 investigation results indicate that PCBs exist at concentrations >50 ppm and <500 ppm in concrete chip and wipe samples collected in the vicinity of the former transformers, and in concrete chip samples collected in the southwestern and southern portions of Building #8. PCBs were also identified in the floor trench, south of the battery rack at concentrations >50 ppm and <500 ppm. Very low concentrations of PCBs (0.78 ppb) were detected in the aqueous sample from the water filled transformer trench. One sub-slab soil sample and one exterior soil sample were obtained from

Building #8, both of which did not indicate the presence of PCBs in soil. However, in the absence of sufficient soil data and the unknown nature of the subsurface beneath the plywood/poly sheeting area in the central portion of the building beneath the transformer pad area and the trenches, impacted soil may be present beneath the building slab.

Based on HDR's analysis of investigation data and historical PCB usage within Building #8, an IRM appears to be applicable for the Building #8 area. Demolition to address PCB-contaminated and non-impacted building materials, and removal of the former transformers and battery rack and other materials down to the floor slab, will remedy potential contaminant sources. Based on observations, the roof materials may contain asbestos-containing material (ACM). Additionally, due to the age of the building, lead based paint (LBP) may also be present. HDR notes that this sampling plan was developed to focus on the demolition of the building itself (down to the slab on grade, but not removing the slab). It is understood that assessment and removal/remediation (if necessary) of the floor slab and sub-slab soils / piping will be further considered at a future time.

3.0 NATURE OF THE CONTAMINATION

A primary contaminant leading to the listing of this site on the NYSDEC Registry of Inactive Hazardous Waste Sites was PCBs which are attributable to the switch gear house at Former Building #8. The floor of Building #8 consists of a concrete slab, on which an electric feeder, a transformer, a load center and batteries were located. Investigations in this area have focused on identifying PCB contamination as described in Section 2.5. PCBs are present in one concrete floor sample at a concentration above 25 mg/kg, which is the NYSDEC Part 375 industrial use soil cleanup objective. Results of soil sampling immediately adjacent to Building #8 do not show any exceedances of the Part 375 commercial use soil cleanup objective of 1 mg/kg. Based on the sample results collected to date, the extent of PCBs may be limited to the concrete floor of Building #8.

The environmental investigation of AFP51 in the vicinity of Building #8 and surrounding area consisted of numerous soil and groundwater samples for a broad suite of compounds, including volatile and semi-volatile organic compounds (VOCs and SVOCs), pesticides, PCBs and metals. However, sampling within Building #8 is limited to two events: Day Engineering in 2004 and HDR in 2017. Table 1 (below) provides a summary of the PCB analytical results. Table 2 (attachment following the text) provides the results of 9 concrete chip samples, 8 wipe samples, 1 exterior surface and 1 sub slab soil sample, 1 sediment and 1 water sample (floor trench; data is summarized on Figure 3). PCBs were detected at concentrations exceeding 50 parts per million (ppm) in three samples, which include two concrete chip samples (CC-04 and CC-05) and one sediment sample. The two concrete chip samples may have been collected at the same location with one sample being a duplicate as the location of CC-05 was not presented on a figure included with the Day Engineering December 2004 Progress Report. Also, CC-05 was not specifically mentioned within that progress report.

Copies of laboratory analysis reports from 2017 are provided in historic documents which are included in the Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (dated April 3, 2019).

**Table 1 - Nature and Extent of Contamination
Building #8
Range of Sampling Dates: 2004 – 2017**

	Contaminants of Concern	Concentration Range Detected (ppm) ^a	Unrestricted SCO ⁽¹⁾ (ppm)	Frequency of Exceeding Unrestricted SCO	Restricted Industrial SCO ⁽²⁾ (ppm)	Frequency of Exceeding Restricted Industrial SCO
Concrete Chip	Total PCBs	ND – 86	0.1	6 of 9	25	1 of 9
Wipe	Total PCBs	ND – 13	NA	NA	NA	NA
Surface Soil	Total PCBs	ND	0.1	0 of 1	1	0 of 1
Subsurface Soil	Total PCBs	ND	0.1	0 of 1	1	0 of 1
Sediment	Total PCBs	190	NA	NA	NA	NA
Water	Total PCBs	0.78	NA	NA	NA	NA

Criteria taken from NYSDEC Part 375 Soil Cleanup Objectives (SCOs) table for Unrestricted Use (Table 375-6.8(a)).

Criteria taken from NYSDEC Part 375 Soil Cleanup Objectives table for Restricted Industrial Use (Table 375-6.8(b))

NA – not applicable

4.0 STANDARD OPERATING PROCEDURES (SOPS) DURING SITE CHARACTERIZATION

Upon on-site mobilization to implement the Building #8 Sampling Plan, HDR staff will complete a full inventory (including photos) of all existing building materials and the conditions of the materials. This inventory will be used to refine sample locations during the mobilization and also to support the proposed building demolition. Subsequent to implementing the below-described PCB assessment of Building #8, an asbestos containing material (ACM) and lead based paint (LBP) surveys will be performed by a subcontracted firm. The subcontracted firm will have the appropriate licenses and certifications for these surveys. Scoping for the ACM and LBP surveys will be coordinated by HDR during the Building #8 sampling.

4.1 Field Sample Collection Procedures

To characterize Building #8 prior to demolition, concrete chip and surficial wipe samples will be collected for PCB analyses including eight aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268). Sample collection procedures for both sample types is provided in this section. Concrete chip sample locations are shown on Figure 4. It is noted that caulking – if present – may also be sampled to determine PCB content. Additional information regarding sample locations is discussed in Section 5.

4.1.1 Concrete Chip Samples

Concrete chip sampling will follow EPA's Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) dated May 2011. Prior to sample collection, the surface will be cleaned using a clean brush or cloth. An impact hammer drill equipped with a carbide drill bit will be used to generate concrete powder for sample collection. The drill will be advanced ½-inch into the concrete surface for the surficial sample. Multiple holes may be advanced at a specific location to generate a sufficient amount of material for the lab analyses. Each sample will be contained in individually labelled laboratory provided sample jars.

Following sample collection, the drill bit and any other sampling equipment that comes in contact with the sampled material) will be decontaminated using a soap and water wash, followed by a rinse.

4.1.2 Wipe Samples

Wipe samples will be collected from smooth and impervious, unpainted surfaces within Building #8 (for instance, windows, ventilation, exposed conduits, racks, glazing, and structural steel). Wipe samples will be collected using a 10 cm by 10 cm (or equivalent that equals 100 cm²) template that outlines the sample area. Unless the surface is wet, a gauze pad saturated with hexane will be used to collect the sample. The 100 cm² area will be thoroughly swabbed vertically using one side of the hexane-saturated wipe and then flipped to horizontally swabbed using the other side of the wipe. The wipe will be swabbed five times in each direction (horizontally and vertically). Care will be taken to assure proper use of the sampling template, as the sample results will be based on the 100 cm² sample area (i.e., µg per 100 cm²).

Following swabbing, the wipe will be rolled and placed within a sample vial provided by the laboratory. The vial will be sealed, labelled and prepared for shipment to the laboratory. If reusable, each sampling template will be decontaminated using a soap and water wash and rinse. If the template is not reusable, it will be discarded with any disposable personal protective equipment.

4.1.3 Quality Assurance/Quality Control

QAQC samples will be collected at frequencies presented in Contract Program specific plans. Field blanks will be collected at a frequency of one per 20 decontamination event for each type of sampling equipment and, at a minimum, one per equipment type and/or media per day. Field duplicates will be collected at a frequency of 1 duplicate per 20 sample media. For this effort, two field blanks and 2 duplicates are anticipated for concrete chip sampling. One field blank and one duplicate is anticipated for wipe sampling.

4.2 Laboratory Analysis Procedures

For this effort, it is understood that TestAmerica Laboratories (Eurofins) will analyze the samples as NYSDEC's Standby Laboratory Contractor. Samples bottles will be provided by the laboratory. All concrete chip samples will be extracted using USEPA Method 3540C and analyzed for PCBs following USEPA Method 8082. All wipe samples will be extracted following USEPA Method 3550B and analyzed for PCBs using USEPA Method 8082. Standard turnaround time for lab results will be requested.

Chain-of-custodies will be completed and will accompany the samples from collection in the field through analyses at the laboratory.

5.0 PCB SAMPLING LOCATIONS

Prior sample locations inside and exterior to Building #8 are shown on Figure 3 along with total PCB concentrations exceeding NYSDEC cleanup criteria (1 ppm for protection of ecological resources (PER) SCO, 25 ppm for Industrial Use SCO). Two concrete chip sample locations (CC-04 and CC-05) contained concentrations of total PCBs exceeding 50 ppm. Documentation of the CC-05 sample location, which was collected in 2004, is not available; it is possible that it was a duplicate sample of CC-04. Also, one sediment sample (AFP51-TRS-20171003; HDR 2017) and its duplicate (DUP1-20171003) contained PCB concentrations exceeding 50 ppm.

To characterize Building #8 for proposed demolition work, concrete chip samples will be collected from the building floor slab and walls. Composite samples will be homogenized from 3 to 5 aliquots collected from the same material (e.g., concrete or cinder block) within a defined area on a wall or the floor. Frequency of aliquot collection will follow the EPA guidance of one sample for every 100 square feet (ft²). Aliquots will be biased toward stained areas. Based on the building dimensions, approximately 51 concrete chip aliquots will be collected and composited. Sample distribution is anticipated as 13 slab aliquots, 8 aliquots for the east and west walls (16 total), 5 aliquots for the north and south walls (10 total) and six aliquots for both sides of an interior wall.

Sample composites are planned based on distribution presented in the Table 3 below. Initially, only the composite samples (estimated at 12) will be submitted for laboratory analysis for total PCBs (with data for 8 individual Aroclors also to be provided by the laboratory). All samples will also be analyzed for each of the 8 PCB Aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268).

Table 3 – Sample Frequency and Distribution Building #8				
Surface	Area (ft ²)	Number of Aliquots	Number of Composite Samples	Wall Features
Slab	1260	13	4	Trenches
North Wall	448	5	1	Structure damage
South Wall	448	5	1	Door
East Wall	720	8	2	Structure damage
West Wall	720	8	2	Windows
Interior Wall ¹	570	6	2	Inside and outside transformer area

1 - estimated area

Figure 4 presents a conceptual sampling strategy for concrete chip aliquot distribution for the floor slab, and the east, north, west and south walls. However, concrete chip aliquots may be redistributed to account for non-porous surfaces such as windows on the north wall and a door on the south wall.

Each aliquot will be retained by the laboratory for further analyses if needed based on a review of the composite sample data. The need for further analysis will be dependent on the sample results. If the results of a particular composite sample exceed 5 mg/kg, then each of the aliquots that formed

that composite sample will be analyzed to delineate the PCB concentrations for that composite area.

Plywood and 2 x 4s that were installed to patch the damage caused during the Building #1 demolition will not be sampled.

The frequency of wipe sampling will be dependent on an inventory of non-porous, unpainted surfaces within Building #8, along with accessibility to certain building components (e.g., roof). For this effort, 20 wipe samples are assumed. All wipe samples will be analyzed for each of the 8 PCB Aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268).

6.0 REPORTING

Following the receipt of all laboratory reports, a description of the field activities with a summary of the analytical results will be presented in a Building #8 Pre-Demolition Assessment Report. The report will include photographs of the building conditions, copies of field notes, and the laboratory report. The assessment report will be provided for inclusion with the specification and bid package so that the prospective bidders are aware of existing site conditions.

7.0 HEALTH AND SAFETY

All work will be conducted following HDR's health and safety plan (HASP) for the AFP51 site. The site-wide HASP has been updated to include the Building #8 sampling activity. COVID-19 guidelines and procedures, as presented in the HDR HASP, will be followed during this activity.

8.0 SCHEDULE

Following NYSDEC authorization to proceed with this sampling plan, HDR will coordinate the activity by assisting NYSDEC with notification to the laboratory with the analytical request and sample bottle / sample wipe order. Aroclor analyses will also be confirmed, as well as the plan for archiving aliquots for possible future analysis. Availability of field equipment rentals and disposables will be confirmed and orders placed. Once the laboratory and field supplies are verified, the field work will be scheduled. It is anticipated the field work will occur within two to three weeks following authorization. However, the Building #8 work may be coordinated to coincide with other planned site activities.

Implementation of the sampling plan is expected to occur over five business days. Turnaround times for laboratory analyses is assumed to be 10 to 15 business days, dependent on NYSDEC's Standby laboratory contractor. Upon receipt, the lab data will be forwarded to a HDR subcontracted data validator for validation. A draft summary report will be provided within two weeks of receiving the validated data.

TABLE 2
AFP51 BUILDING #8 PCB SUMMARY DATA

Sample ID	DAY-CC-01	DAY-CC-02	DAY-CC-03	DAY-CC-04	DAY-CC-04DL	DAY-CC-05	DAY-CC-05DL
Date Sampled	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004
Sample Type	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1221	<72	<68	<68	<690	<6,800	<680	<6,800
Aroclor 1232	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1242	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1248	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1254	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1260	40	65	660	67,000 E	88,000 DP	86,000 E	120,000 D

Sample ID	DAYWP-01	DAYWP-02	DAYWP-03	DAYWP-04
Date Sampled	11/29/2004	11/29/2004	11/29/2004	11/29/2004
Sample Type	Wipe	Wipe	Wipe	Wipe
Units	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Aroclor 1016	<1.0	<1.0	<1.0	<1.0
Aroclor 1221	<1.0	<1.0	<1.0	<1.0
Aroclor 1232	<1.0	<1.0	<1.0	<1.0
Aroclor 1242	<1.0	<1.0	<1.0	<1.0
Aroclor 1248	<1.0	<1.0	<1.0	<1.0
Aroclor 1254	<1.0	<1.0	<1.0	<1.0
Aroclor 1260	<1.0	13 P	13	5

Sample ID	AFP51-ES-01-20171003	AFP51-SS-01-20171003	AFP51-TRS-20171003	DUPE1-20171003	AFP51-CC-01-20171002	AFP51-CC-02-20171002	AFP51-CC-03-20171002	AFP51-CC-04-20171002
Date Sampled	10/3/2017	10/3/2017	10/3/2017	10/3/2017	10/2/2017	10/2/2017	10/2/2017	10/2/2017
Sample Type	Surface Soil	Sub Slab Soil	Trench Sediment	Trench Sediment	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip
Units	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	150,000	190,000	0.25	1.1	0.75	0.54

Sample ID	AFP51-SW-01-20171002	AFP51-WP-01-20171002	AFP51-WP-02-20171002	AFP51-WP-03-20171002
Date Sampled	10/2/2017	10/2/2017	10/2/2017	10/2/2017
Sample Type	surface water	Wipe	Wipe	Wipe
Units	ug / L	ug / Wipe	ug / Wipe	ug / Wipe
Aroclor 1016	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND
Aroclor 1260	0.78	4.7	ND	3.1



SITE LOCATION MAP
FORMER AIR FORCE PLANT NO. 51 (NYSDEC SITE # 828156)

FIGURE 1



AFP51-SW-01-20171002 (L)	
Water-Filled Trench	
10/3/2017	
PCB	ug/L
PCB-1260 (AROCLOR 1260)	0.78

AFP51-WP-04-20171002 (H)	
In-between Transformer 2 & 3	
10/3/2017	
PCB	ug/100 cm ²
PCB-1254 (AROCOR 1254)	2.2
PCB-1260 (AROCOR 1260)	5.8

(D)

Window

Window

(B)

Floor Trench (J)

(B)

Battery Rack

Assorted Debris

Door / Entrance (I)

(D)

Assorted Debris & Polyethylene Sheeting

Floor Utility Trench

(A)

(A)

(L) Water-Filled Trench

(G)

(F)

(E)

(H)

Transformer 3

Transformer 2

Transformer 1

(C)

Structural Damage

AFP51-WP-01-20171002 (E)	
Base of Transformer 1	
10/3/2017	
PCB	ug/100 cm ²
PCB-1260 (AROCLOR 1260)	4.7

AFP51-CC-01-20171002 (A)	
Concrete Chip - Transformer Cage Floor	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCLOR 1260)	0.25

AFP51-CC-03-20171002 (C)	
Concrete Chip - Transformer Cage N Wall	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCLOL 1260)	0.75

LEGEND

HDR 2017 Investigation

Sample ID (A)	
Location	
Date	
Analysis Group	Units
Contaminant	# Q

Detections Only

#: Concentration

(A): Sampling Location

Qualifiers (Q):

B – Also detected in associated method
blank

J – Estimated value

T – MS/MSD outside recovery limits

N – Presumptive evidence of material

For Soils Only:

Bold: Exceedence of NYSDEC Part 375 - Unrestricted Use criteria

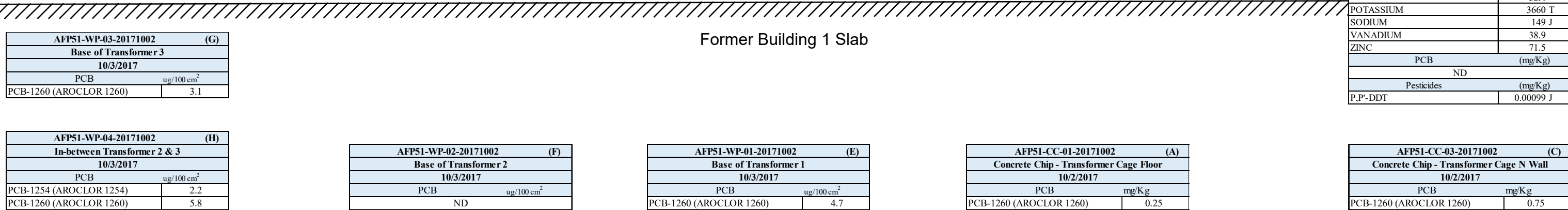
Historical PCB results with approximate locations shown.

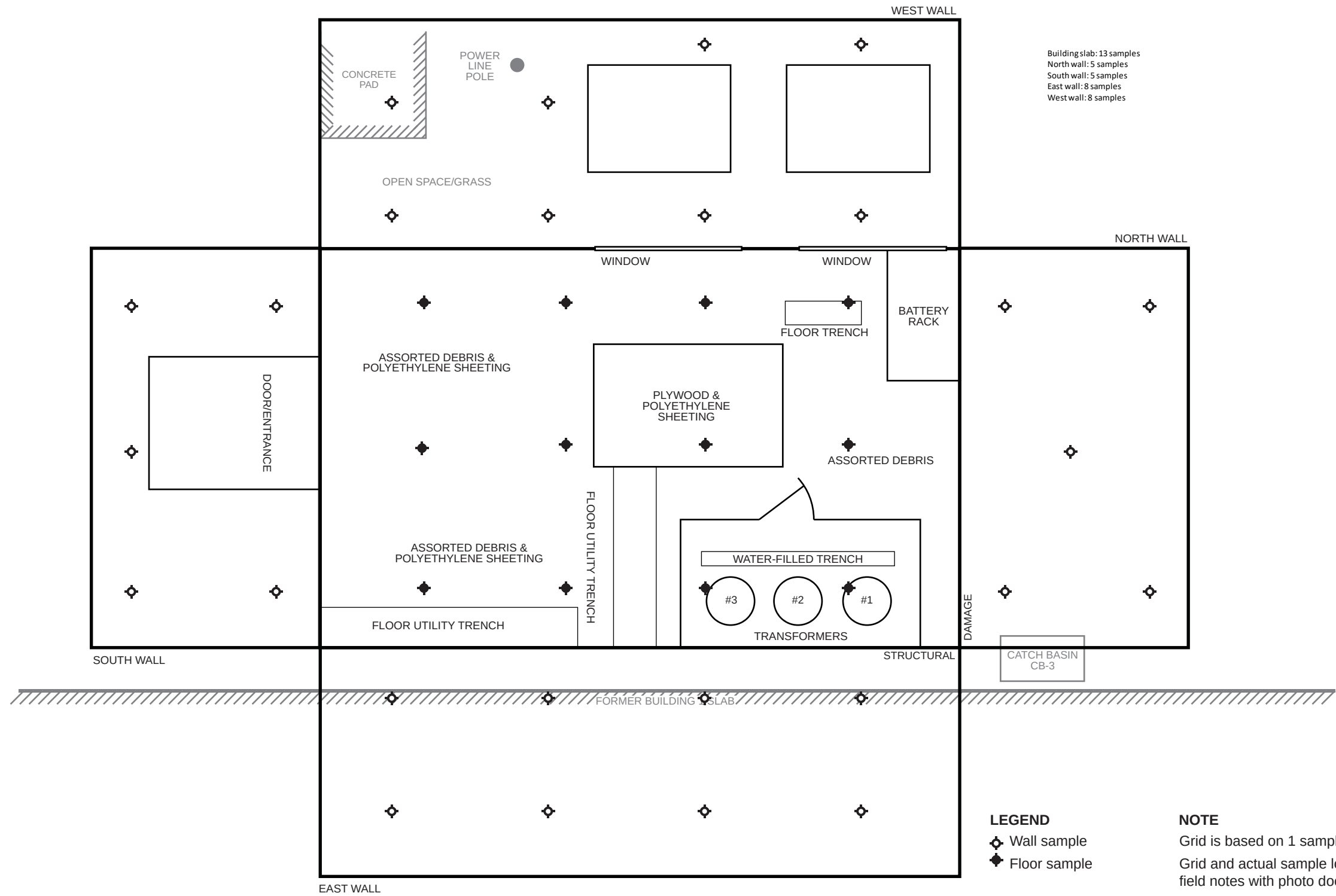
(Reference: Independent Study, 2005, Former Air Force Plant 51, Day Environmental Inc.)

CC - Concrete Chip

WP - Wipe Sample

Scale: NTS





BUILDING #8 MATERIALS SAMPLING PLAN
FORMER AIR FORCE PLANT NO. 51 (NYSDEC SITE # 828156)

FIGURE 4



Asbestos Project Notification**Project Reference Number:** 26576701

Status: Notification Received

Payment Status: Paid in full

Notification Entered By: Aac Contracting, Inc.

Type: Initial Notification

Notification Received: 10/05/2020

Number of Amendments: 0

Contractor Information**A.A.C. Contracting, Inc.**175 Humboldt Street
Rochester NY 14610

Abestos License Number: 29292

Duly Authorized Representative

Kevin T Cannan, Officer

Phone Number: 585-527-8000

E-mail Address: jangarano@aac-contracting.com

Project Information

Project Start Date: 10/19/2020

Project End Date: 10/31/2020

Project Location County: Monroe

Worker Compensation

Worker Compensation Policy#:

WC Exemption Certificate#:

Number of your employees you expect to be on project:

Will temporary workers be used?

If yes, name of temporary agency:

Project Location

Building Name: 4777 Dewey Avenue

Room or Location: Throughout

Bridge ID#:

Address Line 1: 4777 Dewey Avenue

Address Line 2:

City, Town or Village: Rochester

State: NY

Zip Code: 14612

Building Information

Current Use: Vacant

Prior Use: Commercial

Approximate Year Built: 1940

Size(sq.ft): 1,200

Is this fee exempt project?: NO

Reason:

Building Representative/Site Contact
Name: Dave Engert Phone Number: 585-295-6630 E-mail Address: Cell Phone Number:

Phase Details				
Phase #	Phase Start Date	Phase End Date	Phase Location	Phase Scope

Sub-Contractor Details	
Name:	Asbestos License Number:

Night/Weekend/Shift Work Details

Party for Whom Work is being Performed	
First Name: Dave Organization: LaBella Associates Apt./Suite: Address Line 2: 300 State Street Province: Zip Code: 14614 Contractor Dollar Amount: \$1.00	Last Name: Engert Address Line 1: City Town or Village: Rochester State: NY Country: United States

Variance Information

Procedure and Type of Equipment and Ventilation Systems Used
Negative pressure containment. Wet, manual removal by certified workers.

Air Monitoring Firm	
Name: LaBella Associates, D.P.C.	Abestos License Number: 29278

Laboratory Performing Analysis	
Name: LaBella Associates	ELAP Registration Number: 11184

Type of Asbestos Work	
Pipe Related: No Clean up: No Caulking/mastic: No Roofing/flashing: Yes Demolition: No Other-specify:	Siding: No Vessel covering: No Spray-on insulation: No VAT: No Demolition Ref#:

Waste Transporter

Name: Waste Management
NYS DEC or EPA Permit Number: 8A-023
Phone Number: 585-254-6590
Apt./Suite:
Address Line 1: 1661 Mount Read Boulevard
Address Line 2:
City Town or Village: Rochester
Province:
State: NY
Zip Code: 14624
Country: US

Landfill

Name: High Acres Landfill
Phone Number: 585-223-6132
Apt./Suite:
Address Line 1: 425 Perinton Parkway
Address Line 2:
City Town or Village: Perinton
Province:
State: NY
Zip Code: 14450
Country: US

Type and Amount of Asbestos Containing Material

Friable linear feet: 0	Friable square feet: 0
Non-friable linear feet: 15	Non-friable square feet: 2,219

Fee

Total linear feet: 15
Total square feet: 2,219
Total fee: \$2,000.00

Project Fee Schedule

If the notification was submitted prior to 4/7/09, the actual project fee is one half of the amount shown on the fee schedule

Linear feet	Fee	Square Feet	Fee
0 - 259 feet:	\$0	0 - 159 feet:	\$0
260 - 429 feet:	\$200	160 - 259 feet:	\$200
430 - 824 feet:	\$400	260 - 499 feet:	\$400
825 - 1649 feet:	\$1000	500 - 999 feet:	\$1000
1650 or more feet:	\$2000	1000 or more feet:	\$2000

Remarks

APPENDIX E

HDR Daily Inspection Reports

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 10/19/2020

[illegible]

Page 2 of 8

Date: 10/19/2020

*On-Site scale for off-site shipment, delivery ticket for material received

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/19/2020

Equipment/Material Tracking Comments:

N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Man lift & brush hog to be delivered tomorrow, on schedule.

Issues Pending

None.

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/19/2020

Interaction with Public, Property Owners, Media, etc.

None.

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 10/19/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/19/2020



Comments

Generator, red warning flagging, large roll-off dumpster, asbestos warning tape, decon zone, setting up 25' barrier around building 8.

Site Inspector(s): Chris Budd

Date: 10/19/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/19/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

Page 8 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** **Date: 10/19/2020**

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u> 			

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/20/2020

[illegible]

Page 2 of 8

Date: 10/20/2020

*On-Site scale for off-site shipment, delivery ticket for material received

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/20/2020

Equipment/Material Tracking Comments:

N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Began removing roofing pieces using man lift & properly disposing of. On schedule.

Issues Pending

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/20/2020

None.

Interaction with Public, Property Owners, Media, etc.

None.

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Page 5 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/20/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/20/2020

Comments	
Mowed brush on West side of Building 8, cutting down small tree on South side of Building 8, removing roofing material using a man lift, secured site at end of day.	
Site Inspector(s): Chris Budd	Date: 10/20/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/20/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/20/2020

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u> 			

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/21/2020

[illegible]

Page 2 of 8

Date: 10/21/2020

*On-Site scale for off-site shipment, delivery ticket for material received

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/21/2020

Equipment/Material Tracking Comments:

N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Continued removing roofing pieces using man lift & windows (including frames) which were properly disposed of. On schedule.

Issues Pending

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/21/2020

None.

Interaction with Public, Property Owners, Media, etc.

None.

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Page 5 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/21/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/21/2020



Comments

Poly sheet on ground to collect fallen roof material, North side of building (pipe still intact), window frame removal, window frame removal (2), interior tar removal from walls, pipe on North side of building removed.

Site Inspector(s): Chris Budd

Date: 10/21/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/21/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

Page 8 of 8

Date: 10/21/2020

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u> 			

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/22/2020

[illegible]

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 10/22/2020

[illegible]

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/22/2020

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Continued removing roofing pieces using man lift. Behind schedule due to rain.			
Issues Pending			
None.			
Interaction with Public, Property Owners, Media, etc.			
None.			

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/22/2020

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/22/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/22/2020



Comments

Southern wall of building 8, Randy (AAC) refueling generator, Eastern roof removal, Eastern roof removal (2), inspecting the man lift, end of day progress.

Site Inspector(s): Chris Budd

Date: 10/22/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/22/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 10/22/2020

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/23/2020

[illegible]

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 10/23/2020

[illegible]

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/23/2020

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Continued removing roofing pieces using man lift. Behind schedule due to rain. Likely will take full week next week to finish job.			
Issues Pending			
None.			
Interaction with Public, Property Owners, Media, etc.			

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/23/2020

None.

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/23/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

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Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/23/2020



Comments

AAC on man lift removing shingles, LaBella on site, AAC on man lift (2), AAC lowering man lift, progress after 1 week.

Site Inspector(s): Chris Budd

Date: 10/23/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/23/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

Page 8 of 8

Date: 10/23/2020

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

Page 1 of 8

Date: 10/26/2020



NEW YORK STATE
Department of
Environmental
Conservation
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Date: 10/26/2020



New York State
Department of
Environmental
Conservation

50

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/26/2020

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Continued removing roofing pieces using man lift.			
Issues Pending			
None.			
Interaction with Public, Property Owners, Media, etc.			
None.			

DAILY INSPECTION REPORT

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Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/26/2020

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/26/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/26/2020



Comments

AAC removing shingles on East side (1&2), AAC removing shingles from West side, AAC on man lift, West side of roof progress, large mats to prevent ground destruction from tires on man lift.

Site Inspector(s): Chris Budd

Date: 10/26/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/26/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/26/2020

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/27/2020

[illegible]

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/27/2020

[illegible]

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/27/2020

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Continued removing roofing pieces using man lift.			
Issues Pending			
None.			
Interaction with Public, Property Owners, Media, etc.			
None.			

DAILY INSPECTION REPORT

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Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/27/2020

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/27/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

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Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/27/2020



Comments

AAC removing shingles on West side (2), West side shingles removed, removing metal on East side, progress made today on East side.

Site Inspector(s): Chris Budd

Date: 10/27/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/27/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

Page 8 of 8

Date: 10/27/2020

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u> 			

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/28/2020

[illegible]

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/28/2020

[illegible][illegible]

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

N/A

DAILY INSPECTION REPORT

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Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/28/2020

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name	Representing		
Project Schedule Comments			
Continued removing roofing pieces using man lift.			
Issues Pending			
None.			
Interaction with Public, Property Owners, Media, etc.			
Spoke to adjacent property owner, Jeff, on way out of site for day.			

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/28/2020

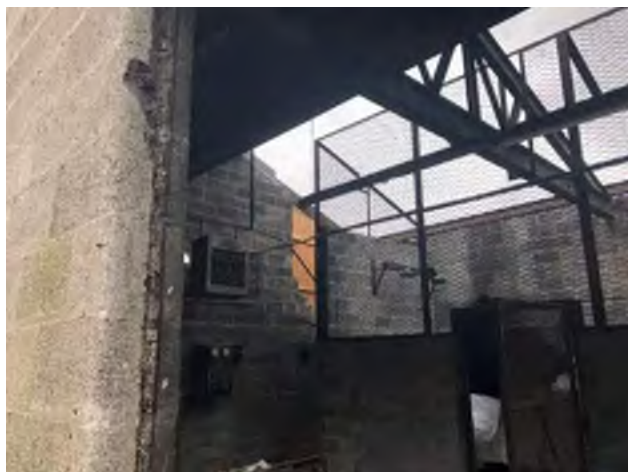
Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/28/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/28/2020



Comments

AAC removing mushroom air vent, interior of building (2), AAC working on roof, East side of roof removed, mushroom air vents on ground.

Site Inspector(s): Chris Budd

Date: 10/28/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/28/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

Page 8 of 8

Date: 10/28/2020

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 10/29/2020

[illegible]

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Date: 10/29/2020

*On-Site scale for off-site shipment, delivery ticket for material received

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/29/2020

Equipment/Material Tracking Comments:

N/A

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Finished removing roofing pieces using man lift.

Issues Pending

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/29/2020

None.

Interaction with Public, Property Owners, Media, etc.

None.

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/29/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/29/2020



Comments

East side of roof removed, 1/2 of West side roof removed (2), West side roofing removed completely (3).

Site Inspector(s): Chris Budd

Date: 10/29/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/29/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

Page 8 of 8

Date: 10/29/2020

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/30/2020

NYSDEC Division of Environmental Remediation		 Department of Environmental Conservation				NYSDEC Contract No. D007625 Superintendent: NYSDEC PM: Benjamin Rung Consultant PM: Erich Zimmerman Consultant Site Inspectors: Chris Budd	
Site Location: Greece, New York							
Weather Conditions							
General Description	Rainy	AM	Cloudy	PM			
Temperature	40	AM	40	PM			
Wind	15-20 mph	AM	10-15 mph	PM			
Health & Safety If any box below is checked "Yes", provide explanation under "Health & Safety Comments".							
Were there any changes to the Health & Safety Plan?					*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?					*Yes	No	NA
Were there any nuisance issues reported/observed on this date?					*Yes	No	NA
Health & Safety Comments Maintained social distancing protocols for COVID19 & wore masks; asbestos decon trailer properly set up. AAC wearing appropriate PPE for asbestos work.							
Summary of Work Performed		Arrived at site:		0730	Departed Site:		1400
Friday 10/30/2020 AAC disposed remaining roofing materials into a large dumpster. The interior of the building was swept, and the exclusion zone barrier was removed. A final walk around inspection was done by Paradigm to confirm that the mitigation cleanup was completed and acceptable. A total of two large dumpsters were filled during this mitigation work. The AAC trailer and equipment were taken off site. The man lift and dumpster were scheduled to be picked up later today or on Monday. The mitigation work required an extra week to complete due to unexpected heavy rain for the majority of last week and beginning of this week. The rain made the roof removal more difficult to handle and extra precautions were required to ensure worker safety.							
Equipment/Material Tracking If any box below is checked "Yes", provide explanation under "Material Tracking Comments".							
Were there any vehicles which did not display proper D.O.T numbers and placards?					*Yes	No	NA
Were there any vehicles which were not tarped?					* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?					* Yes	No	NA
Personnel and Equipment							
Individual	Company		Trade		Total Hours		
Chris Budd	HDR		ENV Scientist		8		
Randy	AAC		Superintendent		4		
Gordon	AAC		Project Foreman		8		
Mike	AAC		Asbestos Tech		8		
Aaron	AAC		Asbestos Tech		8		
	AAC		Asbestos Tech		8		
Kyle	Paradigm		Project Oversight Personnel		8		
Terry Allen	LaBella		Representative		0		

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Date: 10/30/2020

*On-Site scale for off-site shipment, delivery ticket for material received

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/30/2020

Equipment/Material Tracking Comments:

Air Monitoring Units: These were placed upwind, downwind, inside of building and around generator in order to collect air samples during the first few days of debris cleanup around the perimeter and inside of building 8. Once the roof removal started, Paradigm's variance did not call for any air samples to be collected. After the initial debris pickup, the roof removal did not require air monitoring and the monitors were not used.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

Finished cleaning up debris on ground, within the interior and on the exterior of the building.

Issues Pending

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/30/2020

None.

Interaction with Public, Property Owners, Media, etc.

None.

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/30/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

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Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 10/30/2020

	
	
Comments	
AAC picking up debris on the outside of building 8 after roof removal, AAC disposing of roofing material into large dumpster, AAC removing exclusion barrier around site, interior of building 8 after roof removal and walkthrough inspection by Paradigm (3), AAC cleaning up interior of building 8, open roof of building 8.	
Site Inspector(s): Chris Budd	Date: 10/30/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 10/30/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

Page 8 of 8

Date: 10/30/2020

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u> 			

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/4/2020

NYSDEC Division of Environmental Remediation		 Department of Environmental Conservation				NYSDEC Contract No. D007625	
Site Location: Greece, New York						Superintendent: NYSDEC PM: Benjamin Rung Consultant PM: Erich Zimmerman Consultant Site Inspectors: Chris Budd	
Weather Conditions							
General Description	Sunny	AM	Sunny	PM			
Temperature	55	AM	65	PM			
Wind	15-20 mph	AM	15-20 mph	PM			
Health & Safety If any box below is checked "Yes", provide explanation under "Health & Safety Comments".							
Were there any changes to the Health & Safety Plan?					*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?					*Yes	No	NA
Were there any nuisance issues reported/observed on this date?					*Yes	No	NA
Health & Safety Comments Maintained social distancing protocols for COVID19 & wore masks. LaBella wearing appropriate PPE for demolition work.							
Summary of Work Performed		Arrived at site:	1000	Departed Site:	1645		
Wednesday 11/4/2020 LaBella arrived on site a little after 1000. LaBella conducted a walkthrough of interior & exterior building to come up with a plan of action. Upon the interior walkthrough, a transite plate was found in the transformer room as well as some transite in a few of the wall mounted electric boxes (a few pieces of roofing material were also discovered that AAC missed). LaBella tore open the South entry way (wood), and took apart the conduit on the walls as well as the wires inside them. They also took down the overhanging light fixtures (took the interior components out as well). NYSDEC Region 8 representative, Scott Williams was on site for an hour to check in on plan and progress of demo. After discussion with DEC PM, the trenches on the floor of the interior building will be filled with CR2 fill. LaBella has yet to complete their SIP (Self-Implementing Plan) necessary to dispose the demolition material at Waste Management which will cause a delay in schedule. Waste Management requires an SIP as a condition of accepting the material. The cinder block is going to a landfill, while the steel is going to a scrapyard to get recycled. There is a trench of water in front of the transformers that will be collected and drummed (will most likely be sampled). The man lift from mitigation work was collected by ADMAR company this morning as well. Roll offs will be used to collect the cinder block material.							
Equipment/Material Tracking If any box below is checked "Yes", provide explanation under "Material Tracking Comments".							
Were there any vehicles which did not display proper D.O.T numbers and placards?					*Yes	No	NA
Were there any vehicles which were not tarped?					* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?					* Yes	No	NA
Personnel and Equipment							
Individual	Company		Trade		Total Hours		
Chris Budd	HDR		ENV Scientist		8		
Pete Spagnola	LaBella		Field Lead		8		
Kevin	LaBella		Assistant Field Lead		8		

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 11/4/2020

*On-Site scale for off-site shipment, delivery ticket for material received

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/4/2020

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
Scott Williams	NYSDEC Region 8

Project Schedule Comments

Started taking down interior metal components prior to demolition.

Issues Pending

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/4/2020

None.

Interaction with Public, Property Owners, Media, etc.

Spoke with Jeff (building owner in front of site) on way out.

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/4/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/4/2020



Comments

LaBella trailer, skidsteer, excavator (2), taking down lighting fixtures (2), piece of transite in transformer room that was missed by AAC, pieces of transite in wall mounted electric boxes that AAC missed.

Site Inspector(s): Chris Budd

Date: 11/4/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/4/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156 Date: 11/4/2020

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/5/2020



DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/5/2020

[illegible]

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/5/2020

Equipment/Material Tracking Comments:

Three transformer units were taken off site to a scrapyard (after being cleaned & drained).

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
None	

Project Schedule Comments

On track, minor setback from the hydraulic hose being sliced & in need of repair.

Issues Pending

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/5/2020

None.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/5/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/5/2020



Comments

NE wall demo (4), moving transformer units (2), draining transformer units, end of day progress (NE wall).

Site Inspector(s): Chris Budd

Date: 11/5/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/5/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/5/2020

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/6/2020





DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 11/6/2020

[illegible]

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/6/2020

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
None	

Project Schedule Comments

On track, building is leveled. Should finish up on Tuesday, 11/10.

Issues Pending

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/6/2020

None.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/6/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/6/2020



Comments

Building 8 demo (2), building 8 leveled (2), interior trench, partially filled in small trench, steel roll off, LaBella breaking down steel with cutting torch.

Site Inspector(s): Chris Budd

Date: 11/6/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/6/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156** **Date:** 11/6/2020

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Page 1 of 8

[illegible]

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 11/9/2020

[illegible][illegible]

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/9/2020

Visitors to Site			
Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
Site Representatives			
Name		Representing	
None			
Project Schedule Comments			
On track, building is leveled. Should finish up on Tuesday, 11/10.			
Issues Pending			
None.			
Interaction with Public, Property Owners, Media, etc.			
None			

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/9/2020

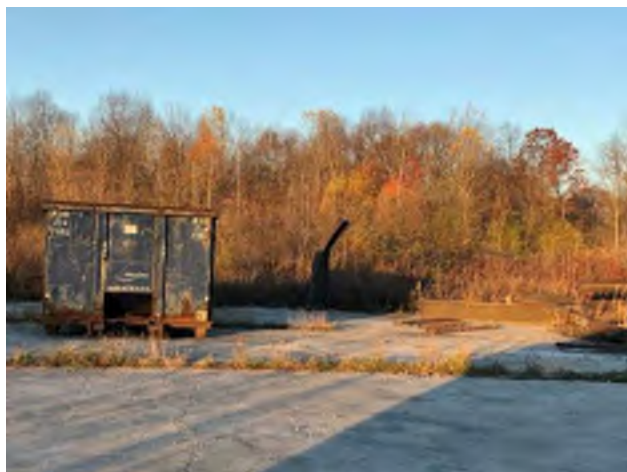
Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/9/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/9/2020



Comments

Steel roll-off, using excavator to put steel in roll-off (2), metal removed from trench (2), using excavator to break down cinder block, filled in trenches with CR2.

Site Inspector(s): Chris Budd

Date: 11/9/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/9/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

DAILY INSPECTION REPORT Page **8** of **8**
 Report No. _____ **Former AFP51 - NYSDEC Site No. 828156** Date: 11/9/2020

Page 8 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156** **Date: 11/9/2020**

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 11/10/2020

[illegible]

DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 11/10/2020

[illegible]

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/10/2020

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
None	

Project Schedule Comments

On track, building is leveled. Should finish up and demob on Wednesday, 11/11.

Issues Pending

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/10/2020

None.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/10/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/10/2020



Comments

Roll-off being dropped off by Casella, loading cinder block into roll-off, CR-2 pile for trench filling, filled roll-offs, current state of building 8 slab, two drums currently on site (one filled with transformer fluid & one with scrap metal). The drum containing scrap metal will be removed by LaBella.

Site Inspector(s): Chris Budd

Date: 11/10/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/10/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

Page 8 of 8

Date: 11/10/2020

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

Page 1 of 8

Date: 11/11/2020



DAILY INSPECTION REPORT

Report No. Former AFP51 - NYSDEC Site No. 828156

Date: 11/11/2020

[illegible]

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/11/2020

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
NONE		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing
None	

Project Schedule Comments

Job is completed, metal roll-off being taken off site tomorrow, 11/12.

Issues Pending

DAILY INSPECTION REPORT

Page 4 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/11/2020

None.

Interaction with Public, Property Owners, Media, etc.

None

Include (insert) figures with markups showing location of work and job progress

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/11/2020

Site Photographs (Descriptions Below)



DAILY INSPECTION REPORT

Page 6 of 8

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/11/2020



Comments

Building 8 slab, covering roll-offs with tarps, cutting rebar with circular saw, decon of equipment, tarps on roll-offs secured with bungee cords, waste products staged on site (NE of building 8 slab), drum containing light ballasts, drum containing transformer & decon oil/liquid.

Site Inspector(s): Chris Budd

Date: 11/11/2020

DAILY INSPECTION REPORTReport No. **Former AFP51 - NYSDEC Site No. 828156** Date: 11/11/2020**DAILY HEALTH CHECKLIST**

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
<u>Comments:</u> Most work conducted outdoors with sustained winds.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Has anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: - If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. - If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☒
<u>Comments:</u> Site is inactive and vacant.		

DAILY INSPECTION REPORT

Report No. **Former AFP51 - NYSDEC Site No. 828156**

Date: 11/11/2020

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A ☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A ☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☒	N/A ☐
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A ☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A ☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☒	N/A ☐
Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A ☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A ☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A ☒
<u>Comments:</u>			

APPENDIX F

Paradigm Environmental Services

Asbestos Air Sampling Report

PARADIGM

ENVIRONMENTAL SERVICES, INC.

Corporate Headquarters

179 Lake Avenue
Rochester, NY 14608
585.647.2530

Capital District

790 Watervliet Shaker Road
Latham, NY 12110
518.782.1466

Central New York

6950 E. Genesee Street, #2
Fayetteville, NY 13066
315.455.2714

Hudson Valley

3 Neptune Road
Suite A18E
Poughkeepsie, NY 12601

North Country

215 Washington Street
Suite 221
Watertown, NY 13601
315.771.3738

Southern Tier

51 Center Street
Hornell, NY 14843
607.661.4037

Western New York

1430B Millersport Highway
Williamsville, NY 14221
716.775.5777

www.paradigmenv.com

Asbestos Air Sampling Report

Building 8
Former Air Force Plant 51
4777 Dewey Avenue
Greece, New York 14612

Prepared For:

LaBella Associates
300 State Street, #201
Rochester, New York 14614

October 19-30, 2020

Paradigm Number: P20-0575

Building 8

EXECUTIVE SUMMARY

Paradigm Environmental Services, Inc. was retained by **LaBella Associates** for the work at the **Former Air Force Plant 51, 4777 Dewey Avenue, Greece, New York**. Sample analysis and reporting were performed by Paradigm Environmental Services, Inc. All field activities, including air monitoring and a project monitor to complete a visual inspection were performed by Paradigm.

ASBESTOS ABATEMENT AIR MONITORING

The scope of work for this large project consisted of the removal of asbestos containing roof tar from Building 8 as per the site specific variance.

Paradigm provided a New York State Department of Labor certified air technician to conduct asbestos abatement air sampling and a project monitor to complete a visual inspection. Air sampling consisted of **Phase IIB (Work In Progress)** sampling to monitor the concentrations of airborne fibrous material within the specified areas. The visual inspection passed, see attached visual inspection report. **As per the site specific variance, Phase IIB (Work In Progress) is to be treated as Phase IIC (Clearance).**

Paradigm Environmental Services, Inc. conducted the air sampling in general accordance of New York State Department of Labor (NYSDOL) Asbestos Industrial Code Rule 56, 12NYCRR 56 as Amended March 21, 2007.

The PCM satisfactory clearance air sample results shall be considered satisfactory when every clearance air sample demonstrates an airborne concentration of fibers of less than 0.01 fibers per cubic centimeter, or the established levels(s), whichever is greater.

LABORATORY ANALYSIS

The samples were individually preserved within a container and transported to the Paradigm analytical laboratory for fiber content analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste, and Air and Emissions. Samples are stored at the laboratory for 90 days then disposed of as asbestos containing material.

The analytical methodology used is as follows:

Airborne Fibrous Material Samples - All analyses will be performed utilizing Phase Contrast Microscopy (PCM) according to NIOSH Analytical Method 7400 as prescribed in Title 12 NYCRR, Part 56, Subpart 56-4.6. Calculated intra and inter laboratory variability is provided on the analytical data report.

Laboratory QA/QC is conducted in accordance with requirements for Paradigm laboratory accreditations. These requirements include:

- 10% Duplicate Analysis
- Standard Reference Samples
- Proficiency Samples



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PCM AIR REPORT

Client: LaBella Associates
Location: 4777 Dewey Avenue
Work Area: Building 8
Project No.: P20-0575
Activity: Phase IIB (Work In Progress)

Lab Log No: 9195-20
Sample Date: 10/19/2020
Sampling Tech.: K. Alt
Page: 1 of 4

Abatement Contractor: A.A.C. Contracting, Inc.

Field Data and Sampling Provided By: Paradigm Environmental Services, Inc.

Field Sample ID:	I-1	I-2	O-6	O-7	O-8	O-9	O-10	UW-1	UW-2	DW-1	DW-2	DW-3
Sample Volume (L):	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344

Laboratory Analysis Performed By: Paradigm Environmental Services, Inc. Rochester, New York

ELAP ID No: 10958

Lab Sample ID:	70945	70946	70947	70948	70949	70950	70951	70952	70953	70954	70955	70956
Fibers / 100 Fields:	1.5	3.5	7	4.5	3.5	0	2.5	0.5	2	0	0.5	3.5
Fibers / mm ² :	<7.0	<7.0	8.9	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Fibers / cc:	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Legend: I=Inside O=Outside E=Environmental B=Blank

These results relate only to the items tested or to the samples as received by the laboratory.

Samples were analyzed according to the NIOSH 7400 method.

Comments:

Date of Analysis: 10/21/2020
Microscope: Olympus 4E41365
Analyst: S. Johnston

Relative Standard Deviations	Fiber Ranges		
	5 - 20	20 - 50	50 - 100
S. Johnston	0.229	0.232	0.256
Laboratory	0.297	0.215	0.170

Laboratory Results Approved By:
Asbestos Technical Director or Designee

Fernanda Weinman

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. New York State Department of Health Environment Laboratory Approval Program (ELAP) requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. These PCM results relate only to the items tested as received by the lab. This report must not be used to claim product endorsement by NYS-ELAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory or analysts' precision) is available upon request.



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Asbestos Air Monitoring Chain of Custody

Meets NYCRR 56 amended March 21, 2007

Lab Job #

9195-29

Job Ticket #

146210

Project #

pro-0575

Labella Associates

Client 4777 Dewey Ave, Bellingham 8

Building/Location Work Area

Roof for Lab 15

Materials to be Removed

pro-01

Rotometer #

Cassette Lot #

James Miner

Client Contact

Mike All

Air Technician

AAC

Contractor

585-313-9801

Client Contact Phone

585-208-0019

Air Technician Phone

585-202-1185

Contact Name & Phone

E-mail/Fax Results to

Project
Phase

Phase IB ☐
Background

Phase IIA ☐
Work Area Preparation

Phase IIB ☒
Asbestos Handling

Phase IIC ☐
Final Cleaning

Phase IIC ☐
Clearance Airs

Env. ☐

Field Sample #	I1	I2	O6	O7	O8	O9	O10	UW1	UW2	DW1	DW2	DW3
Pre-Calibrated Flow Rate	3.2	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2	3.1	3.2
Post-Calibrated Flow Rate	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Average Flow Rate	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Start Time Military Time	0810	0811	0816	0817	0818	0819	0820	0821	0822	0823	0824	0825
End Time Military Time	1510	1511	1516	1517	1518	1519	1520	1521	1522	1523	1524	1525
Duration (Minutes)	410	410	410	410	410	410	410	410	410	410	410	410
Sample Volume (Liters)	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344	1344

☐ Buf ELAP ID #11955

☐ Roch ELAP ID # 10958

Lab Sample #	945	946	947	948	949	950	951	952	953	954	955	956
Time Analyzed	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426
Fibers/100 Fields	1.5	3.5	7	4.5	3.5	0	2.5	.5	2	0	.5	3.5
Fibers/cc	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01	6.01

Sampled by: Mike All	Date: 10/19/20
Relinquished by: Mike All	Date: 10/19/20 @ 1548
Received in Lab by: [Signature]	Date: 10/19/20 1833
Analyzed By: [Signature]	Date: 10/21/20 1415
Microscope Make, Model & #: 4E41365	Turn-around Time Immed. 24 Hr. 48 Hr.

Comments:

DS

White - Lab Original

Yellow - Lab Copy

Pink - Project Folder

Goldenrod - Technician



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PCM AIR REPORT

Client: LaBella Associates
Location: 4777 Dewey Avenue
Work Area: Building 8
Project No.: P20-0575
Activity: Phase IIB (Work In Progress)

Lab Log No: 9195-20
Sample Date: 10/19/2020
Sampling Tech.: K. Alt
Page : 2 of 4

Abatement Contractor: A.A.C. Contracting, Inc.

Field Data and Sampling Provided By: Paradigm Environmental Services, Inc.

Field Sample ID:	B-1	B-2										
Sample Volume (L):	N/A	N/A										

Laboratory Analysis Performed By: Paradigm Environmental Services, Inc. Rochester, New York

ELAP ID No: 10958

Lab Sample ID:	70957	70958										
Fibers / 100 Fields:	0	0										
Fibers / mm2:	<7.0	<7.0										
Fibers / cc:	N/A	N/A										

Legend: I=Inside O=Outside E=Environmental B=Blank

These results relate only to the items tested or to the samples as received by the laboratory.

Samples were analyzed according to the NIOSH 7400 method.

Comments:

Date of Analysis: 10/21/2020
Microscope: Olympus 4E41365
Analyst: S. Johnston

Relative Standard Deviations	Fiber Ranges		
	5 - 20	20 - 50	50 - 100
S. Johnston	0.229	0.232	0.256
Laboratory	0.297	0.215	0.170

Laboratory Results Approved By:
Asbestos Technical Director or Designee

Fernanda Weinman

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Asbestos Air Monitoring Chain of Custody

Meets NYCRR 56 amended March 21, 2007

Lab Job # 9195-20
Job Ticket # 146 210
Project # 920-02575

Client	Client Contact	Client Contact Phone
Building/Location	Work Area	Air Technician
Materials to be Removed	Contractor	Contact Name & Phone
Rotometer #	Cassette Lot #	E-mail/Fax Results to

Project Phase ☐ Phase IB ☐ Phase IIA ☐ Phase IIB ☐ Phase IIC ☐ Phase IIC ☐ Env. ☐
 Background Work Area Preparation Asbestos Handling Final Cleaning Clearance Airs

Field Sample #	B1	B2																	
Pre-Calibrated Flow Rate																			
Post-Calibrated Flow Rate																			
Average Flow Rate	NA	NA																	
Start Time Military Time																			
End Time Military Time																			
Duration (Minutes)																			
Sample Volume (Liters)																			

☐ Buf ELAP ID #11955 ☐ Roch ELAP ID # 10958

Lab Sample #	709579158																		
Time Analyzed	1427	1428	1430																
Fibers/100 Fields	0	0																	
Fibers/cc	NA	NA																	

Sampled by: <i>[Signature]</i>	Date: 10/17/20
Relinquished by: <i>[Signature]</i>	Date: 10/17/20 @ 1548
Received in Lab by: <i>[Signature]</i>	Date: 10/19/20 1833
Analyzed By: <i>[Signature]</i>	Date: 12/21/20 1415
Microscope Make, Model & #: 4E41365	Turn-around Time Immed. 24 Hr. 48 Hr.

Comments:

DS



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

PCM AIR REPORT

Client: LaBella Associates
Location: 4777 Dewey Avenue
Work Area: Building 8
Project No.: P20-0575
Activity: Phase IIB (Work In Progress)/Phase IIC (Clearance)

Lab Log No: 9236-20
Sample Date: 10/20/2020
Sampling Tech.: K. Alt
Page: 1 of 4

Abatement Contractor: A.A.C. Contracting, Inc.

Field Data and Sampling Provided By: Paradigm Environmental Services, Inc.

Field Sample ID:	I-1	I-2	UW-1	UW-2	DW-1	DW-2	DW-3	O-6	O-7	O-8	O-9	O-10
Sample Volume (L):	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472

Laboratory Analysis Performed By: Paradigm Environmental Services, Inc. Rochester, New York

ELAP ID No: 10958

Lab Sample ID:	71227	71228	71229	71230	71231	71232	71233	71234	71235	71236	71237	71238
Fibers / 100 Fields:	3	2.5	0	1	0	1	0	2	0	0	0.5	1
Fibers / mm2:	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0	<7.0
Fibers / cc:	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

Legend: I=Inside O=Outside E=Environmental B=Blank

These results relate only to the items tested or to the samples as received by the laboratory.

Samples were analyzed according to the NIOSH 7400 method.

Comments:

Date of Analysis: 10/20/2020
Microscope: Olympus 234927
Analyst: F. Weinman

Relative Standard Deviations	Fiber Ranges		
	5 - 20	20 - 50	50 - 100
F. Weinman	0.3	0.171	0.086
Laboratory	0.297	0.215	0.170

Laboratory Results Approved By:
Asbestos Technical Director or Designee

Fernanda Weinman

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Asbestos Air Monitoring Chain of Custody

Meets NYCRR 56 amended March 21, 2007

Lab Job # 9236-20
Job Ticket # 146211
Project # P20-0575

LaBella Associates

Client 4777 Dewey Ave.	Building/Location Rm 101 Lab's	Materials to be Removed P10-M1	Rotometer # 20000000	Work Area Building 8	Cassette Lot #

Client Contact Kyle Holt	Client Contact Phone 585-313-9801	☐ CWR
Air Technician AAC	Air Technician Phone 585-208-0009	☐ CWR
Contractor J Miner @ LaBella PC, COM	Contact Name & Phone Randy Horn 585-202-1855	☐ CWR
E-mail/Fax Results to		

Project Phase	Phase IB ☐ Background	Phase IIA ☐ Work Area Preparation	Phase IIB ☒ Asbestos Handling	Phase IIC ☐ Final Cleaning	Phase IIC ☐ Clearance Airs	Env. ☐

Field Sample #	5-1	5-2	UW1	UW2	DW1	DW2	DW3	06	07	08	09	010
Pre-Calibrated Flow Rate	3.1	3.2	3.1	3.1	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2
Post-Calibrated Flow Rate	3.1	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.1	3.2	3.1	3.2
Average Flow Rate	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2
Start Time Military Time	0730	0731	0736	0737	0738	0739	0740	0741	0741	0743	0744	0745
End Time Military Time	1510	1511	1516	1517	1518	1519	1520	1521	1522	1523	1524	1525
Duration (Minutes)	460	460	460	460	460	460	460	460	460	460	460	460
Sample Volume (Liters)	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472	1472

☐ Buf ELAP ID #11955 ☐ Roch ELAP ID # 10958

Lab Sample #	11227	228	229	230	231	232	233	234	235	236	237	238
Time Analyzed	1625	1626	1627	1628	1629	1630	1631	1632	1633	1634	1635	1636
Fibers/100 Fields	3	2.5	0	1	0	1	0	2	0	0	.5	1
Fibers/cc	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01	4.01

Sampled by: <i>Kyle Holt</i>	Date: <i>10/20/20</i>
Relinquished by: <i>Kyle Holt</i>	Date: <i>10/20/20</i>
Received in Lab by: <i>B Doss</i>	Date: <i>10/20/2020 16:03</i>
Analyzed By: <i>FWerner</i>	Date: <i>10-20-2020</i>
Microscope Make, Model & #: <i>234927</i>	Turn-around Time ☒ Immed. ☐ 24 Hr. ☐ 48 Hr.

Comments: *serve as Final* Verbal to Kyle @ 1640 10.20.2020 *fw*



PCM AIR REPORT

Client: LaBella Associates

Location: 4777 Dewey Avenue

Work Area: Building 8

Project No.: P20-0575

Activity: Phase IIB (Work In Progress)/Phase IIC (Clearance)

Lab Log No: 9236-20

Sample Date: 10/20/2020

Sampling Tech.: K. Alt

Page : 2 of 4

Abatement Contractor: A.A.C. Contracting, Inc.

Field Data and Sampling Provided By: **Paradigm Environmental Services, Inc.**

Field Sample ID:	B-1	B-2										
Sample Volume (L):	N/A	N/A										

Laboratory Analysis Performed By: **Paradigm Environmental Services, Inc. Rochester, New York**

ELAP ID No: 10958

Lab Sample ID:	71239	71240										
Fibers / 100 Fields:	0	0										
Fibers / mm2:	<7.0	<7.0										
Fibers / cc:	N/A	N/A										

Legend: I=Inside O=Outside E=Environmental B=Blank

These results relate only to the items tested or to the samples as received by the laboratory.

Samples were analyzed according to the NIOSH 7400 method.

Comments:

Date of Analysis: 10/20/2020

Microscope: Olympus 234927

Analyst: F. Weinman

Relative Standard Deviations	Fiber Ranges		
	5 - 20	20 - 50	50 - 100
F. Weinman	0.3	0.171	0.086
Laboratory	0.297	0.215	0.170

Laboratory Results Approved By:
Asbestos Technical Director or Designee

[Signature]
Fernanda Weinman

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. New York State Department of Health Environmental Laboratory Approval Program (ELAP) requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. These PCM results relate only to the items tested as received by the lab. This report must not be used to claim product endorsement by NYS ELAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory or analysts' precision) is available upon request.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Page 2 of 2

4 of 4 DS

100 Lake Avenue, Rochester, NY 14608 • Phone 585-647-2530 • Fax 585-647-3311

Asbestos Air Monitoring
Chain of Custody
Meets NYCRR 56 amended March 21, 2007

Lab Job # 92310-20
Job Ticket # 146211
Project # P20-0575

Client	Client Contact	Client Contact Phone
Building/Location	Work Area	Air Technician
Materials to be Removed	Contractor	Contact Name & Phone
Rotometer #	Cassette Lot #	E-mail/Fax Results to

Project Phase ☐ Phase IB ☐ Phase IIA ☐ Phase IIB ☒ Phase IIC ☐ Phase IIC ☐ Env. ☐
Background Work Area Preparation Asbestos Handling Final Cleaning Clearance Airs

Field Sample #	B1	B2											
Pre-Calibrated Flow Rate													
Post-Calibrated Flow Rate													
Average Flow Rate	N/A	N/A											
Start Time Military Time													
End Time Military Time													
Duration (Minutes)													
Sample Volume (Liters)													

☐ Buf ELAP ID #11955 ☐ Roch ELAP ID # 10958

Lab Sample #	239	240	end										
Time Analyzed	1637	1638	1639										
Fibers/100 Fields	0	0											
Fibers/cc	NA	NA											

Sampled by: <i>[Signature]</i>	Date: 10/20/20
Relinquished by: <i>[Signature]</i>	Date: 10/20/20
Received in Lab by: <i>[Signature]</i>	Date: 10/20/2020 16:03
Analyzed By: <i>[Signature]</i>	Date: 10.20.2020
Microscope Make, Model & #: 234927	Turn-around Time ☒ Immed. ☐ 24 Hr. ☐ 48 Hr.

Comments:

serve as Final!

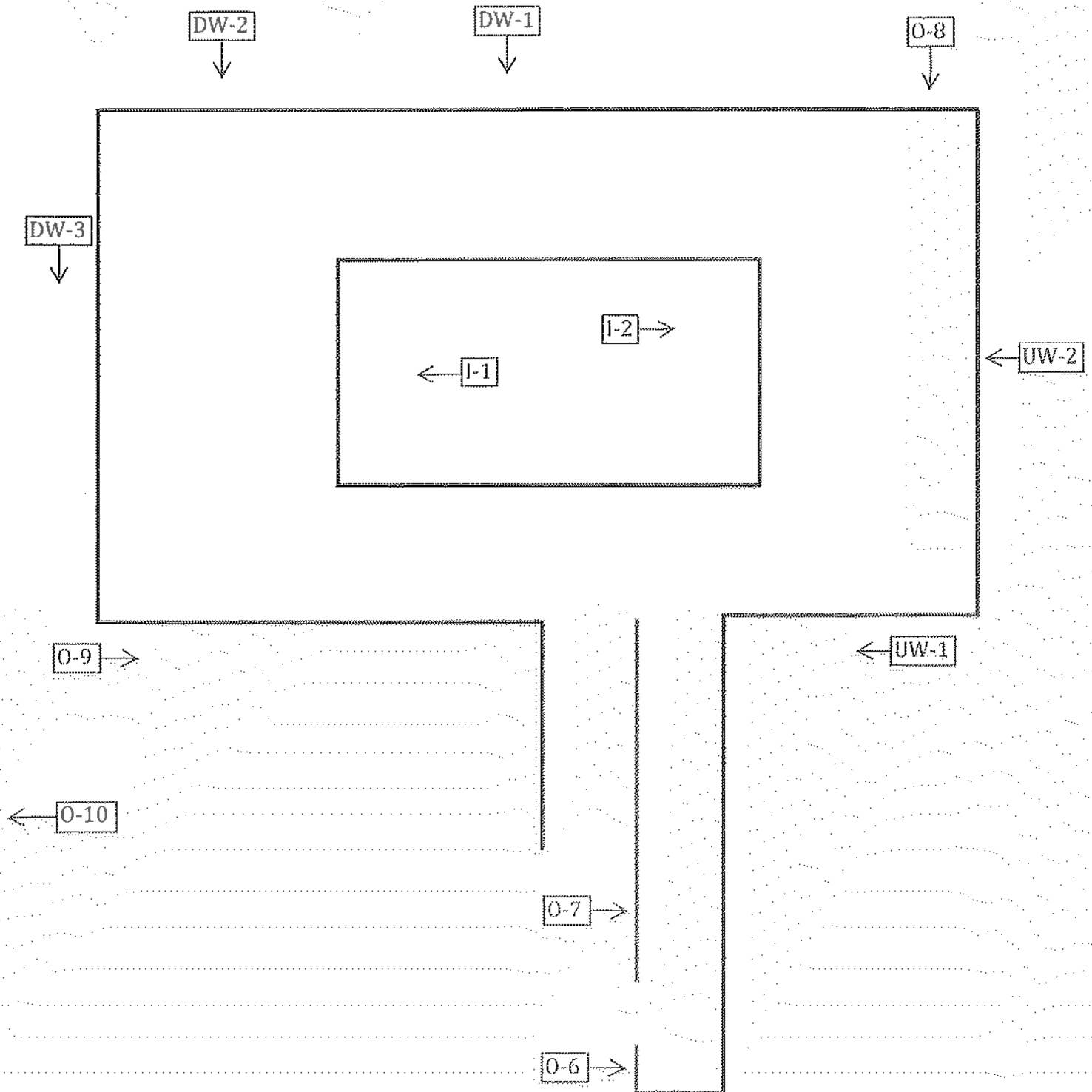
White - Lab Original

Yellow - Lab Copy

Pink - Project Folder

Goldenrod - Technician

Client: LaBella Associates
Location: 4777 Dewey Avenue, Greece, NY
Work Area: Building 8
Date: October 19-20, 2020
Project Number: P20-0575
Phase IIB (Work In Progress).





Air Sampling Log Book

Project Monitor: ☒ As per 12NYCRR Part 56 Amended March 21, 2007 Project #: 150-0575
 Air Technician: ☒ Name: Mike Alt Date: 10/19/20 Job Ticket #: 146210
 Building / Location: 4777 Dewey Ave. Work Area: Building 8 Shift: (A) B C
 Project Description: Labels & Ores Client / Owner Representative (Print Name): James Miner
 Client / Owner (Print Name): AAC Client Contact (Print Name): 94-08011
 Abatement Contractor (Print Name): AAA Abatement Supervisor (Print Name): AAA NYSDOL Asbestos Handling Certificate Number: 9/29/20
 Yes ☒ No ☐ Refometer Number: AAA Date of Last Calibration: 9/29/20
 Map Completed

Phase IB ☐ Phase IIA ☐ Phase IIB ☒ Phase IIC ☐ Phase IIC ☐
 Project Phase Backgrounds Work Preparation samples Asbestos Handling Samples Final Cleaning Samples Clearance Air Samples
 Class I ☐ Class II ☒ Large ☒ Small ☐ Minor ☐

Job Type: Roof for & Labels Sq/ft Ln/ft Project with multiple removals ☐

1st Check 1000 2nd Check 1100 3rd Check 1400 4th Check 5th Check

Time of air sampling pump check
 Notes

0730 - On-site. There are 3 workers, 1 supervisor, 1 PM from DEC and 1 supervisor on-site. We discuss the project plans / variance. We will take air samples during the debris clean-up. Then we move on to the interior roof removal portion of the project.
 0810 - Set-up my air pump samples.
 0900 - Workers are building waste cart.
 1000 - All samples running.
 1100 - All samples running.
 1200 - Workers break for lunch. They will begin debris clean-up after.
 1300 - Workers return and begin debris clean-up.
 1400 - All samples running.
 1510 - Workers are done for today. I enter the data / take down my samples then leave the site.

Mike Alt
 Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Air Sampling Log Book

Project Monitor: ☒

As per 12NYCRR Part 56 Amended March 21, 2007

Project #: 100-0575

Air Technician: ☒

Name: Kyle Alt

Date: 10/20/20

Job Ticket #: 146211

Building / Location: 1777 Dewey Ave.

Work Area: Building #8

Shift (A) B C

Project Description: Labeller associates

Client / Owner (Print Name): ABC

Client / Owner Representative (Print Name): Jordan Mason

Client Contact (Print Name): John Minor

Abatement Contractor (Print Name): ABC

Abatement Supervisor (Print Name): 100-01

NYSDEC Asbestos Handling Certificate Number: 94-08011

Yes ☒ No ☐

Date of Last Calibration: 9/29/20

Map Completed

Rotameter Number

Date of Last Calibration

Project Phase	Phase IB ☐	Phase IIA ☐	Phase IIB ☒	Phase IIC ☐	Phase IIC ☐
	Backgrounds	Work Preparation samples	Asbestos Handling Samples	Final Cleaning Samples	Clearance Air Samples
	Class I ☐	Class II ☒	Large ☒	Small ☐	Minor ☐

Job Type: Roof for debris Sq/ft Ln/ft Project with multiple removals ☐

Type of Material

1st Check	2nd Check	3rd Check	4th Check	5th Check

Time of air sampling pump check

Notes

0730 - On-site starting air samples/cleaning area.
 1 PM DEC On site. Workers continue their debris clean-up.
 0830 - All samples remaining.
 0930 - All samples remaining.
 1030 - All samples remaining.
 1130 - All samples remaining.
 1200 - Workers take a lunch break.
 1300 - Workers return.
 1400 - All samples remaining.
 1430 - I enter the area to inspect the debris clean-up portion. It passes.
 1500 - I tear down my samples and leave the site.

*1640 - Job calls and says workers' final pass passed.
 I call the supervisor and let him know.

Kyle Alt
Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.



Air Sampling Log Book

As per 12NYCRR Part 56 Amended March 21, 2007

Project Monitor: ☒

Air Technician: ☒

Name: Kyle Alt

Date: 10/21/20

Project #: 190-0575

Job Ticket #: 146212

Building / Location: 4777 Denver Ave

Work Area: Building #8

Shift (A) B C

Project Description:

Latella Associates

James Miner

Client / Owner (Print Name)

AAC

Client / Owner Representative (Print Name)

Gordon Ross

Client Contact (Print Name)

94-0801

Abatement Contractor (Print Name)

Yes ☒ No ☐

Map Completed

Abatement Supervisor (Print Name)

190-01

NYSDEC Asbestos Handling Certificate Number

7/29/20

Date of Last Calibration

Phase IB ☐

Phase IIA ☐

Phase IIB ☒

Phase IIC ☐

Phase IIC ☐

Project Phase

Backgrounds

Work Preparation samples

Asbestos Handling Samples

Final Cleaning Samples

Clearance Air Samples

Class I ☐

Class II ☒

Large ☒

Small ☐

Minor ☐

Job Type

Roof tar

Sq/ft

Ln/ft

Project with multiple removals ☐

Type of Material

1st Check

2nd Check

3rd Check

4th Check

5th Check

Time of air sampling pump check

Notes

0745 - PM site. There are 2 workers on / under using
1 Super Intendant on / 1 PM DEC on site.
0845 - workers removing roofing on ground / bush working
0945 - workers removing roofing on ground, flush worker (brush) on
1045 - workers removing roofing on ground
1100 - workers take a lunch
1300 - workers remove
1400 - workers removing roofing on ground / bush working
1500 - workers done. I leave the site.

Kyle Alt

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Air Sampling Log Book

Project Monitor: ☒ As per 12NYCRR Part 56 Amended March 21, 2007 Project #: 110-0575
Air Technician: ☒ Name: Kyle Bit Date: 10/23/10 Job Ticket #: 146214
Building / Location: 4777 Dewey Ave Work Area: Building 8 exterior Shift: (A) B C
Project Description: Labeler Associates
Client / Owner (Print Name): AAC Client / Owner Representative (Print Name): Gordon MSA Client Contact (Print Name): James Minor
Abatement Contractor (Print Name): AAC Abatement Supervisor (Print Name): Gordon MSA NYSDOL Asbestos Handling Certificate Number: 94-08011

Yes ☐ No ☐

Map Completed

Rotometer Number

Date of Last Calibration

Project Phase	Phase IB ☐	Phase IIA ☐	Phase IIB ☒	Phase IIC ☐	Phase IIC ☐
Backgrounds					
Work Preparation samples					
Asbestos Handling Samples					
Final Cleaning Samples					
Clearance Air Samples					
Class I ☐		Class II ☒	Large ☒	Small ☐	Minor ☐

Job Type

Roof for

Sq/ft

Ln/ft

Project with multiple removals ☐

Type of Material

1st Check

2nd Check

3rd Check

4th Check

5th Check

Time of air sampling pump check

Notes

0745 - On-site. There are 3 workers and 1 supervisor on site.
1 PM DEC on-site.
0845 - workers removing roofing
0945 - workers removing roofing
1045 - workers removing roofing
1200 - workers take a lunch break
1300 - workers return.
1400 - workers removing roofing
1500 - workers are done. I leave the site.

Kyle Bit
Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Air Sampling Log Book

As per 12NYCRR Part 56 Amended March 21, 2007

Project Monitor: ☒

Air Technician: ☐

Name: Kyle LH

Date: 12/26/00

Project #: 110-0575

Job Ticket #: 146-215 147449

Building / Location: 4777 Dewey Ave.

Work Area: Building 8 exterior

Shift: A B C

Project Description: Lobell's Associates

Client / Owner (Print Name): HAC

Client / Owner Representative (Print Name): Gordon Ross

Client Contact (Print Name): James Miner

Abatement Contractor (Print Name):

Abatement Supervisor (Print Name):

NYSDOL Asbestos Handling Certificate Number: 94-08011

Yes ☐ No ☐

Map Completed

Rotometer Number

Date of Last Calibration

Project Phase	Phase IB ☐	Phase IIA ☐	Phase IIB ☒	Phase IIC ☐	Phase IIC ☐
Backgrounds					
Work Preparation samples					
Asbestos Handling Samples					
Final Cleaning Samples					
Clearance Air Samples					
Class I ☐		Class II ☒	Large ☒	Small ☐	Minor ☐

Job Type: Roof for

Sq/ft Ln/ft Project with multiple removals ☐

Type of Material

1st Check 2nd Check 3rd Check 4th Check 5th Check

Time of air sampling pump check:

Notes

0745. On-site. There are 3 workers, 1 supervisor and 1. On-site.
0845 - workers removing roofing
0945 - workers removing roofing
1045 - workers removing roofing
1200 - workers take a lunch break
1300 - workers return.
1400 - workers removing roofing
1515 - workers are done. I leave the site

Air Technician Signature: [Signature]

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Air Sampling Log Book

As per 12NYCRR Part 56 Amended March 21, 2007

Project Monitor: ☐

Air Technician: ☐ Name: Mike Art

Date: 10/27/00

Project #: D10-0575

Job Ticket #: 146215

Building / Location: 4777 Denner Ave.

Work Area: Building & exterior

Shift (A) B C

Project Description

Labella Associates

Client / Owner (Print Name)

AAC

Client / Owner Representative (Print Name)

Gordon Rossy

Client Contact (Print Name)

94-08011

Abatement Contractor (Print Name)

Abatement Supervisor (Print Name)

NYSOOL Asbestos Handling Certificate Number

Yes ☐ No ☐

Map Completed

Rotometer Number

Date of Last Calibration

Project Phase	Phase IB ☐	Phase IIA ☐	Phase IIB ☒	Phase IIC ☐	Phase IIC ☐
Backgrounds					
Work Preparation samples					
Asbestos Handling Samples					
Final Cleaning Samples					
Clearance Air Samples					
Class I ☐		Class II ☒	Large ☒	Small ☐	Minor ☐

Job Type

Roof for

Sq/ft

Ln/ft

Project with multiple removals ☐

Type of Material

1st Check

2nd Check

3rd Check

4th Check

5th Check

Time of air sampling pump check

Notes

0745 - ON-Site. There are 3 workers and 1 supervisor, 1 superintendent.
0800 - 1 PM DEC ON-Site.
0845 - Workers removing roofing
0945 - Workers removing roofing
1045 - Workers removing roofing
1200 - Workers have a lunch break
1300 - Workers return
1400 - Workers removing roofing
1500 - Workers are done & leave the site.

Mike Art

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Air Sampling Log Book

Project Monitor: ☒

As per 12NYCRR Part 56 Amended March 21, 2007

Project #: T20-0575

Air Technician: ☐

Name: Julius Pizarro

Date: 10-28-20

Job Ticket #:

Building / Location:

Work Area: Roof

Shift ☒ A ☐ B ☐ C

Project Description

La Bella

Jared Mincer

Client / Owner (Print Name)

ABC

Client / Owner Representative (Print Name)

Randy Horn

Client Contact (Print Name)

Abatement Contractor (Print Name)

Abatement Supervisor (Print Name)

NYSDOL Asbestos Handling Certificate Number

Yes ☐ No ☒

N/A

N/A

Map Completed

Rotometer Number

Date of Last Calibration

Project Phase	Phase IB ☐	Phase IIA ☐	Phase IIB ☐	Phase IIC ☐	Phase IIC ☐
	Backgrounds	Work Preparation samples	Asbestos Handling Samples	Final Cleaning Samples	Clearance Air Samples
	Class I ☒	Class II ☐	Large ☒	Small ☐	Minor ☐

Job Type

Roofing

Sq/ft

Ln/ft

Project with multiple removals ☐

Type of Material

1st Check N/A 2nd Check N/A 3rd Check N/A 4th Check N/A 5th Check N/A

Time of air sampling pump check

Notes

- Paradigm on site to location
- Met with supervisor to discuss scope of work
- Contractors will be removing metal sheet roofing from building
- Contractor picking up flown debris & cleaning area around
- First half of Roof was remove
- Contractors will resume with backside of roof following day

Julius Pizarro

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.



Air Sampling Log Book

As per 12NYCRR Part 56 Amended March 21, 2007

Project Monitor: ☒

Air Technician: ☐ Name: Mike Bit

Date: 10/29/20

Project #: 10-0575

Job Ticket #: 146216

Building / Location: 4777 Downey Ave.

Work Area: Building 8 exterior

Shift (A) B C

Project Description

Labella Associates

Client / Owner (Print Name)

AAC

Client / Owner Representative (Print Name)

Gordon Rossa

Client Contact (Print Name)

94-08011

Abatement Contractor (Print Name)

Abatement Supervisor (Print Name)

NYSDEL Asbestos Handling Certificate Number

Yes ☐ No ☐

Map Completed

Rotometer Number

Date of Last Calibration

Project Phase	Phase IB ☐	Phase IIA ☐	Phase IIB ☒	Phase IIC ☐	Phase IIC ☐
Backgrounds					
Work Preparation samples					
Asbestos Handling Samples					
Final Cleaning Samples					
Clearance Air Samples					
Class I ☐		Class II ☒	Large ☒	Small ☐	Minor ☐

Job Type

Roof for

Sq/ft

Ln/ft

Project with multiple removals ☐

Type of Material

1st Check

2nd Check

3rd Check

4th Check

5th Check

Time of air sampling pump check

Notes

0745 - On-site. There are 3 workers, 1 supervisor, and 1 pump operator on-site. 1 super intent on-site.

0845 - Workers removing corrugated metal.

0945 - Workers removing corrugated metal.

1045 - Workers removing corrugated metal.

1100 - Workers take a lunch.

1300 - Workers return.

1400 - Workers removing corrugated metal.

1500 - Workers are done. 3 per down and leave.

Mike Bit
Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 Amended March 21, 2007

Building & Location: 4777 Dewey Ave. Building 8 Job Ticket # 146211
 Project Description: Loi Geller Associates Work Area: Roof Mover PROJECT # P20-0575
 Client/Owner (Print Name): _____ Client/Owner Representative (print name): _____

Abatement Contractor: _____ Supervisor (print name): _____ NYSDOL Asbestos Handling Certificate Number: _____

Yes ☐ No ☐
 Supervisors Visual Inspection Completed? ☒ Supervisor Completing Visual Inspection (print name): Kyle AH NYSDOL Asbestos Handling Certificate Number: 08-11285 Date: 10/20/20
 Project Monitor (Print Name): _____ NYSDOL Asbestos Handling Certificate Number: _____ Date: _____

Site Emergency Phone: _____
 Job Type: Class I ☐ Class II ☒ Roof for debris
 Job Size: Large ☐ Small ☒ Material ☐ Sq Ln Ft

Project Monitor Visual Inspection Checklist

Project with Multiple Removals ☐

Section A				Section B				Section C			
Inspectors Checklist		Needs Action		Visual Inspection		Needs Action		Procedures/ Paperwork		Needs Action	
SAT	Action	N/A		SAT	Action	N/A		SAT	Action	N/A	
Equipment				Personal Decontamination Unit				Paperwork & Procedures			
1. Flashlight				22. Clean & Free of Debris & Dust				42. Written Scope of Work (attached)			
2. Knife or pointed object				23. No Visible Pools of Liquid				43. Verbal Scope of Work (see below)			
3. Respirator				24. No condensation				44. Supervisor Present			
4. Hard Hat				25. All Isolation Barriers intact				45. Wait period observed			
5. Safety Glasses				Waste Decontamination Unit				Paperwork & Procedures			
6. Tyvek Suit				26. Clean & Free of Debris & Dust				46. Area Asbestos Survey			
7. Gloves				27. No Visible Pools of Liquid				47. Sign into work area			
Inspection				28. No condensation				48. Sign out of work area			
8. Enter all Spaces				29. All Isolation Barriers intact				49. Entry into Supervisors Log			
9. Inspect at Close Range				Regulated Abatement Work Area				50. Detail Findings			
Areas to Inspect				30. No Visible Pools of Liquid				51. Enter AH Cert. Number			
10. Permanent Fixtures				31. No condensation				52. Worker Present			
11. Light Fixtures				32. All Criticals intact							
12. Ductwork				33. All Isolation Barriers Intact							
13. Elevated Horizontal Surfaces				34. No Unremoved Materials							
14. Pipes				35. No Visible Debris							
15. Ceiling Grids/Sprinkler Heads				36. No Visible Dust							
16. Conduits				37. Examine Contractor Equipment							
17. Houseman Channels				38. Negative Air in Operation							
18. Floor and Wall Penetrations				39. No Debris or Water under Plastic							
19. Creases & Folds in Criticals				40. Completeness of Abatement**							
20. Walls & Corners				41. Completeness of Clean-up**							
21. Floors											

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up.

Deficiencies, Corrections or notes: All visible debris removed over and Building height 25 FT out
 1. _____
 2. _____
 3. _____
 4. _____

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below; if materials within the regulated area to remain also state this).

Supervisors Signature: _____ Date: _____
 Project Monitor Signature: Kyle AH Date: 10/20/20
 PASS ☒ Area Cleared to proceed with Clearance Airs
 FAIL ☐ Area needs Reclean and Reinspection

This report represents the condition of the above mentioned site at the time and date the observations were made.
 Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).
 Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (B.4.1 & B.4.5). Visual inspections do not include inspections behind, under or above critical or isolation barriers. This inspection is the responsibility of the asbestos abatement's supervisor under subpart 56-9.3 of ICR-56.

Copy delivered to: _____ On Date: _____ By: _____



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Air Sampling Log Book

Project Monitor: ☒ As per 12NYCRR Part 56 Amended March 21, 2007 Project #: 110-0575
 Air Technician: ☒ Name: Kyle Alt Date: 10/10/20 Job Ticket #: 146217
 Building / Location: 4777 Denox Ave. Work Area: Building exterior Shift (A) B C
 Project Description: Labelle Associates Client / Owner Representative (Print Name): James Liner
 Client / Owner (Print Name): LAC Client Contact (Print Name): 94-08011
 Abatement Contractor (Print Name): Abatement Supervisor (Print Name): NYSDOL Asbestos Handling Certificate Number:

Yes ☐ No ☐
 Map Completed: Rotometer Number: Date of Last Calibration:
 Project Phase: Phase IB ☐ Backgrounds Phase IIA ☐ Work Preparation samples Phase IIB ☐ Asbestos Handling Samples Phase IIC ☒ Final Cleaning Samples Phase IIC ☐ Clearance Air Samples
 Class I ☐ Class II ☒ Large ☒ Small ☐ Minor ☐
 Job Type: Roof for Sq/ft Ln/ft Project with multiple removals ☐

Type of Material:
 1st Check 2nd Check 3rd Check 4th Check 5th Check

Time of air sampling pump check:
 Notes

0745 - There are 3 workers 1 supervisor 1 superintendent and
 1 PM DEC CON-Site.
 0845 - workers removing corrugated metal
 0945 - workers removing corrugated metal
 1045 - workers removing corrugated metal
 1200 - workers take a lunch break
 1300 - workers return
 1400 - workers removing pieces of metal that fell.
 1500 - job is complete. I inspect the area and it passes.
 I leave the site.

Kyle Alt
 Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

Building 8 North Wall

EXECUTIVE SUMMARY

Paradigm Environmental Services Inc. was retained by **LaBella Associates** for the work at the **Former Air Force Plant 51, 4777 Dewey Avenue, Greece, New York**. Sample analysis and reporting were performed by Paradigm Environmental Services, Inc. All field activities, including air monitoring were performed by Paradigm.

ASBESTOS ABATEMENT AIR MONITORING

The scope of work for this minor project consisted of the removal of asbestos containing transite pipe from Building 8- North Wall.

Paradigm provided a New York State Department of Labor certified air technician to conduct asbestos abatement air sampling and a project monitor to complete a visual inspection. Air sampling consisted of **Phase IIC (Clearance)** sampling to monitor the concentrations of airborne fibrous material within the specified areas.

Paradigm Environmental Services Inc. conducted the air sampling in general accordance of New York State Department of Labor (NYSDOL) Asbestos Industrial Code Rule 56, 12NYCRR 56 as Amended March 21, 2007.

The PCM satisfactory clearance air sample results shall be considered satisfactory when every clearance air sample demonstrates an airborne concentration of fibers of less than 0.01 fibers per cubic centimeter, or the established levels(s), whichever is greater.

LABORATORY ANALYSIS

The samples were individually preserved within a container and transported to the Paradigm analytical laboratory for fiber content analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste, and Air and Emissions. Samples are stored at the laboratory for 90 days then disposed of as asbestos containing material.

The analytical methodology used is as follows:

Airborne Fibrous Material Samples - All analyses will be performed utilizing Phase Contrast Microscopy (PCM) according to NIOSH Analytical Method 7400 as prescribed in Title 12 NYCRR, Part 56, Subpart 56-4.6. Calculated intra and inter laboratory variability is provided on the analytical data report.

Laboratory QA/QC is conducted in accordance with requirements for Paradigm laboratory accreditations. These requirements include:

- 10% Duplicate Analysis
- Standard Reference Samples
- Proficiency Samples



PCM AIR REPORT

Client: LaBella Associates
Location: 4777 Dewey Avenue
Work Area: Building 8 North Wall
Project No.: P20-0575
Activity: Phase IIC (Clearance)

Lab Log No: 9307-20
Sample Date: 10/22/2020
Sampling Tech.: K. Alt
Page: 1 of 2

Abatement Contractor: A.A.C. Contracting, Inc.

Field Data and Sampling Provided By: **Paradigm Environmental Services, Inc.**

Field Sample ID:	I-1	O-2	B-1	B-2								
Sample Volume (L):	600	600	N/A	N/A								

Laboratory Analysis Performed By: **Paradigm Environmental Services, Inc. Rochester, New York**

ELAP ID No: 10958

Lab Sample ID:	71694	71695	71696	71697								
Fibers / 100 Fields:	1	1.5	0	0								
Fibers / mm2:	<7.0	<7.0	<7.0	<7.0								
Fibers / cc:	<0.01	<0.01	N/A	N/A								

Legend: I=Inside O=Outside E=Environmental B=Blank

These results relate only to the items tested or to the samples as received by the laboratory.

Samples were analyzed according to the NIOSH 7400 method.

Comments:

Date of Analysis: 10/22/2020
Microscope: Olympus 4E41365
Analyst: S. Johnston

Relative Standard Deviations	Fiber Ranges		
	5 - 20	20 - 50	50 - 100
S. Johnston	0.229	0.232	0.256
Laboratory	0.297	0.215	0.170

Laboratory Results Approved By:
Asbestos Technical Director or Designee

[Signature]
Fernanda Weinman

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. New York State Department of Health Environmental Laboratory Approval Program (ELAP) requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. These PCM results relate only to the items tested as received by the lab. This report must not be used to claim product endorsement by NYS ELAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory or analysts' precision) is available upon request.



PARADIGM

ENVIRONMENTAL SERVICES, INC.

100 Lake Avenue, Rochester, NY 14608 • Phone 585-647-2530 • Fax 585-647-3311

Asbestos Air Monitoring Chain of Custody

Meets NYCRR 56 amended March 21, 2007

Lab Job #

9307-20

Job Ticket #

146213

Project #

110-0575

Labok Associates

Client
1577 Down Ave.

Building/Location

Transite Pipe

Materials to be Removed

110-01

Rotometer #

Building 8 North Wall

Work Area

1000002

Cassette Lot #

David Miner

Client Contact

110-01

Air Technician

Contractor

E-mail/Fax Results to

585-313-9801

Client Contact Phone

585-208-0014

Air Technician Phone

585-202-1185

Contact Name & Phone

Miner@LabokPC.com

Project
Phase

Phase IB ☐
Background

Phase IIA ☐
Work Area Preparation

Phase IIB ☐
Asbestos Handling

Phase IIC ☐
Final Cleaning

Phase IIC ☒
Clearance Airs

Env. ☐

Field Sample #	I1	O2		B1	B2							
Pre-Calibrated Flow Rate	4.0	4.0		↓	↓							
Post-Calibrated Flow Rate	4.0	4.0		↓	↓							
Average Flow Rate	4.0	4.0		NA	NA							
Start Time Military Time	0910	0925										
End Time Military Time	1150	1155										
Duration (Minutes)	150	150										
Sample Volume (Liters)	600	600										

☐ Buf ELAP ID #11955

☐ Roch ELAP ID # 10958

Lab Sample #	1694	1695		1696	1697							
Time Analyzed	1313	1314		1315	1316	1317						
Fibers/100 Fields	1	1.5		0	0							
Fibers/cc	6.01	6.01		NA	NA							

Sampled by: Mike Pitt	Date: 10/22/20
Relinquished by: Mike Pitt	Date: 10/22/20 @ 1240
Received in Lab by: [Signature]	Date: 10/22/20 12:48
Analyzed By: [Signature]	Date: 10/22/20 1313
Microscope Make, Model & #:	Turn-around Time
4E4136C	Immed. 24 Hr. 48 Hr.

Comments:

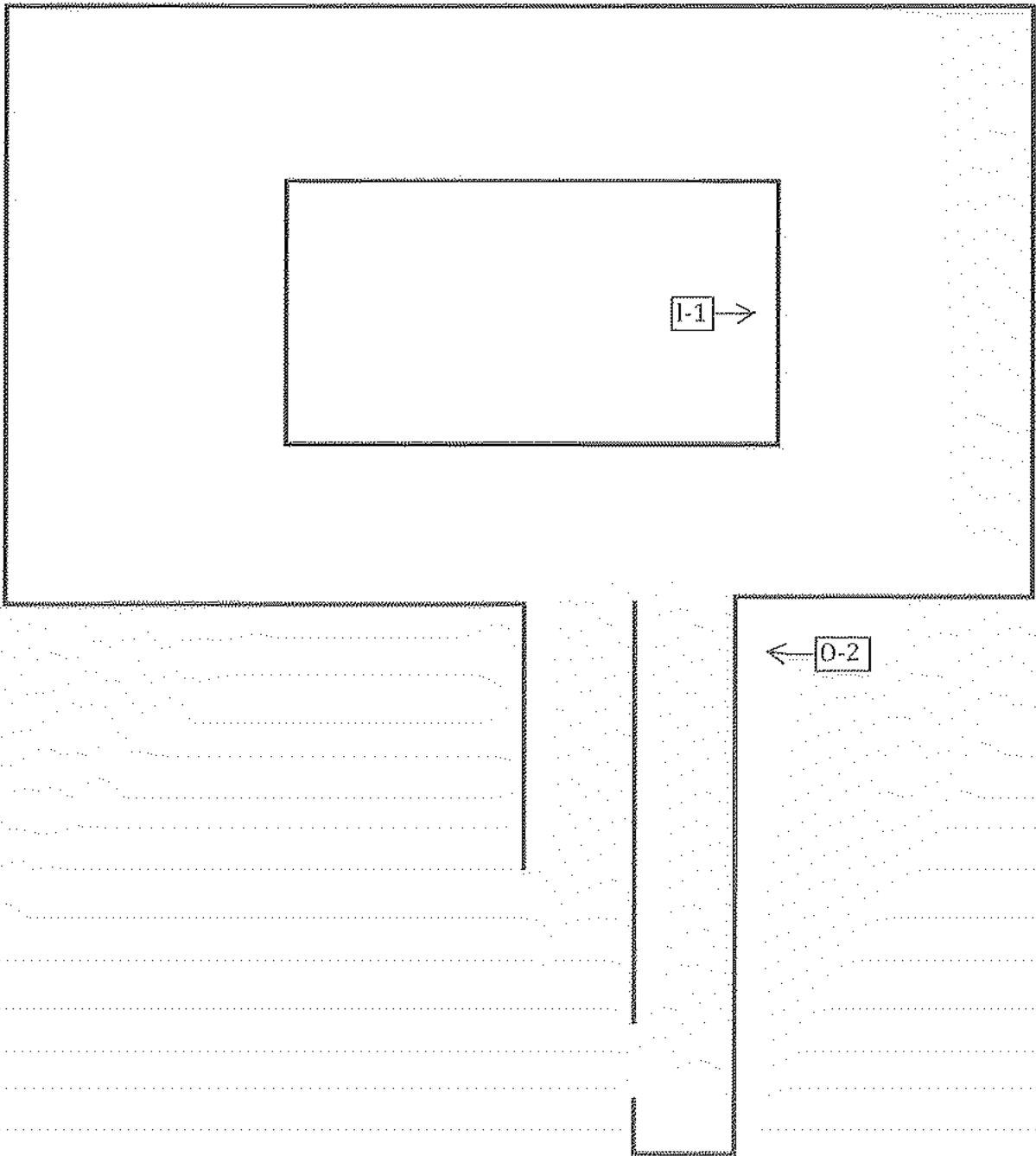
White - Lab Original

Yellow - Lab Copy

Pink - Project Folder

Goldenrod - Technician

Client: LaBella Associates
Location: 4777 Dewey Avenue, Greece, NY
Work Area: Building 8
Date: October 22, 2020
Project Number: P20-0575
Phase IIC (Clearance)





Air Sampling Log Book

As per 12NYCRR Part 56 Amended March 21, 2007

Project Monitor: ☒ Air Technician: ☒ Name: Kyle Alt Date: 10/20/20 Project #: 010-0575
Job Ticket #: 146213

Building / Location: 4777 Dewey Ave. Work Area: Building 8 Shift: (A) B C

Project Description: Labette Associates Client / Owner (Print Name): Labette Associates Client / Owner Representative (Print Name): Gordon Ross Client Contact (Print Name): Janet Miner
Abatement Contractor (Print Name): LHC Abatement Supervisor (Print Name): Paul - 01 NYSDOL Asbestos Handling Certificate Number: 94-08011
Map Completed: ☒ Yes ☐ No ☐ Phase IB ☐ Phase IIA ☐ Phase IIB ☐ Phase IIC ☐ Phase IIC ☒ Minor
Backgrounds Work Preparation samples Asbestos Handling Samples Final Cleaning Samples Clearance Air Samples
Class I ☒ Class II ☐ Large ☒ exterior wip Small ☐ Minor ☒
Job Type: Roof for Transit Pipe (Minor) Sq/ft Ln/ft Project with multiple removals ☐
Type of Material

1st Check 2nd Check 3rd Check 4th Check 5th Check

Time of air sampling pump check
Notes

0745 - On-site. There are 3 workers on (supervisor, 1 PM DEC
On-site workers begin removing transite pipe.
0845 - workers removing roofline
0920 - I run a minor check on the transite pipe.
1045 - workers removing roofline.
1150 - Minor is complete.
1200 - workers take a lunch. I run the minor checks
back to the lab.
1300 - back on-site. workers continue removing roof.
1315 - The lab tells me the minor passed. I inform
the Super V.S.O.
1415 - workers removing roofline
1515 - workers are done. I leave the site.

Kyle Alt

Air Technician Signature

The Air Monitoring Log Book is a multi-page document which must be viewed in its entirety.

Building 8 Exterior

EXECUTIVE SUMMARY

Paradigm Environmental Services, Inc. was retained by LaBella Associates for the work at the Former Air Force Plant 51, 4777 Dewey Avenue, Greece, New York.

ASBESTOS ABATEMENT VISUAL INSPECTIONS

The scope of work for this project consisted of the removal of asbestos containing roof tar from Building 8- Exterior.

Paradigm Environmental Services, Inc. provided a New York State Department of Labor certified project monitor to complete a visual inspection. The visual inspection passed, see attached visual inspection report.

Paradigm Environmental Services, Inc. conducted the visual inspection in general accordance of New York State Department of Labor (NYSDOL) Asbestos Industrial Code Rule 56, 12NYCRR 56 as amended March 21, 2007.



Project Monitor Visual Inspection Report

As per 12NYCRR Part 56 Amended March 21, 2007

Building & Location: 4777 Dewey Ave. Building 8 (Exterior) Job Ticket # 146217

Project Description

Work Area

Labello Associates

General Miner

PROJECT # P00-0575

Client/Owner (Print Name)

Client/Owner Representative (print name)

Abatement Contractor

Supervisor (print name)

NYSDOL Asbestos Handling Certificate Number

Yes ☐ No ☐

Supervisors Visual Inspection Completed?

Supervisor Gordon Rosa Completing Visual Inspection (print name)

NYSDOL Asbestos Handling Certificate Number

Date

Wile AH

08-11285

94-08011

10/30/20

Site Emergency Phone:

Job Type: Class I ☐ Class II ☐

☒ Roofing for window glaze K.D.A. 10/30/20

Job Size: Large ☐ Small ☐

Material

Sq Lr Ft

Project Monitor Visual Inspection Checklist

Project with Multiple Removals ☐

Section A				Section B				Section C			
Inspectors Checklist		Needs		Visual Inspection		Needs		Procedures/ Paperwork		Needs	
SAT	Action	N/A		SAT	Action	N/A		SAT	Action	N/A	
Equipment				Personal Decontamination Unit				Paperwork & Procedures			
Not Required				Required to Pass				Required to Pass			
1. Flashlight	☐	☐	☐	22. Clean & Free of Debris & Dust	☒	☐	☐	42. Written Scope of Work (attached)	☒	☐	☐
2. Knife or pointed object	☐	☐	☐	23. No Visible Pools of Liquid	☒	☐	☐	43. Verbal Scope of Work (see below)	☒	☐	☐
3. Respirator	☐	☐	☐	24. No condensation	☒	☐	☐	44. Supervisor Present	☒	☐	☐
4. Hard Hat	☐	☐	☐	25. All Isolation Barriers intact	☒	☐	☐	45. Wait period observed	☒	☐	☐
5. Safety Glasses	☐	☐	☐	Waste Decontamination Unit				Paperwork & Procedures			
6. Tyvek Suit	☐	☐	☐	Required to Pass				Not Required			
7. Gloves	☐	☐	☐	26. Clean & Free of Debris & Dust	☒	☐	☐	46. Area Asbestos Survey	☐	☐	☐
Inspection				27. No Visible Pools of Liquid	☒	☐	☐	47. Sign into work area	☐	☐	☐
Not Required				28. No condensation	☒	☐	☐	48. Sign out of work area	☐	☐	☐
8. Enter all Spaces	☐	☐	☐	29. All Isolation Barriers intact	☒	☐	☐	49. Entry into Supervisors Log	☐	☐	☐
9. Inspect at Close Range	☐	☐	☐	Regulated Abatement Work Area				50. Detail Findings	☐	☐	☐
Areas to Inspect				Required to Pass				51. Enter Full Name	☐	☐	☐
Not Required				30. No Visible Pools of Liquid	☒	☐	☐	52. Enter AH Cert. Number	☐	☐	☐
10. Permanent Fixtures	☐	☐	☐	31. No condensation	☒	☐	☐	53. Worker Present	☐	☐	☐
11. Light Fixtures	☐	☐	☐	32. All Criticals intact	☒	☐	☐		☐	☐	☐
12. Ductwork	☐	☐	☐	33. All Isolation Barriers intact	☒	☐	☐		☐	☐	☐
13. Elevated Horizontal Surfaces	☐	☐	☐	34. No Unremoved Materials	☒	☐	☐		☐	☐	☐
14. Pipes	☐	☐	☐	35. No Visible Debris	☒	☐	☐		☐	☐	☐
15. Ceiling Grids/Sprinkler Heads	☐	☐	☐	36. No Visible Dust	☒	☐	☐		☐	☐	☐
16. Conduits	☐	☐	☐	37. Examines Contractor Equipment	☒	☐	☐		☐	☐	☐
17. Houseman Channels	☐	☐	☐	38. Negative Air in Operation	☒	☐	☐		☐	☐	☐
18. Floor and Wall Penetrations	☐	☐	☐	39. No Debris or Water under Plastic	☒	☐	☐		☐	☐	☐
19. Creases & Folds in Criticals	☐	☐	☐	40. Completeness of Abatement**	☒	☐	☐		☐	☐	☐
20. Walls & Corners	☐	☐	☐	41. Completeness of Clean-up**	☒	☐	☐		☐	☐	☐
21. Floors	☐	☐	☐		☐	☐	☐		☐	☐	☐

Inspection requires a project monitor review of a written scope of work prior to the visual inspection to assure completeness of abatement and clean up

Deficiencies, Corrections or notes Briefly list all deficiencies and target compliance dates

1. All Roofing & Windows Removed.

2.

3.

4.

Verbal Scope of Work (any verbal scope of work supplied by the contractor must be written below, if materials within the regulated area are to remain also state this)

Supervisors Signature

Date 10-30-2020

Project Monitor Signature

Date 10/30/20

PASS

Area Cleared to proceed with Clearance Airs

FAIL

Area needs Reclean and Reinspection

This report represents the condition of the above mentioned site at the time and date the observations were made.

Inspection performed by certified project monitor, scope does not include full project monitoring responsibilities as defined by 12 NYCRR Part 56-3.2(d)(8).

Inspection was performed in accordance with 12NYCRR 56-9.1(d) & (d)(1) and ASTM document E-1386-05, (8.4.1 & 8.4.5). Visual inspections do not include inspections behind, under or above critical or isolation barriers. This inspection is the responsibility of the asbestos abatement's supervisor under subpart 56-9.3 of ICR-56.

Copy delivered to:

On Date:

By:

FVi form

White - Paradigm

Yellow - Technician

Pink - Contractor

Air Monitoring Project Record

Air Monitoring Project Record:

- ✓ Copy of Paradigm Environmental Services, Inc. Asbestos Contractors License.
- ✓ Copy of Paradigm Environmental Services, Inc. Air Monitoring and Project Monitoring License.
- ✓ Copy of Paradigm Environmental Services, Inc. ELAP Certification for Environmental Analysis Air and Emissions Fibers NIOSH 7400 A Rules.
- ✓ Visual Inspection by a Project Monitor (provided in area analytical reports)
- ☐ Written Scope of Work (not provided by building owner or building owner representative)

Certifications

New York State -- Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Paradigm Environmental Services, Inc.

179 Lake Ave.

Rochester, NY 14608

FILE NUMBER: 11-62819

LICENSE NUMBER: 62819

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 01/31/2020

EXPIRATION DATE: 01/31/2021

Duly Authorized Representative -- Mary Dohr

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. STEVE DEVITO
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby **APPROVED** as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Metals I

Lead, Total

NIOSH 7303

Miscellaneous

Asbestos

40 CFR 763 APXA No. III

NIOSH 7402

Fibers

NIOSH 7400 A RULES

Serial No.: 61260

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-5570 to verify the laboratory's accreditation status.

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



JULIUS P. PIZARRO

CLASS(EXPIRES)

C ATEC(12/20) H PM (12/20)

CERT# 17636185
DMV# 872500768

MUST BE CARRIED ON ASBESTOS PROJECTS

RENEWAL: 03/20/2020

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



KYLE D. ALT

CLASS(EXPIRES)

H PM (03/21)

CERT# 0811285
DMV# 865570457

MUST BE CARRIED ON ASBESTOS PROJECTS

RENEWAL: 03/20/2020

APPENDIX G

Disposal Documentation



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
42152121288

Expiration Date
12/22/2021

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 4215 - Niagara Falls

Generator Name: NYSDEC

Generator Site Address: 4777 Dewey Avenue

City: Greece

County:

State: NY

Zip:

Name of Waste: demo debris cinder blocks

Estimated Annual Volume: 100 Tons

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s): ☒ Landfill ☐ Solidification ☐ Bioremediation ☐ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The Asbestos waste described on this Profile Sheet must meet the definition of "Non-Friable" as described in 40 CFR 61.141. If upon inspection any Friable Asbestos is found, the entire shipment will be rejected.

Special Waste Analyst Signature: _____

Date: 1/18/2021

Name (Printed): KEITH DIAMANTI

III. Facility Decision:

☐ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Date: 1/18/2021

Name (Printed): _____



Disposal Facility: 4215 Pine Avenue Landfill NY

Waste Profile #: 42152121288

Sales Rep #: 368 Dwyer

I. Generator Information

Generator Name: NYSDEC

Generator Site Address: 4777 Dewey Avenue

City: Greece

County: Monroe

State: New York

Zip: 14612

State ID/Reg No: 828156

State Approval/Waste Code:

NAICS #:

Generator Mailing Address: ☒ (if different) 325 Broadway 12th Floor

City: Albany

County: Albany

State: New York

Zip: 12233-7017

Generator Contact Name: Dave Engert (LaBella)

Email: dengert@labellapc.com

Phone Number: 585-737-3293

Ext:

Fax Number:

II. Billing Information

Bill To: LaBella Associates

Contact Name: Accounts Payable

Billing Address: 300 State Street

Email: AP@labellapc.com

City: Rochester

State: New York

Zip: 14614

Phone: 585-454-6110

III. Waste Stream Information

Name of Waste: Demolition Debris

Process Generating Waste:

Demolition of cinder block structure. Structure was part of former powerhouse that contained transformers. Pre-demolition sampling indicated max PCB concentration of 1.4 ppm in block. Sample report contains results for concrete floor samples. Concrete floor was left in place and is not included in demolition debris. Pre-demolition survey report attached. Asbestos abatement was performed prior to demo.

Type of Waste: Industrial Process Waste

Physical State: Solid

Method of Shipment: Bulk

Estimated Volume: 100

Volume Type: Tons

Frequency: One-time Event (single project)

Disposal Consideration: Landfill

IV. Representative Sample Certification

☐ No Sample Taken

☒ Sample Taken Type of Sample: Grab Sample

Is this representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☒ Yes ☐ No

Sample Date: 7/7/20

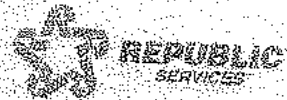
Sample ID Numbers or SDS:

L2028529-01 -02, -03, -04, -05, -06, -07, 08
Explanation on NYDEC letterhead attached

[Signature] 1/15/2021

Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

Waste Profile



V. Physical Characteristics of Waste

Characteristic Components (must equal 100%)

- Demolition debris
-
-
-
-

% By Weight (out of 100% - ranges acceptable)

100

Color:

Odor (describe):

Does Waste Contain Free Liquids?

% Solids:

pH:

Flash Point:

Gray

none

☐ Yes ☒ No

100

DE 12/22/20
NA

NA

NA

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

RCRA Regulatory Questions

- Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Aldrin, Dieldrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.32? ☐ Yes ☒ No
- Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) (reference 40 CFR 261.33(c)(5))? ☐ Yes ☒ No
- Does this waste contain regulated concentrations of Polychlorinated biphenyls (PCBs) as defined in 40 CFR Part 761? ☐ Yes ☒ No
- Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA Listed Solvents? ☐ Yes ☒ No
- Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register. ☐ Yes ☒ No
- Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? If Yes, identify the applicable waste code and specify if this waste is hazardous as defined by Federal, State or both? ☐ Yes ☒ No
- Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31? ☐ Yes ☒ No
- Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations? ☐ Yes ☒ No
- Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? ☐ Yes ☒ No
- Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation. ☐ Yes ☒ No

Republic Services Waste Handling Questions

- Does this waste generate heat or react when contacted with water/moisture? ☐ Yes ☒ No
- Does the waste contain sulfur or sulfur by-products? ☐ Yes ☒ No
- Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA? ☒ Yes ☐ No
- Is this waste from a TSD facility, TSD-like facility or consolidator (i.e., multiple wastes/multiple generators)? ☐ Yes ☒ No
- If yes to the above question, please provide clarification.

Site is in NY State Superfund Program (Site #328156). Waste contains only clean block demolition debris.

Site is WYSEEC Enactive Hazardous Waste Site, not CERCLA

Special Waste Profile



VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services.

David Engert

Authorized Representative Name
(Printed)

Project Manager

Title
(Printed)

La Bella Associates

Company Name

A handwritten signature in dark ink, appearing to read "David Engert", written over a horizontal line.

Representative Signature

12/22/2020

Date

Third Party Signature Authorization For Special Waste Disposal



Date: 12/22/20

Profile Number: 4215 21 21288

This Authorization is only valid for 3 years from the above date.

For office use only.

To Whom It May Concern:

Please be advised that the following company/individual has been appointed to work as our agent for purposes of managing waste materials that we may generate.

Name of Waste

Demolition Debris

David Engert

Name of Authorized Agent

Project Manager

Title

LaBella Associates

Name of Company

585-295-6630 / 585-737-3293

Telephone Number

The above broker/individual is authorized to act as our authorized agent for the following purposes:

- ☒ Complete and sign Special Waste Profile
- ☒ Complete and sign Special Waste Profile-Recertification
- ☒ Authorize amendments to Special Waste Profile
- ☒ Sign contracts to dispose and/or transport material
- ☒ Sign certifications necessary to comply with landfill requirements
- ☒ Sign manifests to initiate shipment to disposal facilities

I understand that attaching an electronic signature, I am signing this document, consent to complete this transaction and receive all related communication electronically, and agree this document will be binding as though I had physically signed it. A printout of this document may be accepted with the same authority as the original.

If electronic signature is preferred, please submit completed (unsigned) form to your Special Waste Coordinator or Special Waste Sales Executive to initiate signature process.

Our authorized agent will notify us prior to any action stated above, and will provide us with copies of any documents bearing our name.

NYS DEC - Env. Remediation

Name of Company

625 Broadway, 12TH Floor
Albany, NY 12233-7017

Mailing Address

Benjamin Rung

Generator Contact (Print Name)

Agent for NYS DEC

Title

Signature

(518) 402-9826

Telephone Number

benjamin.rung@dec.ny.gov

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau E
625 Broadway, 12th Floor, Albany, NY 12233-7017
P: (518) 402-9813 | F: (518) 402-9819
www.dec.ny.gov

January 13, 2021

Donald Dwyer
Republic Services
5600 Niagara Falls Blvd.
Niagara Falls, NY 14034

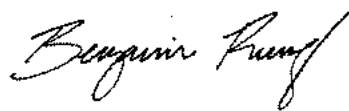
Re: Air Force Plant No. 51
City of Greece, Monroe County
Site No. 828156

Dear Mr. Dwyer:

The Air Force Plant No. 51 site (4777 Dewey Ave. property) is currently a New York State Inactive Hazardous Waste Disposal Site Program (State Superfund) site, Registry No. 828156, listed on the Registry in September of 2009. The site is also listed in the Department of Defense - Formerly Used Defense Site (FUDS) Program, Installation ID NY29799F111700. Although environmental cleanup at FUDS properties is conducted under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), no work has been performed at the site under the FUDS program since 2010. Upon information and belief, the Air Force Plant 51 site is not currently a Federal National Priorities List (NPL) site or otherwise subject to cleanup/regulation under CERCLA/SARA.

If you have further question or wish to discuss this matter further, please contact me at (518) 402-9826 or benjamin.rung@dec.ny.gov.

Sincerely,



Benjamin Rung, P.E.
Project Manager
Remedial Bureau E, Section A
Division of Environmental Remediation



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

FAX

INCOMPLETE FILE TRANSMITTAL

TO: Kathy Iodice

LOG NO.: 42152121288

FAX:

File Received: 12/29/2020

From: Special Waste Dept.

Response Date: 1/8/2021

Re: NYSDEC / demo debris cinder blocks

SECTION I	SECTION II	SECTION III	SECTION IV	SECTION V	SECTION VI
☐ DisposalFacility	☐ TransporterName	☐ NameOfWaste	☐ USEPA	☐ CharacteristicComponents	☐ GenAuthSignature
☐ GeneratorName	☐ TransporterSiteAddress	☐ ProcessGeneratingWaste	☐ SampleDate	☐ FreeLiquids	☐ GenCoName
☐ GeneratorSiteAddress	☐ TransporterCityStateZip	☐ TypeOfWaste	☐ CompositeGrab	☐ YesNo	☐ NoStateLetter
☐ GeneratorCityStateZip	☐ TransporterMailingAddress	☐ PhysicalState	☐ SampleID	☐ pH_Flash	☐ Name_Title
☐ GeneratorMailingAddress	☐ TransporterContactName	☐ MethodOfShipment			☐ SignatureDate
☐ GeneratorContactName	☐ TransporterTelFax	☐ EstimatedAnnualVolume			
☐ GeneratorTelFax		☐ Frequency			
☐ GeneratorStateID		☐ DisposalConsideration			
☐ WasteCodeTexas					

ANALYTICALS	TCLP TOTAL METALS	TCLP VOLATILES	TCLP SEMI-VOLATILES	PESTICIDES / HERBICIDE	
☐ TotalCyanide	☐ Arsenic	☐ Benzene	☐ Cresols	☐ Chlordane	☐ LabLetterhead
☐ ReactiveCyanide	☐ Barium	☐ CarbonTetrachloride	☐ DichlorobenzeneOne	☐ Endrin	☐ ChainOfCustody
☐ TotalSulfide	☐ Cadmium	☐ Chlorobenzene	☐ DinitrotolueneTwo	☐ Heptachlor	☐ NoLabSignature
☐ ReactiveSulfide	☐ Chromium	☐ Chloroform	☐ Hexachlorobenzene	☐ HeptachlorEpoxide	☐ ReportOneYearOldPlus
☐ TotalPCB	☐ Copper	☐ DichloroethaneOne	☐ Nitrobenzene	☐ Lindane	☐ NoThirdPartyLab
☐ TOX_EOX	☐ Lead	☐ DichloroethyleneTwo	☐ Pentachlorophenol	☐ Methoxychlor	☐ MissingReportPages
☐ Phenols	☐ Mercury	☐ MethylEthylKetone	☐ Pyridine	☐ Toxaphene	☐ MissingMSDSPages
☐ FlashPoint	☐ Selenium	☐ Tetrachloroethylene	☐ TrichlorophenolFive	☐ TwoFourD	☐ TotalSulfates
☐ pH	☐ Silver	☐ Trichlorethylene	☐ TrichlorophenolSix	☐ TwoFourFiveTP	☐ TotalSulfur
☐ PaintFilter	☐ Zinc	☐ VinylChloride			☐ WrongProfile
☐ TPH					
☐ BTEX					☒ GeneratorIncomplete

Notes:

Niagra landfill does not appear to be CERCLA approved to accept this waste. Generator indicated waste is from a state or federal superfund cleanup site. Keith

Special Waste Profile



Disposal Facility: 4215 Pine Avenue Landfill NY

Waste Profile #: 42152121288

Sales Rep #: 368 Dwyer

I. Generator Information

Generator Name: NYSDEC

Generator Site Address: 4777 Dewey Avenue

City: Greece

County: Monroe

State: New York

Zip: 14612

State ID/Reg No: 828156

State Approval/Waste Code:

NAICS #:

Generator Mailing Address: ☒ (if different) 625 Broadway 12th Floor

City: Albany

County: Albany

State: New York

Zip: 12233-7017

Generator Contact Name: Dave Engert (LaBella)

Email: dengert@labellapc.com

Phone Number: 585-737-3293

Ext:

Fax Number:

II. Billing Information

Bill To: LaBella Associates, DPC

Contact Name: Accounts Payable

Billing Address: 300 State St., Suite 201

Email: AP@labellapc.com

City: Rochester

State: New York

Zip: 14614

Phone: 585-454-6110

III. Waste Stream Information

Name of Waste: Demolition debris

Process Generating Waste: Demolition of under block structure. Structure was part of former powerhouse that contained transformers. Pre-demolition sampling indicated max PCB concentration of 1.4 ppm in block. Note - sample report contains results for concrete floor samples. Concrete floor was left in place and is not included in demolition debris. Pre-demolition survey report attached. Asbestos abatement was performed prior to demo.

Type of Waste: Industrial Process Waste

Physical State: Solid

Method of Shipment: Bulk

Estimated Volume: 100

Volume Type: Tons

Frequency: One-time Event (single project)

Disposal Consideration: Landfill

IV. Representative Sample Certification

☐ No Sample Taken

☒ Sample Taken Type of Sample: Grab Sample

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent? ☒ Yes ☐ No

Sample Date: 7/7/20

Sample ID Numbers or SDS:

L2028529-01, -02, -03, -04, -05, -06, -07, -08,

Remember to attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

Special Waste Profile



V. Physical Characteristics of Waste

Characteristic Components (must equal 100%):

- Demolition debris
-
-
-
-

% By Weight (out of 100% - ranges acceptable):

- 100
-
-
-
-

Color:

Gray

Odor (describe):

none

Does Waste Contain Free Liquids?

☐ Yes ☒ No

% Solids:

100

pH:

DE 12/22/20
na

Flash Point:

NA

°F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) including Chain of Custody and required parameters provided for this profile.

RCRA Regulatory Questions

- Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33? ☐ Yes ☒ No
- Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm) [reference 40 CFR 261.23(a)(5)]? ☐ Yes ☒ No
- Does this waste contain regulated concentrations of Polychlorinated biphenyls (PCBs) as defined in 40 CFR Part 761? ☐ Yes ☒ No
- Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents? ☐ Yes ☒ No
- Has this waste been delisted under 40 CFR 260.20 and 260.22? If yes, attach the final decision to delist the waste as published in the Federal Register. ☐ Yes ☒ No
- Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations? If Yes, identify the applicable waste code and specify if the waste is hazardous as defined by Federal, State or both? ☐ Yes ☒ No
- Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31? ☐ Yes ☒ No
- Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations? ☐ Yes ☒ No
- Is this a regulated Radioactive Waste as defined by Federal and/or State regulations? ☐ Yes ☒ No
- Is this a solid waste that is not a hazardous waste in accordance with 40 CFR 261.4(b)? If yes, please provide the corresponding regulatory citation. ☐ Yes ☒ No

Republic Services Waste Handling Questions

- Does this waste generate heat or react when contacted with water/moisture? ☐ Yes ☒ No
- Does the waste contain sulfur or sulfur byproducts? ☐ Yes ☒ No
- Is this waste generated at a State or Federal Superfund cleanup site subject to regulation under CERCLA? ☒ Yes ☐ No
- Is this waste from a TSD facility, TSD-like facility or consolidator (i.e. multiple wastes/multiple generators)? ☐ Yes ☒ No
- If yes to the above question, please provide clarification.

Site is in NY State Superfund Program (Site #828156). Waste contains only cinder block demolition debris.



January 5, 2021

Mr. Nelson Schnabel
New York State Department of Environmental Conservation
270 Michigan Avenue
Buffalo, New York 14203-2999

RE: NY 4564 for NYSDEC at 4777 Dewey Avenue, Greece NY 14612

Dear Nelson

Attached is application NY 4564 along with analytical for approximately 100 tons of cinder block demolition debris from the above address. Please note that in the description it notes that pre demo sampling indicated a max PBC concentration of 1.4ppm and that the sample report contains results for concrete floor samples. The concrete floor was left in place and will not be included in the demolition debris. Please review at your convenience for disposal here at our Niagara Falls Landfill facility.

Respectfully

Kathy

Kathleen Iodice
Special Waste Executive

Cc: Peter Grasso
Rachel Rubach

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7220 | F: (716) 851-7226
www.dec.ny.gov

January 5, 2021

Mrs. Kathy Iodice
Allied Waste Niagara Falls Landfill
5600 Niagara Falls Boulevard
Niagara Falls, New York 14304

Dear Mrs. Iodice:

Generator: NYSDEC Project
Address: 4777 Dewey Avenue
Greece, NY 14612
Waste description: cinder block demolition debris
Application # 4564

The Department has reviewed the above referenced application for Treatment or Disposal of an Industrial Waste Stream (Form 47-19-7). Based on the information provided, this waste is acceptable for disposal at the **Allied Waste Niagara Falls Landfill** in Niagara Falls, New York.

In the event that significant changes in the information presented on the application occur, you shall immediately notify this Department in writing. Such changes shall include, but not be limited to, changes in: process, facility name or address, waste composition and/or hauler.

Enclosed is a copy of the approved application. Should you have questions, please call this office at 716/851-7220.

Sincerely,



Nelson Schnabel
Environmental Engineer I

Enclosure

cc: Peter Grasso, Regional Materials Management Engineer
Rachel Rubach, DMM
32S11_AlliedWasteNiagaraFallsLandfill_Application#4564.2021-05-01.letter.NF.pdf



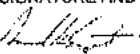
Department of
Environmental
Conservation

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE • BUREAU OF HAZARDOUS WASTE OPERATIONS
50 WOLF ROAD, ALBANY, NEW YORK 12233-4017

APPLICATION FOR TREATMENT OR DISPOSAL OF AN INDUSTRIAL WASTE STREAM

SEE APPLICATION INSTRUCTIONS ON REVERSE SIDE

FOR STATE USE ONLY		
SITE NO. 32S11	APPLICATION NO. 4564	DATE RECEIVED 1/5/2021
DEPARTMENT ACTION ☒ Approved ☐ Disapproved		DATE 1/5/2021

1. NAME OF PROJECT/FACILITY Allied Niagara Falls Landfill		2. COUNTY Niagara		3. SITE NUMBER 32S11	
4. NAME OF OWNER Allied Waste Systems		5. ADDRESS (Street, City, State, Zip Code) 5600 Niagara Falls Blvd., Niagara Falls, New York 14304-0354		6. TELEPHONE NO. (716) 285-3344	
7. NAME OF OPERATOR Allied Waste Systems		8. ADDRESS (Street, City, State, Zip Code) Same as Section 5 above		9. TELEPHONE NO. (716) 285-3344	
10. METHOD OF TREATMENT OR DISPOSAL Sanitary Landfill Disposal Code D90					
11. COMPANY GENERATING WASTE NYSDEC			12. ADDRESS OF FACILITY GENERATING WASTE (Street, City, State, Zip Code) 4777 Dewey Ave, Greece NY 14612		
13. REPRESENTATIVE OF WASTE GENERATOR Benjamin Rung		14. MAILING ADDRESS OF REPRESENTATIVE 625 Broadway 12th Floor Albany NY 12233-7017		15. TELEPHONE NO. 518-402-9826	
16. DESCRIPTION OF PROCESS PRODUCING WASTE Demolition of cinder block structure. Structure was part of former powerhouse that contained transformers. Pre Demo sampling indicated max PCB concentration of 1.4 ppm in block. Note- sample report contains results for concrete floor samples. Concrete floor was left in place and is not included in demolition debris.					
17. EXPECTED ANNUAL WASTE PRODUCTION 100 Tons/Year		18. WASTE HAULED IN ☐ Drums ☐ Bulk Tank ☐ Roll-Off Container ☒ Other DUMP TRUCKS			
19. WASTE COMPOSITION 19a. Average Percent Solids 99		19b. PHYSICAL STATE ☐ Liquid ☐ Slurry ☐ Sludge ☒ Solid ☐ Contained Gas		19c. pH Range N/A to	
19. COMPONENTS		CONCENTRATION (Dry Weight)		UNIT (Check One)	
		Upper Lower Typical		Wt.% PPM	
1) Cinder block demolition debris		95 100		☒ ☐	
2) _____		_____		☐ ☐	
3) _____		_____		☐ ☐	
4) _____		_____		☐ ☐	
20. IS AN ANALYSIS OF WASTE ATTACHED? ☒ Yes ☐ No		21. WAS A TCLP TEST CONDUCTED ON THE WASTE? ☐ Yes ☒ No If "Yes", attach results		22. MATERIAL IS: ☐ Hazardous ☒ Non-Hazardous	
23. DETAIL ALL HAZARD AND NUISANCE PROBLEMS ASSOCIATED WITH THE WASTES. List necessary safety, handling, treatment, and disposal precautions.					
24. WHERE WAS MATERIAL DISPOSED OF PREVIOUSLY? N/A					
25. NAME OF WASTE TRANSPORTER Pariso Trucking		26. ADDRESS (Street, City, State, Zip Code) 3645 Riverview Road, Tonawanda NY 14150		27. NYSDEC PERMIT NO. 9A-035	
28. TELEPHONE NO.					
29. CERTIFICATION I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.					
a. SIGNATURE AND TITLE OF REPRESENTATIVE OF WASTE GENERATOR  Project Manager				DATE 12/31/2020	
b. SIGNATURE AND TITLE OF REPRESENTATIVE OF TREATMENT OR DISPOSAL FACILITY Kathleen Iodice - Special Waste Executive - Republic Services Niagara Falls Landfill				DATE 1/4/2021	



Pre-Demolition Regulated Building Materials Inspection



Location:

Former Air Force Plant No. 51, Building 8
NYSDEC Site Number 82156
4777 Dewey Avenue
Rochester, New York 14612

Prepared for:

New York State Department of Environmental Conservation
Bureau of Environmental Remediation
625 Broadway
Albany, New York 12233

LaBella Project No. 2161937.049

August 3, 2020

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I. PROJECT DESCRIPTION

In accordance with current regulations, LaBella Associates, D.P.C. (LaBella) conducted a Pre-Demolition Regulated Building Materials (RBM) Inspection of the Former Air Force Plant No. 51 building 8 located at 4777 Dewey Avenue in Rochester, New York. The objective was to identify suspect RBMs, such as Asbestos-Containing Materials (ACM), Lead-Based Paint (LBP), polychlorinated biphenyls (PCB) containing caulking and glazing compounds, PCB Ballasts, PCB-contaminated surfaces, Mercury-containing items, etc. which may require abatement or removal prior to or during demolition due to applicable regulations.

Materials and locations understood to be impacted by this project were determined from information provided by the NYS Department of Environmental Conservation Bureau of Environmental Remediation.

II. SITE DESCRIPTION

The former Air Force Plant 51 (AFP51) is located at 4777 Dewey Avenue in Greece, New York. Building #8 is located along the western edge of the concrete slab of former Building #1. Building #8 was constructed in the early 1940s and served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switch gear for the Rochester Gas & Electric CO. electric feeder, three 200 KVA oil filled transformers housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. These systems have been decommissioned and are no longer in use.

The general dimensions of Building #8 are approximately 48 feet by 25 feet and cover an area of approximately 1,200 square feet. It is a single story building that contains a single large room with a semi-partitioned portion located along the northeastern wall. The construction materials include cinderblock walls supported by horizontal steel I-Beams, a concrete slab floor and a corrugated metal roofing system. The semi-partitioned area is the transformer vault, measuring 19 feet by 10 feet, and is composed of cinderblocks, metallic grates, and metallic grate floor.

III. INSPECTION PROCEDURES

The following procedures were used to obtain the data for this Report:

- A. Existing documentation was requested for review. A sampling plan titled "PCB Sampling Plan", prepared by Henningson, Durham & Richardson Architecture and Engineering, P.C. on April 22, 2020, was reviewed to develop an understanding of historical sampling events and known PCB concentrations. No other record drawings or documentation of previously completed inspections were made available.
- B. A visual inspection of the limited areas referenced above was conducted to identify visible and accessible sources of the above referenced suspect RBMs. Photographs captured during this inspection are attached in Appendix C.
- C. Bulk samples of accessible RBMs were collected and submitted for laboratory analysis.
- D. Asbestos samples were submitted for laboratory analysis. Preliminary Polarized Light Microscopy analyses of non-friable, organically bound (NOB) materials were performed by LaBella Laboratories, a NYSDOH accredited laboratory, to determine the presence and



percentage of asbestos in each sample. Transmission electron microscopy analyses of NOB materials, if necessary, were performed by AMA Laboratories.

- E. Suspect painted or glazed materials were checked in the field using XRF testing procedures for the presence of lead.
- F. Per the procedures outlined in the “PCB Sampling Plan”, nonporous non-painted surfaces within the building were sampled for PCB levels using hexane-filled wipes. Composite concrete chip samples were also collected from the interior walls and floors. Chip and wipe samples were submitted to Alpha Analytical.
- G. Results of the laboratory analyses, field testing and the visual on-site inspection were compiled and summarized.

IV. INSPECTION LIMITATIONS

This inspection was conducted in accordance with generally accepted environmental engineering practices for this region. Collection of bulk samples of suspect RBMs was limited to those materials readily accessible using hand tools or hand-held power tools. Homogeneous materials were identified and located based on visual observation from readily accessible points. The data derived from representative samples of any given homogeneous material represent conditions that apply only at that particular location. Inspection protocol and methodology requires that sample data be used to draw conclusions about the entire homogeneous area, but such conclusions may not necessarily apply to the general Site as a whole. No sub-surface investigations were performed to determine the possible presence of regulated materials on or in the immediate vicinity of the Site.

LaBella makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports. No inspection can wholly eliminate the uncertainty regarding the potential for undiscovered RBMs. The Work performed by LaBella is intended to reduce, but not eliminate, uncertainty regarding the potential for RBMs at the Site. This inspection report is not intended to be a bid document for an abatement scope of work. This report is intended to satisfy the requirements of NYS Code Rule 56-5 for inspections. Abatement project design can only be performed by a certified Project Designer.

V. INSPECTION RESULTS

Asbestos-Containing Materials (ACMs)

Based on laboratory analyses of bulk samples collected, the following materials were determined to contain greater than 1% asbestos. However, the following table does not include all of the materials sampled during this inspection; for a full list of materials sampled see the *Asbestos Bulk Sample Summary Table* immediately following this report.

Type of Material	Typical Location	Estimated Amount	Friability	Condition
Gray Transite	Inside Panel Boxes	4 SF	Non-Friable	Good
Black Transite	Panel Inside Wall By Transformers	3 SF	Non-Friable	Good
Black Window Caulk	Around Window Frames on the Interior of the Building	90 LF/ 2 SF	Non-Friable	Good



Type of Material	Typical Location	Estimated Amount	Friability	Condition
Gray Transite Pipe**	Flue Pipe Along the Exterior of the Building	15 LF	Non-Friable	Good
Black Roofing Cement	Along CMU Block Walls on the Interior of the Building & Around Exhausts on the Roof	60 SF	Non-Friable	Good
Black Tar Paper**	On Metal Roof	1,325 SF	Non-Friable	Good
Black Debris	On Ground of Exterior and Interior of the Building	825 SF	Non-Friable	Poor

**See below for a detailed description of material locations.

ACM Project Specific Details

Gray Transite Pipe

A gray asbestos-containing Transite pipe runs vertically along the exterior wall of the building. The Transite pipe turns 90 degrees and protrudes the exterior wall with approximately 1 linear foot located on the interior of the building. The transite pipe is generally in good condition and covers an area of approximately 15 linear feet.

Black Tar Paper

Black asbestos-containing tar paper is located on both the interior and exterior sides of the metal roof. The tar paper is generally in good to fair condition, although damaged sections of the tar paper were noted during the inspection. Visible black asbestos-containing debris (tar paper) was observed on both the interior and exterior ground surfaces around the building. The tar paper covers an area of approximately 1,325 square feet.

Note: *New York State Regulations currently consider this condition to represent an “Incidental Asbestos Disturbance”. See “Section V, Observations and Cautionary Statements” for additional information.*

PCB-Containing Materials

Historical reports (see Appendix F for more information) indicate that PCB containing materials were used and stored within Building #8. Previous testing results, performed by Day Environmental and HDR, indicate that PCBs exist at concentrations >50 ppm (and less than <500 ppm) in concrete chip and wipe samples collected in the vicinity of the former transformers, and in concrete chip samples collected in the southwestern and southern portions of Building #8. PCBs were also identified in the floor trench, south of the battery rack at concentrations >50 ppm (and less than <500 ppm). Refer to Appendix F for additional information relating to historical sampling at the project site.

Caulking and Glazing Compounds

It has recently been discovered that certain caulking and glazing compounds have the potential to contain PCBs. Caulking and glazing compounds containing equal to or greater than 50 ppm PCB must be disposed of as PCB-Contaminated hazardous waste. Therefore, caulking and a glazing compounds were observed, sampled and analyzed for the presence of PCBs. Based on laboratory analysis, these caulking and glazing compounds are **not** considered to be PCB-Contaminated (i.e. NOT $\geq$ 50 ppm PCBs).



Liquid-Filled Transformers

At the time of inspection, three 200 KVA oil filled transformers were observed. Older vintage liquid-filled transformers manufactured prior to 1980 typically contained PCB oil. All three transformers were labeled with “No PCB” stickers, indicating prior PCB removal had occurred.

Concrete Chip Sampling

In an effort to characterize the existing conditions within Building #8 prior to demolition, LaBella conducted additional composite concrete chip sampling throughout the interior of the building. Concrete chip sampling was conducted in accordance with the EPA’s Standard Operating Procedure for sampling porous surfaces for Polychlorinated Biphenyls dated May 2011. An impact drill equipped with a carbide drill bit was used to generate concrete powder for sample collection. Each location was pre-cleaned prior to sample collection in order to eliminate any potential contaminants. Samples were collected to a depth of approximately ½-inch, with multiple holes located adjacently in order to generate sufficient sample volumes for PCB determination.

Concrete chip samples were submitted to Alpha Analytical for PCB determination. All samples were extracted using USEPA method 3540C, and analyzed for PCBs following USEPA Method 8082. Low levels of PCBs were detected in each of the 12 concrete chip samples, and ranged from 0.596 ppm (east wall) to 22.4 ppm (floor). Each of the concrete chip samples taken on July 7, 2020 fell below the EPA “PCB bulk product waste” value of ≥ 50 ppm PCBs.

Wipe Sampling

Additionally, PCB wipe samples were collected from smooth and nonporous, unpainted surfaces throughout the building. This included, but was not limited to, windows, utility boxes, transformers, and structural steel. For each sample location, individual 100 square centimeter (cm²) templates were used for the collection area. Laboratory provided hexane-treated gauze pads were used to wipe the sample area, making sure to be mindful to apply uniform pressure during each swipe. Each location was wiped in three horizontal swiping motions followed by three vertical swiping motions. Samples were labeled and submitted to Alpha Analytical for PCB determination.

Wipe samples were extracted using USEPA method 3550B, and analyzed for PCBs following USEPA Method 8082. Of the fifteen (15) PCB wipe samples taken during the July 7, 2020 sampling event, 13 of samples revealed low levels of PCBs ranging from 0.113 ug/100cm² to 1.05 ug/100cm². The other two samples (Window C1 & N I-Beam W Side 3) were non-detect.

Handling and disposal of all materials impacted by PCBs at the project site should be conducted in accordance with 40 CFR Part 761 – Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and use Prohibitions. For a full summary of laboratory analytical reports, please refer to Appendix D.

Lead – Based Paint

Several representative interior and exterior painted surfaces were observed and tested for the presence of lead-based paint using XRF testing procedures. Lead-based components include:

- Gray painted metal window sashes;
- Gray metal cable;
- Gray painted metal transformers; and
- White painted metal fence post.

In accordance with Environmental Protection Agency (EPA) protocols, no other materials were observed or tested which contain lead above the action level threshold of 1.0 mg/cm².



The buildings and spaces inspected for this project do not include or comprise residential spaces applicable to the requirements of EPA lead-based paint management regulations. Therefore, EPA 40 Code of Federal Regulations (CFR) 745: Lead-Based Paint Renovation, Repair and Painting (RRP) Program Rule and HUD requirements do not apply. However, lead was detected at low concentrations in a variety of other building materials (i.e., walls, grate, I-Beam, etc.). Renovation and demolition contractors should be informed of the presence of lead for OSHA compliance considerations.

For purposes of reading this report, and understanding which wall or component in a particular space was sampled, walls were assigned the letters A, B, C, or D. The wall labeled as “A” is the address side of the building; walls B, C, and D will follow clockwise in succession.

VI. OBSERVATIONS AND CAUTIONARY STATEMENTS

Black Tar Paper

As stated earlier, the presence of damaged asbestos-containing tar paper observed on the interior and exterior of the building represent an “Incidental Asbestos Disturbance” scenario as defined by New York State Asbestos Regulations, (i.e. Industrial Code Rule 56). According to these regulations, personnel access to the areas affected shall be restricted until such time as the material is cleaned up by a licensed asbestos abatement contractor. The clean-up of this material shall take place as soon as possible.

For contamination cleanup scenarios, the notifiable quantity is the square footage of potentially contaminated surfaces. In addition, any cleanup scenario over a minor size (10 SF), requires a site-specific variance. While on site, the extent of contamination was quantified and assessed in accordance with all New York State Regulations. The certified asbestos inspector used his professional experience, as well as bulk sampling/analysis of the debris/residue, to define the limits of the contamination that must be cleaned up. The total quantity of disturbances on the interior and exterior of the building indicate a large project scenario (approximately 825 square feet), as well as the need for a site specific variance. The data collected during the inspection can be incorporated into a site- specific emergency variance application.

Vermiculite

Vermiculite has been used as loose insulation in attics, walls, CMU block, and as a component of plaster, fireproofing and other building materials. The NYS Department of Health considers Vermiculite to be an asbestos-containing material, and that building materials containing more than 10% Vermiculite should be treated as asbestos-containing.

Vermiculite was **not** observed in materials inspected for this project. Several preexisting holes and sections of the CMU block were missing and no loose fill vermiculite was observed. However, cautionary measures should still be taken during construction, renovation, and demolition to ensure that proper steps are taken if Vermiculite is discovered in previously inaccessible locations. If Vermiculite is discovered, work should be stopped immediately to address the issue and prevent the uncontrolled release and distribution of an asbestos-containing material.

Potentially Hidden/Inaccessible RBMs

Although this inspection was conducted in a manner consistent with recognized professional practices, the potential does exist for additional RBMs to be inaccessible, hidden, and undiscovered in the area inspected.

Asbestos Bulk Sample Summary Table

Asbestos Bulk Sample Summary Table

Pre-Demolition Regulated Building Materials Inspection
Former Air Force Plant No. 51, Building 8
4777 Dewey Avenue
Rochester, New York 14612

Items in Bold are Confirmed ACM

<i>Sample #</i>	<i>Type of Material</i>	<i>Sample Location</i>	<i>Results % Asbestos</i>
1A	Black Paper	Inside Panel Box in Transformer Room	None Detected
1B	Black Paper	Inside Panel Box in Transformer Room	None Detected
2A	Brown Transite	Inside Panel Boxes	None Detected
2B	Brown Transite	Inside Panel Boxes	None Detected
3A	Gray Transite	Inside Panel Boxes	Chrysotile 29%
3B	Gray Transite	Inside Panel Boxes	Not Analyzed Duplicate of 3A
4A	Black Transite	Panel in Wall of Transformer Room	Chrysotile 33%
4B	Black Transite	Panel in Wall of Transformer Room	Not Analyzed Duplicate of 4A
5A	Black Window Caulk	Around Window Frame on Interior of Windows	Chrysotile 11%
5B	Black Window Caulk	Around Window Frame on Interior of Windows	Not Analyzed Duplicate of 5A
6A	Gray Window Glazing Compound	Around Glass Panes of Window	None Detected
6B	Gray Window Glazing Compound	Around Glass Panes of Window	None Detected
7A	Gray Transite Pipe	Flue Pipe By Suspended Heater on Interior of Building	Chrysotile 25%
7B	Gray Transite Pipe	Flue Pipe Along Exterior of Building	Not Analyzed Duplicate of 7A
8A	Black Tar	Between Roof and CMU Blocks on Interior of Building	None Detected
8B	Black Tar	Between Roof and CMU Blocks on Interior of Building	None Detected
9A	Black Roofing Cement	Along CMU Block on Interior Walls	Chrysotile 16%
9B	Black Roofing Cement	Along CMU Block on Interior Walls	Not Analyzed Duplicate of 9A
10A	Black Tar Paper	On Metal Roof	Chrysotile 57%
10B	Black Tar Paper	On Metal Roof	Not Analyzed Duplicate of 10A
11A	Black Debris	On Ground in the Transformer Room	Chrysotile 50%

Appendix A

Inspection Fact Sheet

Inspection Fact Sheet

Name and Address of Building/Structure

Former Air Force Plant No. 51, Building 8

4777 Dewey Avenue

Rochester, New York 14612

Name and Address of Building/Structure Owner

New York State Department of Environmental Conservation

Bureau of Environmental Remediation

625 Broadway

Albany, New York

Name and Address of Owner's Agent

LaBella Associates, D.P.C.

300 State Street, Suite 201

Rochester, New York 14614

Name of the Firm & Person Conducting the Inspection

LaBella Associates, D.P.C.

Chris Enright (NYS DOL Cert. #06-08603)

Cory Stamp (LBP-R-1206349-1)

Dates the Inspection Was Conducted

July 6 & 7, 2020

Appendix B

Sample Location Drawings

Project Number: 2161937.049

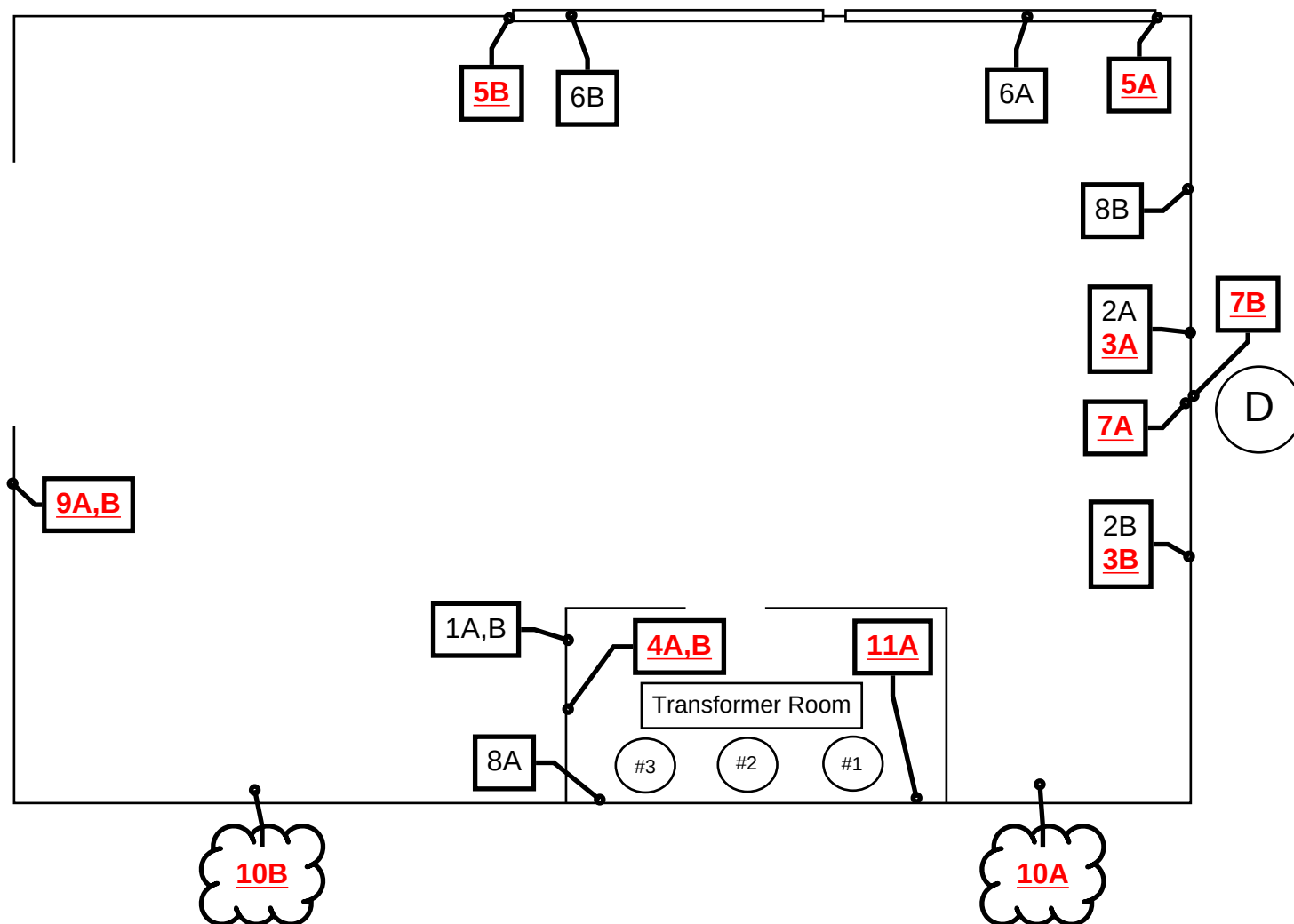
Former Air Force Plant No. 51

Building #8

Interior/Exterior Bulk Samples

C

Roofing
Samples



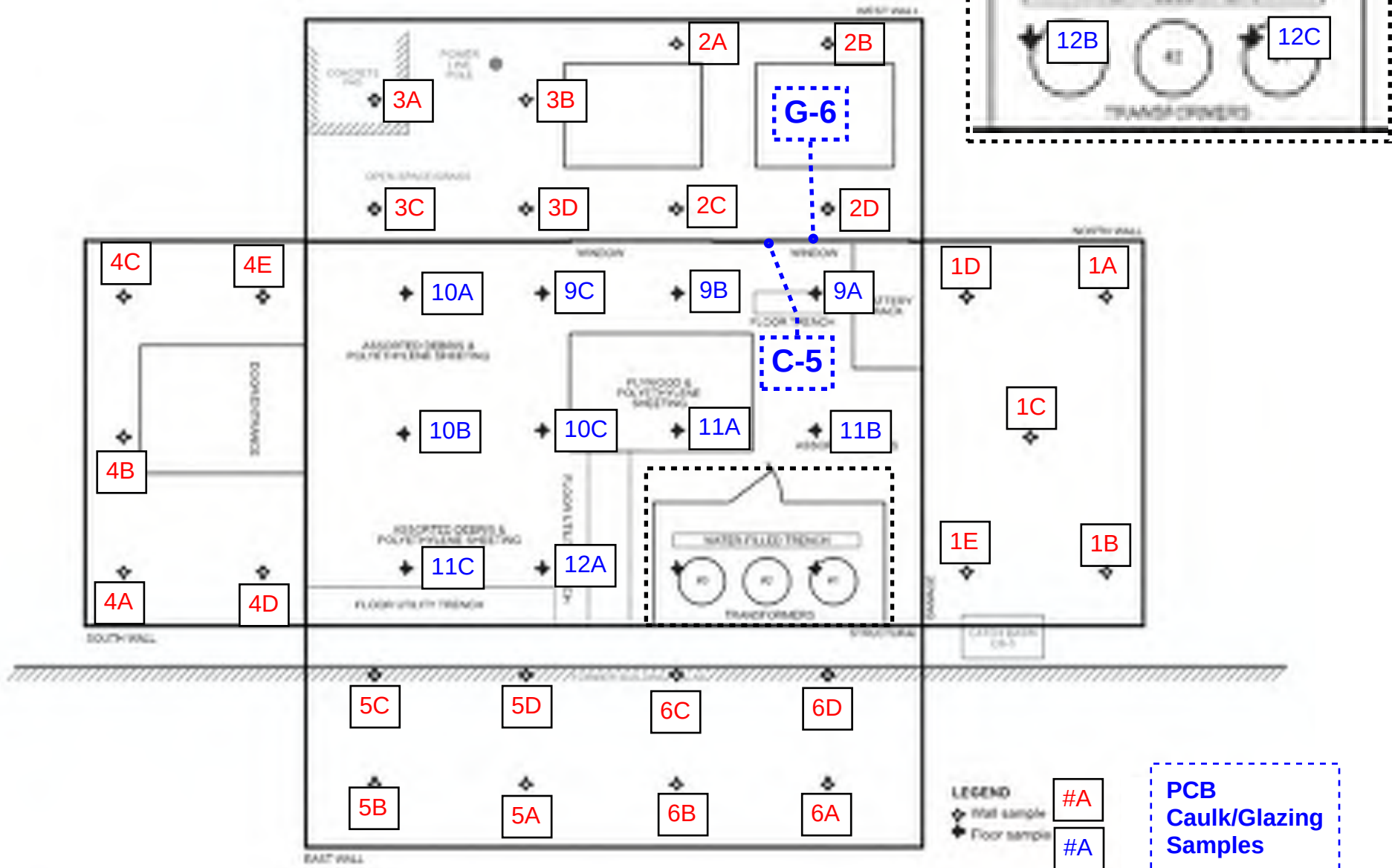
A

Confirmed ACM **Red and Underlined**

N →

Building 8 PCB Concrete Chip Sample Locations

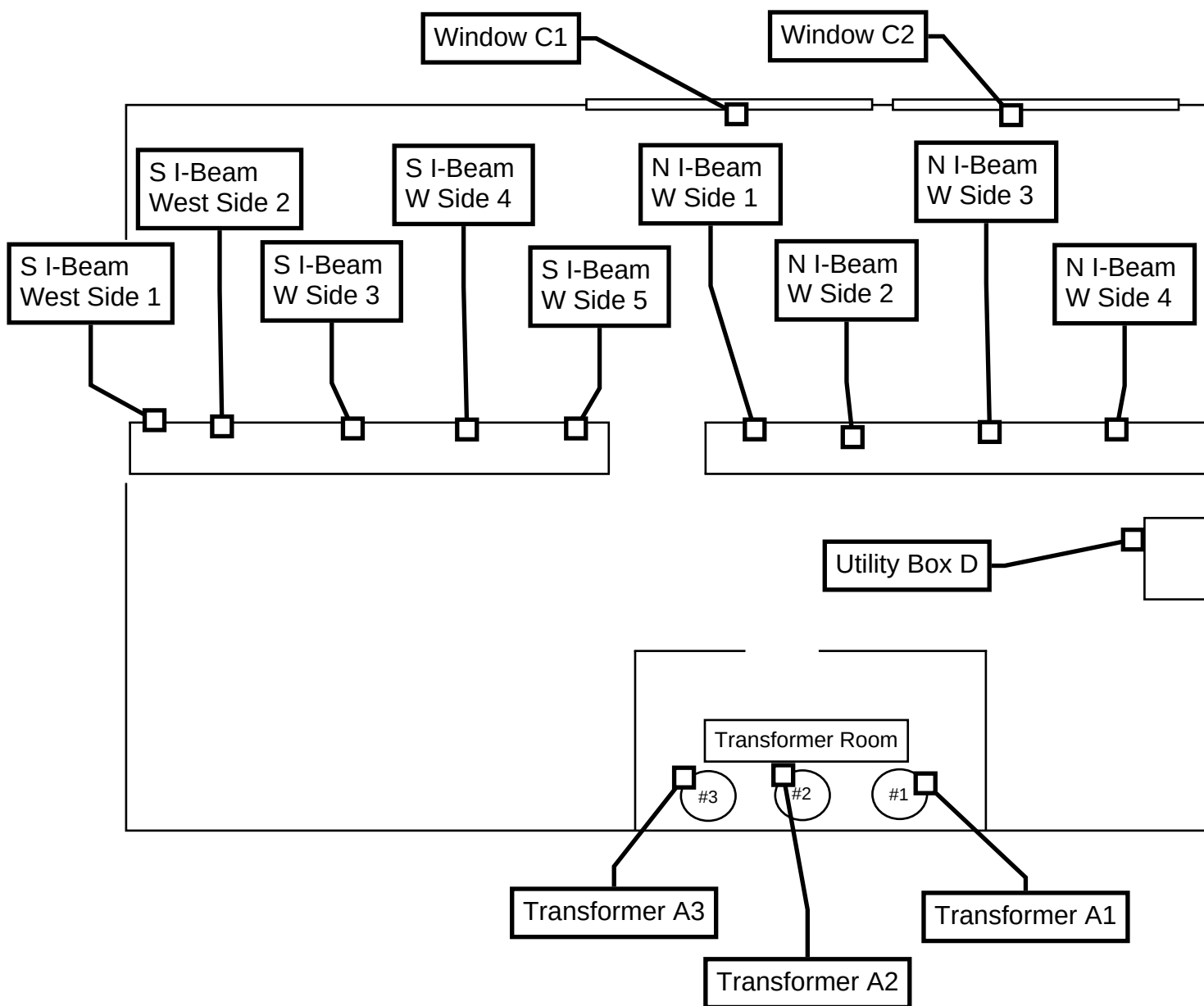
July 7, 2020
LaBella Project No. 2161937.049



N →

Building 8 PCB Wipe Sample Locations

July 7, 2020
LaBella Project No. 2161937.049



Appendix C

Inspection Photos



Photo 1
Building 8 interior and
transformer room, looking north



Photo 2
Building 8 interior, looking south



Photo 3
Transformer room interior

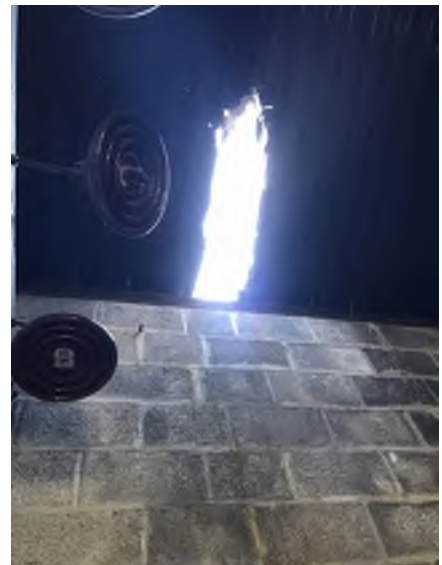


Photo 4
Roof damage in the transformer
room



Photo 5

Gray asbestos-containing transite located inside the panel boxes

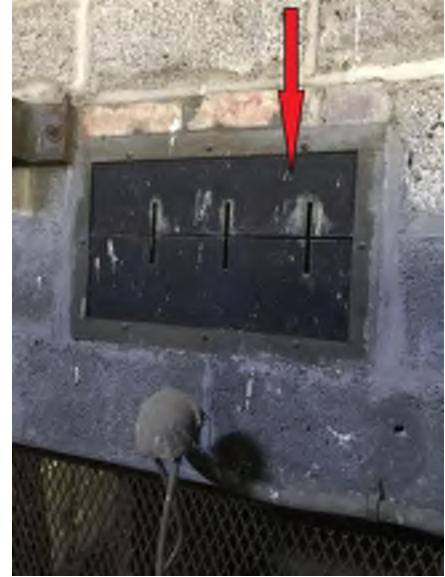


Photo 6

Black asbestos-containing transite located in the wall of the transformer room



Photo 7

Black asbestos-containing window caulk located around the window frame on the interior of the building



Photo 8

Gray asbestos-containing transite pipe located along the exterior of the building



Photo 9
Black asbestos-containing roofing cement located along the CMU blocks on the interior of the building



Photo 10
Black asbestos-containing tar paper located on the metal roof



Photo 11
Black asbestos-containing debris located on the ground of the interior of the building



Photo 12
Black asbestos-containing debris located on the ground of the exterior of the building



Photo 13

A fence post with white lead-based paint located along the concrete in front of the building



Photo 14

Both interior window sashes contain gray lead-based paint



Photo 15

All three transformers contain black lead-based paint



Photo 16

Lead-based metal cable

Appendix D

Laboratory Analytical Reports

Asbestos Results

**ASBESTOS SAMPLING SURVEY
BULK SAMPLE LOG
AND CHAIN OF CUSTODY**

Location: Air Force Plant SI - Bldg #8
4777 Dewey Ave, Rochester

Client: DEC

Job No.: 2161937

Rates: Standard

Date: 7/6/20

Relinquished by: Chris Enright

Sampled By: Chris Enright

Received by: Matt Smith

LaBella Lab No.: 47520

Number of Samples: _____

STOP Positive: (YES) NO

Field ID #	Sample Location	Type of Suspect ACM to be Analyzed	Approx. Amount
G 1 1A	Inside panel box by transformers	Black Paper	
G 2 1B	"	"	
P 3 2A	Inside panel boxes	Brown Transite	
P 4 2B	"	"	
+N 5 3A	Inside panel boxes	Gray Transite	
V 3B	"	"	
+N 6 4A	Board in wall by transformers	Black Transite	
V 4B	"	"	
+N 7 5A	Around window frame	Black window Caulk	
V 5B	"	"	
T 8 6A	Around glass panels of window	Gray window glazing compound	
T 9 6B	"	"	
+N 10 7A	Pipe along exterior of bldg	Gray Transite Pipe	
V 7B	"	"	
G 11 8A	Between roof & CMU on interior	Black Tar	
G 12 8B	"	"	
+N 13 9A	Along CMU block on interior	Black roofing cement	
V 9B	"	"	
+N 14 10A	On metal roof	Black Tar paper	
V 10B	"	"	
+N 15 11A	on ground by transformer (Interior)	Black Debris	

Lead Results

XRF Lead Sampling Summary Table
Former Air Force Plant No. 51, Building 8
4777 Dewey Avenue
Rochester, New York 14423
LaBella Project No. 2161937.049

Reading No.	Location (Room)	Wall (A, B, C D) & Structure	Substrate	Color	XRF Result
1	Calibration Check	-----	-----	-----	PASS
2	Main Room Interior	C, Window Sash 1	Metal	Gray	2.24+ P
3	Main Room Interior	C, Window Sash 2	Metal	Gray	2.39+ P
4	Main Room Interior	D, Rack	Metal	Gray	0.04
5	Main Room Interior	D, Air Conditioning Unit	Metal	Gray	0.00
6	Main Room Interior	D, Switch Box	Metal	Gray	0.00
7	Main Room Interior	A, Gate	Metal	Gray	0.01
8	Main Room Interior	A, Gate Case	Metal	Gray	0.00
9	Main Room Interior	Ceiling I-Beam	Metal	Black	0.01
10	Main Room Interior	A, Box	Metal	Silver	0.00
11	Main Room Interior	C, Switch Box	Metal	Silver	0.00
12	Main Room Interior	C, Breaker Box	Metal	Silver	0.00
13	Transformer Room	B, Cable	Metal	Gray	5.00+ I
14	Transformer Room	B, Cable Conduit	Metal	Gray	0.00
15	Transformer Room	A, Transformer 1	Metal	Gray	3.01+ P
16	Transformer Room	A, Transformer 2	Metal	Gray	2.68+ P
17	Transformer Room	A, Transformer 3	Metal	Gray	2.00+ P
18	Transformer Room	D, Grate	Metal	Gray	0.12
19	Transformer Room	B, Cable Sleeve	Metal	Gray	0.28
20	Transformer Room	B, Switch Box	Metal	Black	0.00
21	Transformer Room	C, Fence	Metal	Gray	0.00
22	Exterior	C	CMU	White	0.02
23	Exterior	D	CMU	White	0.03
24	Exterior	D, Fence Post	Metal	White	1.31+ P

I = Intact Condition. No visible damage or deterioration

P = Poor Condition. Paint is chipped, peeling, or otherwise damaged

XRF Lead Sampling Summary Table
Former Air Force Plant No. 51, Building 8
4777 Dewey Avenue
Rochester, New York 14423
LaBella Project No. 2161937.049

Reading No.	Location (Room)	Wall (A, B, C D) & Structure	Substrate	Color	XRF Result
25	Calibration Check	-----	-----	-----	PASS

I = Intact Condition. No visible damage or deterioration

P = Poor Condition. Paint is chipped, peeling, or otherwise damaged

PCB Results



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Labella Associates (1126)
Address: 300 State Street
Rochester, NY 14614-1098

Order #: 376702

Matrix Bulk
Received 07/08/20
Reported 07/09/20

Attn:

Project: Air Force Plant 51-Building #8
Location: 4777 Dewey Ave, Rochester NY
Number: 2161937

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
376702-001	C-5						
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1221		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1232		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1242		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1248		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1254		SW846 8082A	22100	2300	µg/kg	07/08/20	AE
Aroclor - 1260		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1262		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
Aroclor - 1268		SW846 8082A	<2300	2300	µg/kg	07/08/20	AE
PCB - Surrogate Recoveries							
DCB		D					
TCMX		D					
376702-002	G-6						
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1221		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1232		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1242		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1248		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1254		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1260		SW846 8082A	2310	495	µg/kg	07/08/20	AE
Aroclor - 1262		SW846 8082A	<496	495	µg/kg	07/08/20	AE
Aroclor - 1268		SW846 8082A	<496	495	µg/kg	07/08/20	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Labella Associates (1126)
Address: 300 State Street
Rochester, NY 14614-1098

Order #: 376702

Matrix Bulk
Received 07/08/20
Reported 07/09/20

Attn:

Project: Air Force Plant 51-Building #8
Location: 4777 Dewey Ave, Rochester NY
Number: 2161937

PO Number:

Sample ID	Cust. Sample ID	Location	Result	RL*	Units	Analysis Date	Analyst
Parameter		Method					
376702-07/09/20 03:30 PM							

Reviewed By: **Jennifer Lee**
Manager

State Certifications

Method	Parameter	New York	Virginia
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified

State	Certificate Number
New York	ELAP 61372
Virginia	VELAP 10779

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.



ANALYTICAL REPORT

Lab Number:	L2028529
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Jarrold Miner
Phone:	(585) 454-6110
Project Name:	BLDG 8, FORMER A.F. BASE S1
Project Number:	2161937.049
Report Date:	07/14/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2028529-01	1A-E NORTH	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:10	07/07/20
L2028529-02	2A-D WEST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:20	07/07/20
L2028529-03	3A-D WEST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:35	07/07/20
L2028529-04	4A-E SOUTH	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 10:45	07/07/20
L2028529-05	5A-D EAST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:00	07/07/20
L2028529-06	6A-D EAST	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:10	07/07/20
L2028529-07	7A-C INTERIOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:15	07/07/20
L2028529-08	8A-C INTERIOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:20	07/07/20
L2028529-09	9A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:25	07/07/20
L2028529-10	10A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:35	07/07/20
L2028529-11	11A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:40	07/07/20
L2028529-12	12A-C FLOOR	SOLID	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 11:50	07/07/20
L2028529-13	WINDOW C1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:30	07/07/20
L2028529-14	WINDOW C2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:32	07/07/20
L2028529-15	TRANSFORMER A1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:35	07/07/20
L2028529-16	TRANSFORMER A2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:40	07/07/20
L2028529-17	TRANSFORMER A3	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:42	07/07/20
L2028529-18	UTILITY BOX D	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:50	07/07/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2028529-19	S I-BEAM WEST SIDE 1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:51	07/07/20
L2028529-20	S I-BEAM WEST SIDE 2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:52	07/07/20
L2028529-21	S I-BEAM W SIDE 3	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:53	07/07/20
L2028529-22	S I-BEAM W SIDE 4	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:54	07/07/20
L2028529-23	S I-BEAM W SIDE 5	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:55	07/07/20
L2028529-24	N I-BEAM W SIDE 1	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:56	07/07/20
L2028529-25	N I-BEAM W SIDE 2	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:57	07/07/20
L2028529-26	N I-BEAM W SIDE 3	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:58	07/07/20
L2028529-27	N I-BEAM W SIDE 4	WIPE	4777 DEWEY AVE, ROCHESTER NY 14612	07/07/20 09:59	07/07/20

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

L2028529-02, -03, -05, -07 contains peaks which match the retention times for Aroclor 1260, but do not match the area ratios typical for this aroclor. The result for Aroclor 1260 is reported as "altered".

L2028529-09 and -11: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (0%,0%) and decachlorobiphenyl (0%,0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Jennifer L Clements

Title: Technical Director/Representative

Date: 07/14/20

ORGANICS

PCBS

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-01
Client ID: 1A-E NORTH
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 04:39
Analyst: AD
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	93.4	8.30	1	A
Aroclor 1221	ND		ug/kg	93.4	9.36	1	A
Aroclor 1232	ND		ug/kg	93.4	19.8	1	A
Aroclor 1242	ND		ug/kg	93.4	12.6	1	A
Aroclor 1248	ND		ug/kg	93.4	14.0	1	A
Aroclor 1254	ND		ug/kg	93.4	10.2	1	A
Aroclor 1260	873		ug/kg	93.4	17.3	1	B
Aroclor 1262	ND		ug/kg	93.4	11.9	1	A
Aroclor 1268	ND		ug/kg	93.4	9.68	1	A
PCBs, Total	873		ug/kg	93.4	8.30	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	119		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-02 **D**
Client ID: 2A-D WEST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 09:40
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	470	41.8	5	A
Aroclor 1221	ND		ug/kg	470	47.2	5	A
Aroclor 1232	ND		ug/kg	470	99.8	5	A
Aroclor 1242	ND		ug/kg	470	63.4	5	A
Aroclor 1248	ND		ug/kg	470	70.6	5	A
Aroclor 1254	ND		ug/kg	470	51.5	5	A
Aroclor 1260	1430		ug/kg	470	87.0	5	B
Aroclor 1262	ND		ug/kg	470	59.8	5	A
Aroclor 1268	ND		ug/kg	470	48.8	5	A
PCBs, Total	1430		ug/kg	470	41.8	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-03 **D**
Client ID: 3A-D WEST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 09:49
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	494	43.9	5	A
Aroclor 1221	ND		ug/kg	494	49.5	5	A
Aroclor 1232	ND		ug/kg	494	105.	5	A
Aroclor 1242	ND		ug/kg	494	66.6	5	A
Aroclor 1248	ND		ug/kg	494	74.1	5	A
Aroclor 1254	ND		ug/kg	494	54.0	5	A
Aroclor 1260	1250		ug/kg	494	91.3	5	B
Aroclor 1262	ND		ug/kg	494	62.8	5	A
Aroclor 1268	ND		ug/kg	494	51.2	5	A
PCBs, Total	1250		ug/kg	494	43.9	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-04
Client ID: 4A-E SOUTH
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:45
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 05:15
Analyst: AD
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	85.3	7.58	1	A
Aroclor 1221	ND		ug/kg	85.3	8.55	1	A
Aroclor 1232	ND		ug/kg	85.3	18.1	1	A
Aroclor 1242	ND		ug/kg	85.3	11.5	1	A
Aroclor 1248	ND		ug/kg	85.3	12.8	1	A
Aroclor 1254	ND		ug/kg	85.3	9.34	1	A
Aroclor 1260	853		ug/kg	85.3	15.8	1	A
Aroclor 1262	ND		ug/kg	85.3	10.8	1	A
Aroclor 1268	ND		ug/kg	85.3	8.84	1	A
PCBs, Total	853		ug/kg	85.3	7.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	146		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-05 **D**
Client ID: 5A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:00
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 09:57
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	453	40.2	5	A
Aroclor 1221	ND		ug/kg	453	45.4	5	A
Aroclor 1232	ND		ug/kg	453	96.1	5	A
Aroclor 1242	ND		ug/kg	453	61.1	5	A
Aroclor 1248	ND		ug/kg	453	68.0	5	A
Aroclor 1254	ND		ug/kg	453	49.6	5	A
Aroclor 1260	1260		ug/kg	453	83.8	5	B
Aroclor 1262	ND		ug/kg	453	57.6	5	A
Aroclor 1268	ND		ug/kg	453	47.0	5	A
PCBs, Total	1260		ug/kg	453	40.2	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-06
Client ID: 6A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 05:38
Analyst: AD
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	86.2	7.66	1	A
Aroclor 1221	ND		ug/kg	86.2	8.64	1	A
Aroclor 1232	ND		ug/kg	86.2	18.3	1	A
Aroclor 1242	ND		ug/kg	86.2	11.6	1	A
Aroclor 1248	ND		ug/kg	86.2	12.9	1	A
Aroclor 1254	ND		ug/kg	86.2	9.44	1	A
Aroclor 1260	596		ug/kg	86.2	15.9	1	A
Aroclor 1262	ND		ug/kg	86.2	11.0	1	A
Aroclor 1268	ND		ug/kg	86.2	8.94	1	A
PCBs, Total	596		ug/kg	86.2	7.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-07
Client ID: 7A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:15
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 05:50
Analyst: JM
Percent Solids: 100%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	92.9	8.25	1	A
Aroclor 1221	ND		ug/kg	92.9	9.31	1	A
Aroclor 1232	ND		ug/kg	92.9	19.7	1	A
Aroclor 1242	ND		ug/kg	92.9	12.5	1	A
Aroclor 1248	ND		ug/kg	92.9	13.9	1	A
Aroclor 1254	ND		ug/kg	92.9	10.2	1	A
Aroclor 1260	1080		ug/kg	92.9	17.2	1	A
Aroclor 1262	ND		ug/kg	92.9	11.8	1	A
Aroclor 1268	ND		ug/kg	92.9	9.62	1	A
PCBs, Total	1080		ug/kg	92.9	8.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-08
Client ID: 8A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 06:02
Analyst: AD
Percent Solids: 100%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	86.4	7.67	1	A
Aroclor 1221	ND		ug/kg	86.4	8.66	1	A
Aroclor 1232	ND		ug/kg	86.4	18.3	1	A
Aroclor 1242	ND		ug/kg	86.4	11.6	1	A
Aroclor 1248	ND		ug/kg	86.4	13.0	1	A
Aroclor 1254	ND		ug/kg	86.4	9.45	1	A
Aroclor 1260	746		ug/kg	86.4	16.0	1	A
Aroclor 1262	ND		ug/kg	86.4	11.0	1	A
Aroclor 1268	ND		ug/kg	86.4	8.95	1	A
PCBs, Total	746		ug/kg	86.4	7.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-09 **D**
Client ID: 9A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:25
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 10:11
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1780	158.	20	A
Aroclor 1221	ND		ug/kg	1780	179.	20	A
Aroclor 1232	ND		ug/kg	1780	378.	20	A
Aroclor 1242	ND		ug/kg	1780	240.	20	A
Aroclor 1248	ND		ug/kg	1780	267.	20	A
Aroclor 1254	ND		ug/kg	1780	195.	20	A
Aroclor 1260	16800		ug/kg	1780	329.	20	B
Aroclor 1262	ND		ug/kg	1780	226.	20	A
Aroclor 1268	ND		ug/kg	1780	185.	20	A
PCBs, Total	16800		ug/kg	1780	158.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-10 **D**
Client ID: 10A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 10:04
Analyst: JAW
Percent Solids: 98%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	459	40.7	5	A
Aroclor 1221	ND		ug/kg	459	46.0	5	A
Aroclor 1232	ND		ug/kg	459	97.3	5	A
Aroclor 1242	ND		ug/kg	459	61.8	5	A
Aroclor 1248	ND		ug/kg	459	68.8	5	A
Aroclor 1254	ND		ug/kg	459	50.2	5	A
Aroclor 1260	6880		ug/kg	459	84.8	5	B
Aroclor 1262	ND		ug/kg	459	58.3	5	A
Aroclor 1268	ND		ug/kg	459	47.5	5	A
PCBs, Total	6880		ug/kg	459	40.7	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-11 D
Client ID: 11A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:40
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 10:19
Analyst: JAW
Percent Solids: 99%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	1900	169.	20	A
Aroclor 1221	ND		ug/kg	1900	190.	20	A
Aroclor 1232	ND		ug/kg	1900	403.	20	A
Aroclor 1242	ND		ug/kg	1900	256.	20	A
Aroclor 1248	ND		ug/kg	1900	285.	20	A
Aroclor 1254	ND		ug/kg	1900	208.	20	A
Aroclor 1260	22400		ug/kg	1900	351.	20	B
Aroclor 1262	ND		ug/kg	1900	242.	20	A
Aroclor 1268	ND		ug/kg	1900	197.	20	A
PCBs, Total	22400		ug/kg	1900	169.	20	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	A
Decachlorobiphenyl	0	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150	B
Decachlorobiphenyl	0	Q	30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-12
Client ID: 12A-C FLOOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:50
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Solid
Analytical Method: 1,8082A
Analytical Date: 07/13/20 06:49
Analyst: AD
Percent Solids: 98%

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	98.2	8.72	1	A
Aroclor 1221	ND		ug/kg	98.2	9.84	1	A
Aroclor 1232	ND		ug/kg	98.2	20.8	1	A
Aroclor 1242	ND		ug/kg	98.2	13.2	1	A
Aroclor 1248	ND		ug/kg	98.2	14.7	1	A
Aroclor 1254	ND		ug/kg	98.2	10.7	1	A
Aroclor 1260	886		ug/kg	98.2	18.2	1	A
Aroclor 1262	ND		ug/kg	98.2	12.5	1	A
Aroclor 1268	ND		ug/kg	98.2	10.2	1	A
PCBs, Total	886		ug/kg	98.2	8.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-13
Client ID: WINDOW C1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:30
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 22:36
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	ND		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	ND		ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-14
Client ID: WINDOW C2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:32
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 22:48
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.153	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.098	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.251	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-15
Client ID: TRANSFORMER A1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:35
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:00
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.771		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.279	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	1.05	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-16
Client ID: TRANSFORMER A2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:40
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:12
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.901		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.901		ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-17
Client ID: TRANSFORMER A3
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:42
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:24
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.113	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.113	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-18
Client ID: UTILITY BOX D
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:50
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:36
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.342	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.165	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	0.507	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-19
Client ID: S I-BEAM WEST SIDE 1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:51
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:47
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.471	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.202	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.673	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-20
Client ID: S I-BEAM WEST SIDE 2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:52
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/10/20 23:59
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.450	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.188	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.638	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-21
Client ID: S I-BEAM W SIDE 3
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:53
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:11
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.496	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.173	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	0.669	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-22
Client ID: S I-BEAM W SIDE 4
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:54
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:23
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.585		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.203	J	ug/100cm2	0.500	0.052	1	B
PCBs, Total	0.788	J	ug/100cm2	0.500	0.044	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-23
Client ID: S I-BEAM W SIDE 5
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:55
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:35
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.123	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.060	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.183	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-24
Client ID: N I-BEAM W SIDE 1
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:56
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:47
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.164	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.078	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.242	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-25
Client ID: N I-BEAM W SIDE 2
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:57
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 00:59
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.292	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.096	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.388	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-26
Client ID: N I-BEAM W SIDE 3
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:58
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 01:11
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	ND		ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	1	A
PCBs, Total	ND		ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-27
Client ID: N I-BEAM W SIDE 4
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 09:59
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:

Matrix: Wipe
Analytical Method: 1,8082A
Analytical Date: 07/11/20 01:23
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/100cm2	0.500	0.044	1	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	1	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	1	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	1	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	1	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	1	A
Aroclor 1260	0.452	J	ug/100cm2	0.500	0.092	1	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	1	A
Aroclor 1268	0.173	J	ug/100cm2	0.500	0.052	1	A
PCBs, Total	0.625	J	ug/100cm2	0.500	0.044	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/10/20 22:00
Analyst: CW

Extraction Method: EPA 3540C
Extraction Date: 07/09/20 13:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/10/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/10/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 13-27 Batch: WG1390460-1						
Aroclor 1016	ND		ug/100cm2	0.500	0.044	A
Aroclor 1221	ND		ug/100cm2	0.500	0.050	A
Aroclor 1232	ND		ug/100cm2	0.500	0.106	A
Aroclor 1242	ND		ug/100cm2	0.500	0.067	A
Aroclor 1248	ND		ug/100cm2	0.500	0.075	A
Aroclor 1254	ND		ug/100cm2	0.500	0.055	A
Aroclor 1260	ND		ug/100cm2	0.500	0.092	A
Aroclor 1262	ND		ug/100cm2	0.500	0.064	A
Aroclor 1268	ND		ug/100cm2	0.500	0.052	A
PCBs, Total	ND		ug/100cm2	0.500	0.044	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/13/20 04:04
Analyst: AD

Extraction Method: EPA 3540C
Extraction Date: 07/12/20 00:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-12 Batch: WG1391227-1						
Aroclor 1016	ND		ug/kg	95.2	8.46	A
Aroclor 1221	ND		ug/kg	95.2	9.54	A
Aroclor 1232	ND		ug/kg	95.2	20.2	A
Aroclor 1242	ND		ug/kg	95.2	12.8	A
Aroclor 1248	ND		ug/kg	95.2	14.3	A
Aroclor 1254	ND		ug/kg	95.2	10.4	A
Aroclor 1260	ND		ug/kg	95.2	17.6	A
Aroclor 1262	ND		ug/kg	95.2	12.1	A
Aroclor 1268	ND		ug/kg	95.2	9.87	A
PCBs, Total	ND		ug/kg	95.2	8.46	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	111		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BLDG 8, FORMER A.F. BASE S1

Lab Number: L2028529

Project Number: 2161937.049

Report Date: 07/14/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 13-27 Batch: WG1390460-2 WG1390460-3									
Aroclor 1016	77		73		40-140	5		50	A
Aroclor 1260	70		67		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		75		30-150	A
Decachlorobiphenyl	74		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		74		30-150	B
Decachlorobiphenyl	73		69		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: BLDG 8, FORMER A.F. BASE S1

Lab Number: L2028529

Project Number: 2161937.049

Report Date: 07/14/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-12 Batch: WG1391227-2 WG1391227-3									
Aroclor 1016	98		100		40-140	2		50	A
Aroclor 1260	107		111		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		106		30-150	A
Decachlorobiphenyl	129		137		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		105		30-150	B
Decachlorobiphenyl	111		115		30-150	B

INORGANICS & MISCELLANEOUS

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-01
Client ID: 1A-E NORTH
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.1		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-02**Client ID:** 2A-D WEST**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 10:20**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.3		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-03**Client ID:** 3A-D WEST**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 10:35**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.2		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-04
Client ID: 4A-E SOUTH
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 10:45
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.3		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-05**Client ID:** 5A-D EAST**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:00**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.2		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-06
Client ID: 6A-D EAST
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:10
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.1		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-07
Client ID: 7A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:15
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.5		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

SAMPLE RESULTS

Lab ID: L2028529-08
Client ID: 8A-C INTERIOR
Sample Location: 4777 DEWEY AVE, ROCHESTER NY 14612

Date Collected: 07/07/20 11:20
Date Received: 07/07/20
Field Prep: Not Specified

Sample Depth:
Matrix: Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.6		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-09**Client ID:** 9A-C FLOOR**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:25**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.1		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-10**Client ID:** 10A-C FLOOR**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:35**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-11**Client ID:** 11A-C FLOOR**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:40**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.2		%	0.100	NA	1	-	07/08/20 14:43	121,2540G	SB



Project Name: BLDG 8, FORMER A.F. BASE S1**Project Number:** 2161937.049**Lab Number:** L2028529**Report Date:** 07/14/20**SAMPLE RESULTS****Lab ID:** L2028529-12**Client ID:** 12A-C FLOOR**Sample Location:** 4777 DEWEY AVE, ROCHESTER NY 14612**Date Collected:** 07/07/20 11:50**Date Received:** 07/07/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.9		%	0.100	NA	1	-	07/08/20 16:26	121,2540G	SB



Lab Duplicate Analysis

Batch Quality Control

Project Name: BLDG 8, FORMER A.F. BASE S1

Project Number: 2161937.049

Lab Number: L2028529

Report Date: 07/14/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG1390068-1 QC Sample: L2028517-01 Client ID: DUP Sample						
Solids, Total	95.2	95.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG1390097-1 QC Sample: L2028529-12 Client ID: 12A-C FLOOR						
Solids, Total	97.9	97.6	%	0		20

Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2028529-01A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-01B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-02A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-02B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-03A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-03B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-04A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-04B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-05A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-05B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-06A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-06B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-07A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-07B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-08A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-08B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-09A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-09B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-10A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-10B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-11A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)
L2028529-11B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-12A	Glass 60mL/2oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8082-CNCRT(14)

Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2028529-12B	Plastic 2oz unpreserved for TS	A	NA		3.2	Y	Absent		TS(7)
L2028529-13A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-14A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-15A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-16A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-17A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-18A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-19A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-20A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-21A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-22A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-23A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-24A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-25A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-26A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)
L2028529-27A	Glass 120ml/4oz w/1:4 Acetone:Hexane	A	NA		3.2	Y	Absent		NYTCL-8082-3540C_CM2(14)

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



Project Name: BLDG 8, FORMER A.F. BASE S1**Lab Number:** L2028529**Project Number:** 2161937.049**Report Date:** 07/14/20**Data Qualifiers**

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: BLDG 8, FORMER A.F. BASE S1
Project Number: 2161937.049

Lab Number: L2028529
Report Date: 07/14/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-0220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 100		Page 2 of 3		Date Rec'd in Lab 7/8/20		ALPHA Job # L2078529																																																																																																																																																																																																																							
Client Information Client: LaBella Associates Address: 300 State St. Suite 201 Rochester, NY 14614 Phone: (607) 521-7516 Fax: _____ Email: cstamp@labellapc.com		Project Information Project Name: Building 8, Former Air Force Base S1 Project Location: 4777 Dewey Ave, Rochester NY 14612 Project # 2161937, 049 (Use Project name as Project #) ☒ Project Manager: Terrad Miner ALPHAQuote #: _____ Turn-Around Time: Standard ☒ Due Date: _____ Rush (only if pre approved) ☐ # of Days: _____		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUS (1 File) ☐ EQUS (4 File) ☐ Other _____		Billing Information ☒ Same as Client Info PO # _____																																																																																																																																																																																																																									
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		-14		Window C2		0932				CS				✓		2	
		-15		Transformer A2		0935				CS				✓		1	
		-16		Transformer A2		0940				CS				✓		1	
		-17		Transformer A3		0942				CS				✓		2	
		-18		Utility Box D		0950				CS				✓		1	
		-19		S I-Beam West Side 1		0951				CS				✓		1	
		-20		S I-Beam West Side 2		0952				CS				✓		1	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ I/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encone D = BOD Bottle		Westboro: Certification No: MA035 Mansfield: Certification No: MA015		Container Type Preservative		A P A A A O		Relinquished By: Date/Time		Received By: Date/Time		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)			
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 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Main St. TEL: 508-896-8220 FAX: 508-896-8185		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 100		Page 3 of 3		Date Rec'd in Lab 7/8/20		ALPHA Job # 12028529	
Client Information Client: Address: Phone: Fax: Email:		Project Information Project Name: Project Location: Project #: (Use Project name as Project #) ☐ Project Manager: ALPHAQuote #:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQd/S (1 File) ☐ EQd/S (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge	
Turn Around Time Standard ☐ Due Date: Rush (only if pre approved) ☐ # of Days:		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:		Other project specific requirements/comments:		ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)	
These samples have been previously analyzed by Alpha: ☐		Please specify Metals or TAL.		Sample Specific Comments		Sample Specific Comments		Sample Specific Comments	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials				
28529-21	SI-Beam W Side 3	7-7	0953	W	CS	✓			1
28529-22	SI-Beam W Side 4	7-7	0954	W	CS	✓			1
28529-23	SI-Beam W Side 5		0955	W	CS	✓			1
28529-24	NI-Beam W Side 1		0956	W	CS	✓			1
28529-25	NI-Beam W Side 2		0957	W	CS	✓			1
28529-26	NI-Beam W Side 3		0958	W	CS	✓			1
28529-27	NI-Beam W Side 4		0959	W	CS	✓			1
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn AcNaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Beaker Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA835 Mansfield: Certification No: MA015		Container Type A		Preservative O	
Relinquished By: RCummins/KAM AAL		Date/Time: 7/7/20 19:00		Received By: RCummins/KAM AAL		Date/Time: 7/7/20 17:00		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	

Appendix E

Licenses and Certifications

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

LaBella Associates, D.P.C.
Suite 201
300 State Street
Rochester, NY 14614

FILE NUMBER: 99-1172
LICENSE NUMBER: 29278
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 02/06/2020
EXPIRATION DATE: 02/28/2021

Duly Authorized Representative – Greg Senecal

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2021
Issued April 01, 2020

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

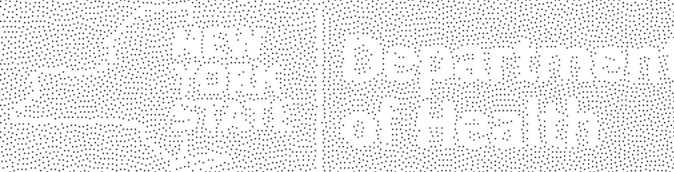
MR. MATTHEW SMITH
LABELLA ASSOCIATES
300 STATE STREET SUITE 200
ROCHESTER, NY 14614

NY Lab Id No: 11184

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)



Serial No.: 61301

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2020
Issued April 01, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

NY Lab Id No: 10920

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Metals I

Lead, Total EPA 7000B

Miscellaneous

Asbestos in Friable Material Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM Item 198.4 of Manual

Lead in Dust Wipes EPA 7000B

Lead in Paint EPA 7000B

Sample Preparation Methods

ASTM E-1979-17

Department
of Health

Serial No.: 59486

Property of the New York State Department of Health. Certificates are valid only at the address shown; must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

United States Environmental Protection Agency

This is to certify that

Labella Associates, D.P.C.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires September 26, 2021

LBP-2226-1

Certification #

September 04, 2018

Issued On



Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

United States Environmental Protection Agency

This is to certify that



Cory J Stamp

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires October 24, 2022

LBP-R-I206349-1

Certification #

October 10, 2019

Issued On



John Gorman, Chief

Pesticides & Toxic Substances Branch





AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Schneider Laboratories Global, Inc

2512 West Cary Street, Richmond, VA 23220-5117

Laboratory ID: 100527

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2017 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

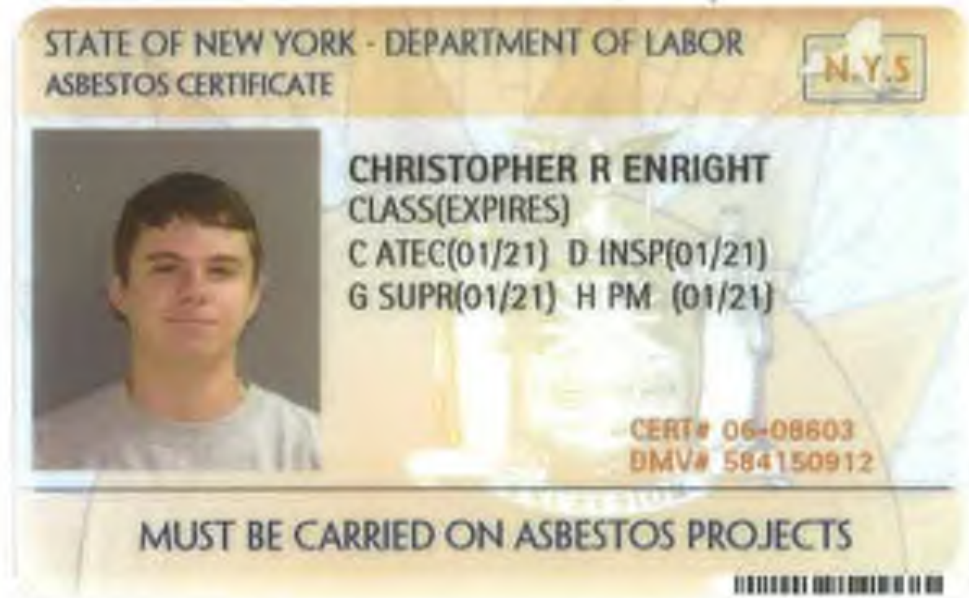
LABORATORY ACCREDITATION PROGRAMS

☒ INDUSTRIAL HYGIENE	Accreditation Expires: July 01, 2021
☒ ENVIRONMENTAL LEAD	Accreditation Expires: July 01, 2021
☒ ENVIRONMENTAL MICROBIOLOGY	Accreditation Expires: July 01, 2021
☐ FOOD	Accreditation Expires:
☐ UNIQUE SCOPES	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC



Appendix F
PCB Sampling Plan
(HDR Engineering, Inc.)

**PCB SAMPLING PLAN
FORMER AIR FORCE PLANT 51 – BUILDING #8
(NYSDEC Site Number 828156)**

**PREPARED FOR
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
BUREAU OF ENVIRONMENTAL REMEDIATION
625 BROADWAY
ALBANY, NEW YORK 12233**

**Prepared by
Henningson, Durham & Richardson Architecture and Engineering, P.C.
in association with HDR Engineering, Inc.**

1 International Boulevard
Mahwah, NJ 07495

Date: April 22, 2020

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1.0 INTRODUCTION

This sampling plan has been prepared by Henningson, Durham & Richardson Architecture and Engineering, P.C., in association with HDR Engineering, Inc. (HDR) on behalf of the New York State Department of Environmental Conservation (NYSDEC) to further assess PCB impacts at Building #8 at the Former Air Force Plant 51 (AFP51) site in Greece, New York. This sampling plan considers the U.S. Environmental Protection Agency (EPA) guidance for sampling per 40 CFR Part 761.61(a)(3) in its sampling approach. Implementation of this plan will provide information needed to implement the proposed demolition of Building #8 to the existing slab grade. As such, this plan focuses on the existing Building #8 structure and building materials, along with the floor slab surface. Pending sampling results, the building slab may remain in place or be removed with potential excavation and off-site disposal of sub-slab soils in the future. As described herein, HDR will fully inventory the status and condition of building materials during the proposed sampling event and identify needs for lead-based paint (LBP) and asbestos-containing materials (ACM) surveys of the building that are anticipated to also be required for demolition planning purposes.

As part of NYSDEC Contract D007625, Work Assignment #8, NYSDEC has authorized HDR to prepare and implement this sampling plan to further assess PCB impacts associated with Building #8. Remediation (demolition) support is scoped under Work Assignment #24 (pre-demolition LBP and ACM survey work may also be conducted under Work Assignment #24). Building #8 is part of Operable Unit 2 (OU2), at AFP51 (Figure 1). In 2009, the NYSDEC listed the AFP51 site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. A Class 2 site is a site where hazardous waste presents a significant threat to the public health or the environment and action is required.

2.0 SITE BACKGROUND AND HISTORY

2.1 Site Location and Description

The AFP51 site consists of an approximately 33.6-acre property (addressed as 4777 Dewey Avenue) located in the Town of Greece, New York. It is situated within the tax parcel identified as Block Section 046.01 Block 1 Lot 2.112 on the Monroe County Real Property Portal. Surrounding land use consists of commercial and residential use to the east, undeveloped wooded upland areas to the south, and wooded upland areas leading to wetlands and Round Pond Creek to the west. The Monroe County Water Authority (MCWA) Shoremont Water Treatment Plant is located immediately north of the site and includes remnants of a man-made channel that formerly connected the site to Round Pond and Lake Ontario.

The AFP51 site is currently unoccupied and inactive but remains zoned as light industrial. It includes several large and mid-sized buildings and slabs surrounded by paved areas, roadways, and open fields. Access to portions of the site is controlled by a wire gate. Figure 2 shows an aerial image of the site, with property boundaries, current and demolished buildings and slabs, and other reference features.

Building #8 is located along the western edge of the slab of former Building #1, within the OU2 portion of the site. Building #8 was likely constructed at the same time as Building #1, as it served as a powerhouse for the facility. This building was previously identified as containing a 12 KV switchgear for the Rochester Gas & Electric Co. electric feeder, a 600 KVA oil filled transformer bank housed in a vault, and a 1500 KVA load center and batteries that supplied control voltage for the switch gear. Transformers remain on a concrete pad located on the west side of the building. These systems have been decommissioned and are no longer in use.

The general dimensions of Building #8 are approximately 48 feet by 25 feet and cover an approximate area of 1,200 square feet. It is a single story building that contains a single large room with a semi-partitioned portion located along the northeastern wall. The construction materials include cinderblock walls supported by horizontal steel I-beams, a concrete slab floor, and corrugated metal roofing overlain with plywood and tar roofing materials. The semi-partitioned area is the transformer vault, measuring 19 feet by 10 feet, and is composed of cinderblocks, metallic grates, and metallic grate door. Three 200 KVA transformers with “No PCB” stickers, indicating prior PCB removal, are present within this vault (Figure 3). Miscellaneous other materials are noted to exist (e.g., window glaze and caulking; possible painted surfaces) in various conditions. Photographs of Building #8 which were taken in October 2017 are included in the 2017 Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (dated April 3, 2019).

Building #8 has two sets of windows, each measuring 9.25 feet in length and located along the northern half of the western wall. The primary entrance way is located on the southern wall and is partially boarded up with plywood. Two large ventilation hoods are located along the central ridge of the roof, with a smaller exhaust vent serving a now-decommissioned gas fired space heater located along the northern wall.

Several trenches / potential open floor drains are within the concrete floor slab as shown on Figure 3. The largest trench measured approximately two feet across, approximately two feet deep, and runs horizontally from the center portion of the eastern wall to the center of the room. It contains several utility conduits that either trend the length of the conduit or deviate into the concrete retaining wall of the trench and likely continue either as a sub-slab or internal slab conduit. This utility trench continues towards the former Building #1, and was visible during an outside examination of the eastern wall. Additional utility trenches / potential open floor drains exist alongside the southern half of the eastern wall, in front of the battery rack, and within the transformer area as shown on Figure 3. The three transformers present within the transformer cage each contain gateway valves located over the trench, with the trench itself filled with water. Several conduits not contained within utility trenches daylight alongside the western wall and southwestern corner. The terminus of a vast majority of these conduits, whether contained within a utility trench or as a stand-alone sub-slab or interior slab conduit outside Building #8 is unknown.

Based on measurements taken during HDR's screening-level sampling event in October 2017, the concrete slab has variable thickness measuring 10-inches to >18-inches. The thickness of the concrete may exceed 24 inches, based on the depths of open pipe trenches and floor drains observed within Building #8.

Several areas of Building #8 have suspect structural integrity. There is structural damage in the northeast corner of the building sustained during demolition activities of Building #1. Plywood and two-by-four wood beams in that corner provide temporary walls and structural reinforcement. Several vertical fractures in the cinderblock exist along the eastern wall and southern walls where the cinderblock connects with the steel I-beams. Lastly, the roof has several large holes, which daylight (and wildlife) easily penetrates.

In terms of non-structural features, plywood and polyethylene sheets, placed during remedial efforts under the Voluntary Cleanup Program, cover a portion of the Building #8 floor (Figure 3). Electric fuse boxes are present along the walls. A metallic battery rack is present in the northwestern corner with a notable yellow discoloration in the concrete slab beneath this rack. Assorted household debris (e.g., bottles of spray adhesive, old cardboard, tape reels), C&D debris, and fecal matter from nesting birds litter each surface of Building #8 in varying amounts.

2.2 Site History/Past Activities

The manufacturing facility was first owned and operated by the Odenbach Shipbuilding Corporation following its construction in 1942. It has since been occupied by numerous industrial/commercial facilities, including the U.S. government, the A.O. Smith Company, the American Machine and Foundry (AMF), and other private entities.

The plant was originally developed during world war (WW) II by the Odenbach Shipbuilding Corporation to build ocean-going ships. To launch the ships, a man-made, water-filled channel was dredged from the north end of the Building #1, which served as the shipyard, to Round Pond Creek. Today, the remaining portion of the channel (see Figure 2) is owned by the neighboring MCWA Shoremont Water Treatment Plant and used as a settling pond for sediments generated

from filter backwashing. No active discharges from the site to the channel are believed to occur at the current time.

After WWII, the plant was used by the U.S. Department of Defense (DoD) to produce B-52 bulkheads. At that time, the name of the facility was changed to “Air Force Plant 51”. Records indicate that the A.O. Smith Corporation and the American Machine and Foundry (AMF) Company occupied the site in the 1950s. In 1959, the facility was declared excess by the U.S. government. From 1961 to 1963, the property was owned by the MCWA. Since 1963, the facility has been owned by corporate relatives of the current owner, with space leased to a variety of businesses that have included scrap metal recycling and metal plating. Additional information on the site history is presented in the Final Technical Memorandum for Building #8 (HDR, April 2019).

In 2001, the current owner of the property entered the Voluntary Cleanup Program (VCP) to investigate and remediate chemical contamination related to the site. From 2001 to 2008, the owner completed a number of investigations and remediation activities at the site.

In January 2009, the owner ended their participation in the VCP. The site is now being addressed by DEC's Inactive Hazardous Waste Disposal Site program. DEC is currently implementing a remedial program at the site while continuing to identify and pursue parties who are potentially responsible for the contamination in order to recover remediation costs.

2.3 Site Ownership

The former AFP51 site is currently owned by 4800 Dewey Avenue Enterprises, Inc. (Mr. Louis Atkin). It is currently available for sale. The property was put up for auction in 2019, with no apparent offers.

2.4 Current and Proposed Site Uses

The site is currently unoccupied and inactive. As such, there is no proposed site use at this time. Future use of the former AFP51 site is anticipated to remain commercial/industrial, although ownership and specific site development activities might vary in the future.

2.5 Prior Investigation Activities –Building #8

Limited investigative activities were had been conducted to evaluate the presence of contaminants within and beneath Building #8. More recently, multi-media sampling was conducted by HDR to evaluate the extent of contamination for consideration of IRM options or building demolition. It is noted that the HDR October 2017 field investigation is considered as screening-level in support of building demolition; additional data collection is proposed herein and also will likely be required for waste classification and remedy implementation activities.

2.5.1 December 2001 NYSDEC Investigation

On December 3, 2001, the NYSDEC, Monroe County Health Department and Day Environmental, Inc. conducted a site tour and observed the following items inside Building #8:

- Containers of Chlorextol (containing PCBs) and other unlabeled containers of liquid
- Several transformers (with drain valves to drain liquids from the transformer)
- A bank of batteries

The NYSDEC required that all waste materials, including transformer fluids be characterized and any hazardous wastes be properly removed and disposed at a licensed hazardous waste disposal facility by March 6, 2002. Refer to Appendix B in the Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (HDR; April 3, 2019) for historical photographs Building #8, which were taken in December 2001.

According to a January 13, 2009 letter by Paul Hastings, Attorneys on behalf of 4800 Dewey Avenue, to the NYSDEC, a chemical material inventory was completed as part of the New York State Voluntary Cleanup Program (VCP), and inventoried materials were characterized, removed, and disposed off-site (including glass containers of Chlorextol/PCB transformer fluid, electrical equipment, some transformers, and batteries). Plastic sheeting and plywood was installed on the floor of Building #8, the access door was boarded up, and PCB signage was installed on the building's exterior. The waste material inventory is documented in a 2001 Day Environmental report.

2.5.2 January 2005 Day Environmental Independent Study

Based on Day's December 2004 progress report, two concrete chip samples and one wipe sample were collected within Building #8 for PCB laboratory analysis. Refer to Figure 3 for historical sampling locations. No additional details regarding sample collection methods were provided in the progress report. The laboratory analytical report indicated the following sample results for Building #8:

- CC-03: Aroclor-1260 = 660 ug/kg (or 0.66 parts per million - ppm)
- CC-04: Aroclor-1260 = 67,000 E ug/kg (dilution factor = 10) (or 67 ppm)
- WP-03: Aroclor-1260 = 13 ug/wipe (or 0.013 ppm/wipe)

Prior documents identified a historical concrete core sample was collected inside Building #8 with PCBs detected at a concentration of 88 ppm, as reported in a NYSDEC power point presentation. The location of this sample is believed to be the CC-04 sample prior to its dilution.

Day also collected concrete chip samples from a transformer pad outside Building #8, at its south side. These samples, identified as DAYCC-01 and DAYCC-02, were reported to have PCB concentrations at 40 ug/kg and 65 ug/kg, respectively. Wipe samples were also collected from transformers that were located within Building #1. Sample WP-01 was collected from a transformer on the western side of the north portion of Building #1 whereas WP-02 was collected

from a transformer on the western side of the south portion of Building #1. PCB results of the WP-01 and WP-02 samples were non-detect and 13 ug/wipe, respectively.

2.5.3 May 2008 Day Environmental Site Investigation

Based on the information provided in Day's May 30, 2008 Environmental Site Investigation Report for work performed between 2004 and 2007, no additional samples were collected from Building #8 during this interval. However, on December 2, 2004, Day collected a sediment sample from nearby CB-3, the closest catch basin to Building #8, which was split with NYSDEC. Aroclor-1268 and Aroclor-1260 was detected at a concentrations of 57,000 ug/kg (57 mg/kg) in the NYSDEC split CB-3 sediment sample and 16,000 ug/kg (16 mg/kg) in the Day CB-3 sediment sample, respectively (the 1268 PCB aroclor was not requested by Day during this sampling event). Other samples collected by Day in the immediate vicinity of Building #8 include the following:

- TP2-2, located north of Building #8. The subsurface soil sample, collected at 1 foot below ground surface (bgs), exhibited a concentration of 120 ug/kg (0.12 mg/kg) of Aroclor-1260.
- TP2-15A, located northwest of Building #8. The subsurface soil sample, collected at 8 feet bgs, was non-detect for PCBs.
- TP2-1, located south/southwest of Building #8. The subsurface soil sample, collected at 1-2 feet bgs, was non-detect for PCBs.
- SS2-1, located south/southwest of Building #8. The surface soil sample, collected at 0-2 inches, was non-detect for PCBs.
- TB2-17 and TB2-18, north/northwest of Building #8, respectively. Both were non-detect for PCBs.

2.5.4 HDR Building #8 Investigation (2017)

In October 2017, HDR conducted a multi-media sampling event within Building #8 to provide a preliminary characterization of potential contamination, and to evaluate a potential demolition IRM. Four concrete chip samples, four PCB wipe samples, three soil / unconsolidated material samples, and one aqueous sample were collected and submitted for laboratory analysis. All samples were analyzed for PCBs, with a subset undergoing additional analysis of Target Compound List (TCL) volatile organic compounds (VOCs), TCL semi-volatile organic compounds (SVOCs), pesticides, Target Analyte List (TAL) metals, mercury, and cyanide. Soil results were compared to the Part 375 Unrestricted Use, Commercial and Industrial Soil Cleanup Objectives (SCOs).

Laboratory analytical results from this field event are included in the Final Technical Memorandum for Building #8 (dated April 3, 2019). The sample locations and laboratory results are also included on Figure 3 of this plan. A photo log of each sample location are provided in Appendix A of the Final Technical Memorandum. Information provided in the photo log includes the corresponding Letter ID shown in the photograph captions and Figure 3 sample ID.

2.5.4.1 Concrete Chip Sampling

Four surfaces / areas were selected for concrete chip collection and laboratory analysis. Prior to sample collection, HDR personnel manually cleared any debris present on each of the surfaces selected for sample collection. Using a rotary impact hammer drill, HDR personnel drilled several 0.5-inch deep holes, producing a finely ground concrete powder that was aggregated and homogenized in a stainless steel bowl. This produced a composite sample representative of the surface / area identified for characterization. Volume requirements for laboratory analysis necessitated drilling multiple 0.5-inch holes, since a single hole would not produce enough powder to satisfy laboratory requirements. Decontamination of the drill bit and stainless steel bowl occurred via alconox and clean water rinse prior to shifting sampling locations.

The four locations were (A) the concrete slab directly in front of the water-filled trench within the transformer cage; (B) the concrete slab directly in front of the battery rack; (C) the north wall of the transformer cage; and (D) the concrete slab and few inches above the bottom of the western and southern walls. The (D) sample provided a general characterization of the building while (A) through (C) focused on areas likely to contain PCB contamination.

PCBs were detected in each of the four samples / locations. Concentrations of Aroclor-1260 were reported at 0.25 mg/kg at the (A) sampling location, 1.1 mg/kg at the (B) sampling location, 0.75 mg/kg at the (C) sampling location, and 0.54 mg/kg at the (D) sampling location.

2.5.4.2 PCB Wipe Sampling

Four surfaces were selected for PCB wipe collection and laboratory analysis. Prior to sample collection, HDR personnel identified a 100 square centimeter (cm²) area on each of the non-porous surfaces selected for sample collection. Using individual laboratory-provided hexane-treated gauze, HDR personnel wiped each 100 cm² area in three horizontal swiping motions and three vertical swiping motions, taking care to apply uniform pressure during each swipe.

The four locations were (E) the side of the metal platform, facing the gateway valve, on which Transformer #1 sits; (F) the side of the metal platform, facing the gateway valve, on which Transformer #2 sits; (G) the top of the metal platform on which Transformer #3 sits; and (H) the space between Transformers #2 and #3.

PCBs were detected in three of the four samples / locations. Concentrations of Aroclor-1260 were 4.7 ug/Wipe at the (E) sampling location, 3.1 ug/Wipe at the (G) sampling location, and 5.8 ug/Wipe at the (H) sampling location. In addition, Aroclor-1254 was detected at the (G) sampling location with a concentration of 2.2 ug/Wipe. The (F) sampling location was non-detect for PCBs.

2.5.4.3 Soil & Unconsolidated Material Sampling

Three locations were selected for soil / unconsolidated material analysis. Initially, two samples would characterize sub-surface soils and one sample would characterize the unconsolidated materials contained within a floor trench. However, due to constraints related to the variable thickness of the concrete slab, this effort shifted to providing one sub-slab sample, one floor trench

sample, and one sample of exterior soils located immediately adjacent to Building #8 at the same approximate depth of 0.5 feet bgs as the sub-slab point. This new third sampling location would provide a control / comparison point for sub-slab soils relative to exterior soils. The soil samples were analyzed for the full contaminant list of TCL VOCs, TCL SVOCs, PCBs, pesticides, TAL metals, mercury, and cyanide. Each sample was collected via stainless steel hand auger and homogenized in-situ or via stainless steel bowl.

The three locations were (I) the sub-slab soils cored through the concrete slab at the entrance of the semi-partitioned transformer cage; (J) the floor trench in front of the battery rack; and (K) directly outside of the windows in the northwest corner (refer to Figure 3 for a summary of sample locations).

PCBs were detected in the sample collected from the floor trench (J) location. The concentration of Aroclor-1260 at this location was 150 mg/kg, with a duplicate sample containing a concentration of 190 mg/kg. Both concentrations exceed the Industrial SCO of 25 mg/kg for PCBs. The sub-slab and exterior soils were non-detect for PCBs.

Analytical results of the sub-slab (I) and exterior (K) soils were generally similar with the exception that the exterior sample (K) contained a trace amount of tetrachloroethene (0.0025 mg/kg) and several poly aromatic hydrocarbons (PAHs) (0.3 to 0.48 mg/kg) whereas the sub-slab (I) soil did not. When compared to the Part 375 SCOs, the exterior sample (K) contained concentrations of lead, nickel, zinc, and p,p-DDT in exceedance of the Unrestricted Use SCO while the sub-slab (I) soil contained concentrations of nickel in exceedance of the Unrestricted Use SCO. There were no exceedances of the Commercial or Industrial Use SCOs for sub slab (I) or exterior (K) soil sample results.

2.5.4.4 Aqueous Sampling

One aqueous sample was selected for laboratory analysis. Prior to the sampling effort, HDR personnel determined based on the hydrophobic nature of PCBs, that if standing water observed within Building #8 were to contain PCBs, it would have the potential to reveal considerable contamination in the area containing that water and would warrant inclusion of the aqueous sample in the sampling effort.

The one aqueous sample location was (L) the water-filled trench directly in front of the three transformers within the transformer cage. PCBs were detected in the aqueous sample with Aroclor-1260 detected at 0.78 microgram per liter (ug/L) or parts per billion (ppb). Although the trench contains water, the integrity of the trench is not known and further evaluation is needed.

Investigation Summary of Building #8: Historical data and the October 2017 investigation results indicate that PCBs exist at concentrations >50 ppm and <500 ppm in concrete chip and wipe samples collected in the vicinity of the former transformers, and in concrete chip samples collected in the southwestern and southern portions of Building #8. PCBs were also identified in the floor trench, south of the battery rack at concentrations >50 ppm and <500 ppm. Very low concentrations of PCBs (0.78 ppb) were detected in the aqueous sample from the water filled transformer trench. One sub-slab soil sample and one exterior soil sample were obtained from

Building #8, both of which did not indicate the presence of PCBs in soil. However, in the absence of sufficient soil data and the unknown nature of the subsurface beneath the plywood/poly sheeting area in the central portion of the building beneath the transformer pad area and the trenches, impacted soil may be present beneath the building slab.

Based on HDR's analysis of investigation data and historical PCB usage within Building #8, an IRM appears to be applicable for the Building #8 area. Demolition to address PCB-contaminated and non-impacted building materials, and removal of the former transformers and battery rack and other materials down to the floor slab, will remedy potential contaminant sources. Based on observations, the roof materials may contain asbestos-containing material (ACM). Additionally, due to the age of the building, lead based paint (LBP) may also be present. HDR notes that this sampling plan was developed to focus on the demolition of the building itself (down to the slab on grade, but not removing the slab). It is understood that assessment and removal/remediation (if necessary) of the floor slab and sub-slab soils / piping will be further considered at a future time.

3.0 NATURE OF THE CONTAMINATION

A primary contaminant leading to the listing of this site on the NYSDEC Registry of Inactive Hazardous Waste Sites was PCBs which are attributable to the switch gear house at Former Building #8. The floor of Building #8 consists of a concrete slab, on which an electric feeder, a transformer, a load center and batteries were located. Investigations in this area have focused on identifying PCB contamination as described in Section 2.5. PCBs are present in one concrete floor sample at a concentration above 25 mg/kg, which is the NYSDEC Part 375 industrial use soil cleanup objective. Results of soil sampling immediately adjacent to Building #8 do not show any exceedances of the Part 375 commercial use soil cleanup objective of 1 mg/kg. Based on the sample results collected to date, the extent of PCBs may be limited to the concrete floor of Building #8.

The environmental investigation of AFP51 in the vicinity of Building #8 and surrounding area consisted of numerous soil and groundwater samples for a broad suite of compounds, including volatile and semi-volatile organic compounds (VOCs and SVOCs), pesticides, PCBs and metals. However, sampling within Building #8 is limited to two events: Day Engineering in 2004 and HDR in 2017. Table 1 (below) provides a summary of the PCB analytical results. Table 2 (attachment following the text) provides the results of 9 concrete chip samples, 8 wipe samples, 1 exterior surface and 1 sub slab soil sample, 1 sediment and 1 water sample (floor trench; data is summarized on Figure 3). PCBs were detected at concentrations exceeding 50 parts per million (ppm) in three samples, which include two concrete chip samples (CC-04 and CC-05) and one sediment sample. The two concrete chip samples may have been collected at the same location with one sample being a duplicate as the location of CC-05 was not presented on a figure included with the Day Engineering December 2004 Progress Report. Also, CC-05 was not specifically mentioned within that progress report.

Copies of laboratory analysis reports from 2017 are provided in historic documents which are included in the Final Technical Memorandum Building #8 Evaluation and Conceptual IRM Scope (dated April 3, 2019).

**Table 1 - Nature and Extent of Contamination
Building #8
Range of Sampling Dates: 2004 – 2017**

	Contaminants of Concern	Concentration Range Detected (ppm) ^a	Unrestricted SCO ⁽¹⁾ (ppm)	Frequency of Exceeding Unrestricted SCO	Restricted Industrial SCO ⁽²⁾ (ppm)	Frequency of Exceeding Restricted Industrial SCO
Concrete Chip	Total PCBs	ND – 86	0.1	6 of 9	25	1 of 9
Wipe	Total PCBs	ND – 13	NA	NA	NA	NA
Surface Soil	Total PCBs	ND	0.1	0 of 1	1	0 of 1
Subsurface Soil	Total PCBs	ND	0.1	0 of 1	1	0 of 1
Sediment	Total PCBs	190	NA	NA	NA	NA
Water	Total PCBs	0.78	NA	NA	NA	NA

Criteria taken from NYSDEC Part 375 Soil Cleanup Objectives (SCOs) table for Unrestricted Use (Table 375-6.8(a)).

Criteria taken from NYSDEC Part 375 Soil Cleanup Objectives table for Restricted Industrial Use (Table 375-6.8(b))

NA – not applicable

4.0 STANDARD OPERATING PROCEDURES (SOPS) DURING SITE CHARACTERIZATION

Upon on-site mobilization to implement the Building #8 Sampling Plan, HDR staff will complete a full inventory (including photos) of all existing building materials and the conditions of the materials. This inventory will be used to refine sample locations during the mobilization and also to support the proposed building demolition. Subsequent to implementing the below-described PCB assessment of Building #8, an asbestos containing material (ACM) and lead based paint (LBP) surveys will be performed by a subcontracted firm. The subcontracted firm will have the appropriate licenses and certifications for these surveys. Scoping for the ACM and LBP surveys will be coordinated by HDR during the Building #8 sampling.

4.1 Field Sample Collection Procedures

To characterize Building #8 prior to demolition, concrete chip and surficial wipe samples will be collected for PCB analyses including eight aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268). Sample collection procedures for both sample types is provided in this section. Concrete chip sample locations are shown on Figure 4. It is noted that caulking – if present – may also be sampled to determine PCB content. Additional information regarding sample locations is discussed in Section 5.

4.1.1 Concrete Chip Samples

Concrete chip sampling will follow EPA's Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) dated May 2011. Prior to sample collection, the surface will be cleaned using a clean brush or cloth. An impact hammer drill equipped with a carbide drill bit will be used to generate concrete powder for sample collection. The drill will be advanced ½-inch into the concrete surface for the surficial sample. Multiple holes may be advanced at a specific location to generate a sufficient amount of material for the lab analyses. Each sample will be contained in individually labelled laboratory provided sample jars.

Following sample collection, the drill bit and any other sampling equipment that comes in contact with the sampled material) will be decontaminated using a soap and water wash, followed by a rinse.

4.1.2 Wipe Samples

Wipe samples will be collected from smooth and impervious, unpainted surfaces within Building #8 (for instance, windows, ventilation, exposed conduits, racks, glazing, and structural steel). Wipe samples will be collected using a 10 cm by 10 cm (or equivalent that equals 100 cm²) template that outlines the sample area. Unless the surface is wet, a gauze pad saturated with hexane will be used to collect the sample. The 100 cm² area will be thoroughly swabbed vertically using one side of the hexane-saturated wipe and then flipped to horizontally swabbed using the other side of the wipe. The wipe will be swabbed five times in each direction (horizontally and vertically). Care will be taken to assure proper use of the sampling template, as the sample results will be based on the 100 cm² sample area (i.e., µg per 100 cm²).

Following swabbing, the wipe will be rolled and placed within a sample vial provided by the laboratory. The vial will be sealed, labelled and prepared for shipment to the laboratory. If reusable, each sampling template will be decontaminated using a soap and water wash and rinse. If the template is not reusable, it will be discarded with any disposable personal protective equipment.

4.1.3 Quality Assurance/Quality Control

QAQC samples will be collected at frequencies presented in Contract Program specific plans. Field blanks will be collected at a frequency of one per 20 decontamination event for each type of sampling equipment and, at a minimum, one per equipment type and/or media per day. Field duplicates will be collected at a frequency of 1 duplicate per 20 sample media. For this effort, two field blanks and 2 duplicates are anticipated for concrete chip sampling. One field blank and one duplicate is anticipated for wipe sampling.

4.2 Laboratory Analysis Procedures

For this effort, it is understood that TestAmerica Laboratories (Eurofins) will analyze the samples as NYSDEC's Standby Laboratory Contractor. Samples bottles will be provided by the laboratory. All concrete chip samples will be extracted using USEPA Method 3540C and analyzed for PCBs following USEPA Method 8082. All wipe samples will be extracted following USEPA Method 3550B and analyzed for PCBs using USEPA Method 8082. Standard turnaround time for lab results will be requested.

Chain-of-custodies will be completed and will accompany the samples from collection in the field through analyses at the laboratory.

5.0 PCB SAMPLING LOCATIONS

Prior sample locations inside and exterior to Building #8 are shown on Figure 3 along with total PCB concentrations exceeding NYSDEC cleanup criteria (1 ppm for protection of ecological resources (PER) SCO, 25 ppm for Industrial Use SCO). Two concrete chip sample locations (CC-04 and CC-05) contained concentrations of total PCBs exceeding 50 ppm. Documentation of the CC-05 sample location, which was collected in 2004, is not available; it is possible that it was a duplicate sample of CC-04. Also, one sediment sample (AFP51-TRS-20171003; HDR 2017) and its duplicate (DUP1-20171003) contained PCB concentrations exceeding 50 ppm.

To characterize Building #8 for proposed demolition work, concrete chip samples will be collected from the building floor slab and walls. Composite samples will be homogenized from 3 to 5 aliquots collected from the same material (e.g., concrete or cinder block) within a defined area on a wall or the floor. Frequency of aliquot collection will follow the EPA guidance of one sample for every 100 square feet (ft²). Aliquots will be biased toward stained areas. Based on the building dimensions, approximately 51 concrete chip aliquots will be collected and composited. Sample distribution is anticipated as 13 slab aliquots, 8 aliquots for the east and west walls (16 total), 5 aliquots for the north and south walls (10 total) and six aliquots for both sides of an interior wall.

Sample composites are planned based on distribution presented in the Table 3 below. Initially, only the composite samples (estimated at 12) will be submitted for laboratory analysis for total PCBs (with data for 8 individual Aroclors also to be provided by the laboratory). All samples will also be analyzed for each of the 8 PCB Aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268).

Table 3 – Sample Frequency and Distribution Building #8				
Surface	Area (ft ²)	Number of Aliquots	Number of Composite Samples	Wall Features
Slab	1260	13	4	Trenches
North Wall	448	5	1	Structure damage
South Wall	448	5	1	Door
East Wall	720	8	2	Structure damage
West Wall	720	8	2	Windows
Interior Wall ¹	570	6	2	Inside and outside transformer area

1 - estimated area

Figure 4 presents a conceptual sampling strategy for concrete chip aliquot distribution for the floor slab, and the east, north, west and south walls. However, concrete chip aliquots may be redistributed to account for non-porous surfaces such as windows on the north wall and a door on the south wall.

Each aliquot will be retained by the laboratory for further analyses if needed based on a review of the composite sample data. The need for further analysis will be dependent on the sample results. If the results of a particular composite sample exceed 5 mg/kg, then each of the aliquots that formed

that composite sample will be analyzed to delineate the PCB concentrations for that composite area.

Plywood and 2 x 4s that were installed to patch the damage caused during the Building #1 demolition will not be sampled.

The frequency of wipe sampling will be dependent on an inventory of non-porous, unpainted surfaces within Building #8, along with accessibility to certain building components (e.g., roof). For this effort, 20 wipe samples are assumed. All wipe samples will be analyzed for each of the 8 PCB Aroclors (1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1268).

6.0 REPORTING

Following the receipt of all laboratory reports, a description of the field activities with a summary of the analytical results will be presented in a Building #8 Pre-Demolition Assessment Report. The report will include photographs of the building conditions, copies of field notes, and the laboratory report. The assessment report will be provided for inclusion with the specification and bid package so that the prospective bidders are aware of existing site conditions.

7.0 HEALTH AND SAFETY

All work will be conducted following HDR's health and safety plan (HASP) for the AFP51 site. The site-wide HASP has been updated to include the Building #8 sampling activity. COVID-19 guidelines and procedures, as presented in the HDR HASP, will be followed during this activity.

8.0 SCHEDULE

Following NYSDEC authorization to proceed with this sampling plan, HDR will coordinate the activity by assisting NYSDEC with notification to the laboratory with the analytical request and sample bottle / sample wipe order. Aroclor analyses will also be confirmed, as well as the plan for archiving aliquots for possible future analysis. Availability of field equipment rentals and disposables will be confirmed and orders placed. Once the laboratory and field supplies are verified, the field work will be scheduled. It is anticipated the field work will occur within two to three weeks following authorization. However, the Building #8 work may be coordinated to coincide with other planned site activities.

Implementation of the sampling plan is expected to occur over five business days. Turnaround times for laboratory analyses is assumed to be 10 to 15 business days, dependent on NYSDEC's Standby laboratory contractor. Upon receipt, the lab data will be forwarded to a HDR subcontracted data validator for validation. A draft summary report will be provided within two weeks of receiving the validated data.

TABLE 2
AFP51 BUILDING #8 PCB SUMMARY DATA

Sample ID	DAY-CC-01	DAY-CC-02	DAY-CC-03	DAY-CC-04	DAY-CC-04DL	DAY-CC-05	DAY-CC-05DL
Date Sampled	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004	11/29/2004
Sample Type	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Aroclor 1016	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1221	<72	<68	<68	<690	<6,800	<680	<6,800
Aroclor 1232	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1242	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1248	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1254	<35	<34	<34	<340	<3,400	<340	<3,400
Aroclor 1260	40	65	660	67,000 E	88,000 DP	86,000 E	120,000 D

Sample ID	DAYWP-01	DAYWP-02	DAYWP-03	DAYWP-04
Date Sampled	11/29/2004	11/29/2004	11/29/2004	11/29/2004
Sample Type	Wipe	Wipe	Wipe	Wipe
Units	ug/wipe	ug/wipe	ug/wipe	ug/wipe
Aroclor 1016	<1.0	<1.0	<1.0	<1.0
Aroclor 1221	<1.0	<1.0	<1.0	<1.0
Aroclor 1232	<1.0	<1.0	<1.0	<1.0
Aroclor 1242	<1.0	<1.0	<1.0	<1.0
Aroclor 1248	<1.0	<1.0	<1.0	<1.0
Aroclor 1254	<1.0	<1.0	<1.0	<1.0
Aroclor 1260	<1.0	13 P	13	5

Sample ID	AFP51-ES-01-20171003	AFP51-SS-01-20171003	AFP51-TRS-20171003	DUPE1-20171003	AFP51-CC-01-20171002	AFP51-CC-02-20171002	AFP51-CC-03-20171002	AFP51-CC-04-20171002
Date Sampled	10/3/2017	10/3/2017	10/3/2017	10/3/2017	10/2/2017	10/2/2017	10/2/2017	10/2/2017
Sample Type	Surface Soil	Sub Slab Soil	Trench Sediment	Trench Sediment	Concrete Chip	Concrete Chip	Concrete Chip	Concrete Chip
Units	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg	ug / kg
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND
Aroclor 1260	ND	ND	150,000	190,000	0.25	1.1	0.75	0.54

Sample ID	AFP51-SW-01-20171002	AFP51-WP-01-20171002	AFP51-WP-02-20171002	AFP51-WP-03-20171002
Date Sampled	10/2/2017	10/2/2017	10/2/2017	10/2/2017
Sample Type	surface water	Wipe	Wipe	Wipe
Units	ug / L	ug / Wipe	ug / Wipe	ug / Wipe
Aroclor 1016	ND	ND	ND	ND
Aroclor 1221	ND	ND	ND	ND
Aroclor 1232	ND	ND	ND	ND
Aroclor 1242	ND	ND	ND	ND
Aroclor 1248	ND	ND	ND	ND
Aroclor 1254	ND	ND	ND	ND
Aroclor 1260	0.78	4.7	ND	3.1



SITE LOCATION MAP
FORMER AIR FORCE PLANT NO. 51 (NYSDEC SITE # 828156)

FIGURE 1



AFP51-SW-01-20171002 (L)	
Water-Filled Trench	
10/3/2017	
PCB	ug/L
PCB-1260 (AROCLOR 1260)	0.78

AFP51-WP-04-20171002 (H)	
In-between Transformer 2 & 3	
10/3/2017	
PCB	ug/100 cm ²
PCB-1254 (AROCLOR 1254)	2.2
PCB-1260 (AROCLOR 1260)	5.8

The diagram is a floor plan of a building, likely a warehouse or industrial facility, showing various rooms and features. The plan is divided into sections labeled (A) through (J). Key features include:

- Central Room:** A large room with a brown border containing a large white rectangle labeled "Plywood & Polyethylene Sheeting". To its left is a green rectangle labeled "Assorted Debris & Polyethylene Sheeting". Below this is another green rectangle labeled "Floor Utility Trench".
- Entrance:** A "Door / Entrance (I)" is located on the right side of the central room, leading to a smaller room.
- Smaller Room:** Contains a "Water-Filled Trench (L)" (blue rectangle), three transformers (Transformer 1, Transformer 2, Transformer 3) represented by red circles, and a "Floor Utility Trench" (green rectangle). The transformers are labeled (G), (H), (F), and (E). The trench is labeled (L). The room is also labeled (A) at the top and (C) on the right.
- Other Rooms:** A room on the right is labeled "Assorted Debris" and contains a "Battery Rack" (vertical lines). A room at the bottom right is labeled "Structural Damage".
- Windows:** "Window" labels are at the top of the plan.
- Labels:** Various labels are scattered throughout, including "Assorted Debris & Polyethylene Sheeting", "Floor Utility Trench", "Door / Entrance (I)", "Water-Filled Trench (L)", "Transformer 1", "Transformer 2", "Transformer 3", "Battery Rack", and "Structural Damage".
- Section Labels:** The plan is divided into sections labeled (A) through (J).

AFP51-CC-01-20171002 (A)	
Concrete Chip - Transformer Cage Floor	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCOR 1260)	0.25

DUPE1-20171003 (TRS) (J)	
Floor Trench	
10/3/2017	
PCB	(mg/Kg)
PCB-1260 (AROCOR 1260)	190

AFP51-CC-03-20171002 (C)	
Concrete Chip - Transformer Cage N Wall	
10/2/2017	
PCB	mg/Kg
PCB-1260 (AROCOR 1260)	0.75

LEGEND		HDR 2017 Investigation	
Sample ID (A)		Detections Only	
Location		#: Concentration	
Date		(A): Sampling Location	
Analysis Group		Qualifiers (Q):	
Contaminant		B – Also detected in associated method blank	
		J – Estimated value	
		T – MS/MSD outside recovery limits	
		N – Presumptive evidence of material	

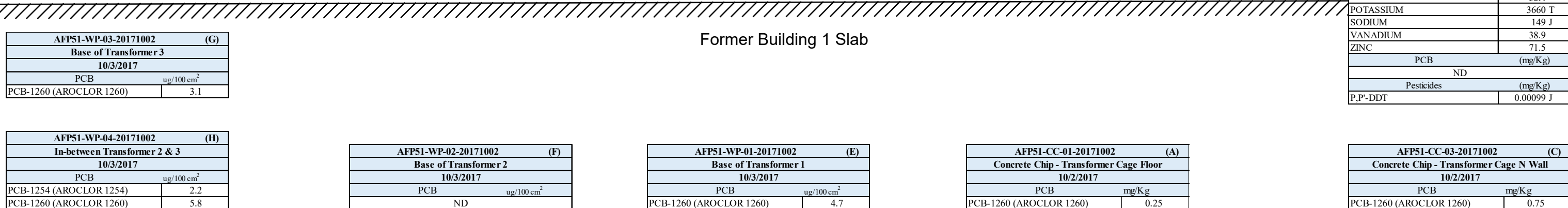
For Soils Only:

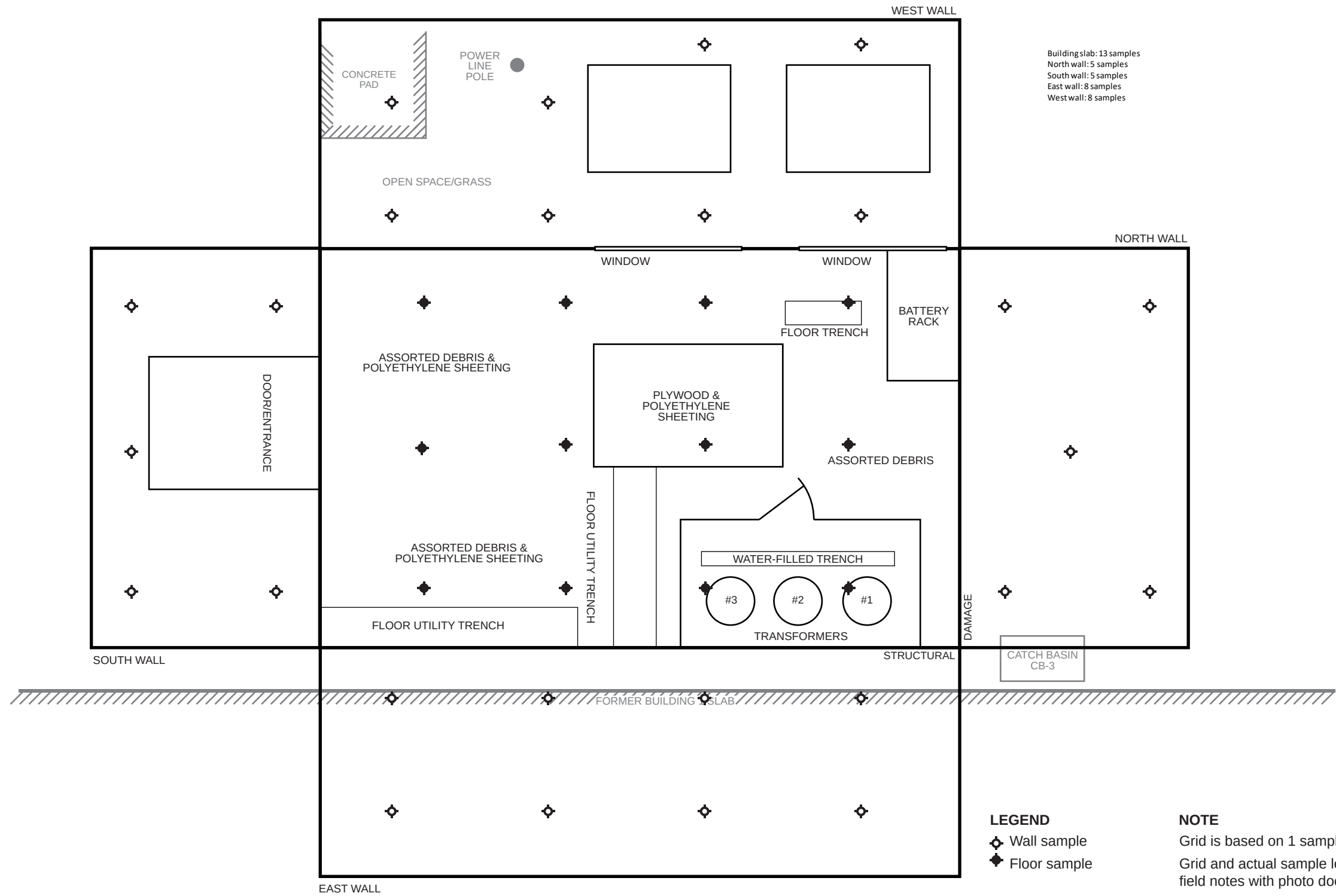
Bold: Exceedence of NYSDEC Part 375 - Unrestricted Use criteria

● Historical PCB results with approximate locations shown.
 (Reference: Independent Study, 2005, Former Air Force Plant 51, Day Environmental Inc.)

CC - Concrete Chip
 WP - Wipe Sample

Scale: NTS





0 8 ft
APPROX. SCALE
(1 in. = 8 ft)



SITE NIAGARA FALLS LANDFILL 716-282-6381
5600 Niagara Falls Blvd -Niagara Falls, NY 14304

CUSTOMER 392085
LABELLA ASSOCIATES DPC
300 STATE STREET
ROCHESTER, NY 14614
Contract:42152121288
Generator:NYSDEC

SITE 5B	TICKET # 1176386	CELL
WEIGHMASTER Pam S.		
DATE/TIME IN 1/29/21 12:03 pm		DATE/TIME OUT 1/29/21 12:22 pm
VEHICLE TRIP1106		CONTAINER
REFERENCE		
BILL OF LADING 1043093		

SCALE IN GROSS WEIGHT 53,500 NET TONS 10.92
SCALE OUT TARE WEIGHT 31,660 NET WEIGHT 21,840

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.92	tn	Tracking QTY SW-CONST DEBRIS Origin:NY-MONROE 100%				



Have a nice day. Thank you for your business!

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

NET AMOUNT

TENDERED

CHANGE

CHECK#

**NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST**

106

1043093

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number		b. Manifest Document Number		c. Page 1 of	
d. Generator's Name and Location: NYSDEC 4777 Dewey Ave, Greece NY 14612			e. Generator's Mailing Address: NYSDEC 325 Broadway 12th Floor, Albany NY 12233		
f. Phone:			g. Phone:		
If owner of the generating facility differs from the generator, provide:					
h. Owner's Name:			i. Owner's Phone No.:		
j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	Type	n. Total Quantity
A. 42162121288	12/22/2021	Non Haz Contaminated Soil	1	T	12 Yds
B.					
C.					
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
p. Generator Authorized Agent Name (Print) <i>Peter Spagnola (Agent)</i>			q. Signature <i>[Signature]</i>		r. Date <i>1/29/21</i>

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Tripl Transportation		
b. Phone: <i>Jim George</i>		
c. Driver Name (Print)	d. Signature <i>[Signature]</i>	e. Date <i>1-29-21</i>

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Allied Waste Niagara Falls Landfill LLC 5600 Niagara Falls Blvd, Niagara Falls NY 14205-3344		c. US EPA Number	d. Discrepancy Indication Space:
b. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>STEEL</i>		f. Signature <i>[Signature]</i>	g. Date <i>1/29/21</i>

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable			
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.			
g. Operator's Name and Title (Print)		h. Signature	
i. Date			

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

SITE NIAGARA FALLS LANDFILL 716-282-6381
5600 Niagara Falls Blvd -Niagara Falls, NY 14304

CUSTOMER 392065
LABELLA ASSOCIATES DPC
300 STATE STREET
ROCHESTER, NY 14614
Contract:42152121288
Generator:NYSDEC

SITE #	TICKET #	1176385	CELL	
WEIGHMASTER		Pam S.		
DATE/TIME IN		11/29/21 12:00 pm	DATE/TIME OUT	11/29/21 12:19 pm
VEHICLE		TRIP1102	CONTAINER	
REFERENCE				
BILL OF LADING 1043090				

SCALE IN GROSS WEIGHT 58,080 NET TONS 11.78
SCALE OUT TARE WEIGHT 34,520 NET WEIGHT 23,560

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
11.78	tn	Tracking QTY SW-CONST DEBRIS				
Origin:NY-MONROE 100%						



Have a nice day... Thank you for your business!

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

102

1043090

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number		b. Manifest Document Number		c. Page 1 of	
d. Generator's Name and Location: NYSDEC 4777 Dewey Ave, Greece NY 14612			e. Generator's Mailing Address: NYSDEC 325 Broadway 12th Floor, Albany NY 12233		
f. Phone:			g. Phone:		
If owner of the generating facility differs from the generator, provide:					
h. Owner's Name:			i. Owner's Phone No.:		
j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	n. Total Quantity	o. Unit Wt/Vol
A. 42152121208	12/22/2021	Non Haz Contaminated Soil	1	12 Yds	
B.					
C.					
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.					
p. Generator Authorized Agent Name (Print) <i>Peter Spagnola (Agent)</i>			q. Signature <i>[Signature]</i>		r. Date <i>1/28/21</i>

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Tripl Transportation		b. Phone: <i>#102</i>	
c. Driver Name (Print) <i>JAMES McBreger</i>	d. Signature <i>[Signature]</i>	e. Date <i>1-28-21</i>	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Allied Waste Niagara Falls Landfill LLC 5600 Niagara Falls Blvd, Niagara Falls NY 14203-3344		c. US EPA Number	d. Discrepancy Indication Space:
b. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate. <i>SOIL</i>			
e. Name of Authorized Agent (Print) <i>[Signature]</i>	f. Signature <i>[Signature]</i>	g. Date <i>1/29/21</i>	

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable			
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.			
g. Operator's Name and Title (Print)		h. Signature	
i. Date			
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both			

SITE NIAGARA FALLS LANDFILL 716-282-6381 5600 Niagara Falls Blvd -Niagara Falls, NY 14304	
CUSTOMER	392085 LABELLA ASSOCIATES DPC 300 STATE STREET ROCHESTER, NY 14614 Contract:42152121288 Generator:NYSDEC

SITE 5B	TICKET # 1176375	CELL
WEIGHMASTER Pam S.		
DATE/TIME IN 1/29/21 10:23 am		DATE/TIME OUT 1/29/21 10:48 am
VEHICLE TRIP1104		CONTAINER
REFERENCE		
BILL OF LADING 1049091		

SCALE IN GROSS WEIGHT 56,760	NET TONS 14.15	INBOUND
SCALE OUT TARE WEIGHT 28,460	NET WEIGHT 28,300	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
14.15	tn	Tracking QTY SW-CONST DEBRIS Origin:NY-MONROE 100%				



Have a nice day. Thank you for your business!

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

Garth Smith

NET AMOUNT

TENDERED

CHANGE

CHECK#



REPUBLIC
SERVICES

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

104

1043091

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number		b. Manifest Document Number		c. Page 1 of	
d. Generator's Name and Location: NYSDEC 4777 Dewey Ave, Greece NY 14612			e. Generator's Mailing Address: NYSDEC 325 Broadway 12th Floor, Albany NY 12233		
f. Phone:			g. Phone:		
If owner of the generating facility differs from the generator, provide:					
h. Owner's Name:			i. Owner's Phone No.:		
j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	n. Total Quantity	o. Unit Wt/Vol
A. 42152121288	12/22/2021	Non Haz Contaminated Soil	1	12 Yds	
B.					
C.					

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print) Pete Spagnola (Agent) q. Signature [Signature] r. Date 1/29/21

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Tripl Transportation #104		
b. Phone:		
c. Driver Name (Print) <u>Garth Smith</u>	d. Signature <u>[Signature]</u>	e. Date <u>1/29/21</u>

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Allied Waste Niagara Falls Landfill LLC 5600 Niagara Falls Blvd, Niagara Falls NY 14205-3344	c. US EPA Number	d. Discrepancy Indication Space:
b. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		
e. Name of Authorized Agent (Print) <u>SCDH</u>	f. Signature <u>[Signature]</u>	g. Date <u>1/29/21</u>

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable			
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.			
g. Operator's Name and Title (Print)		h. Signature	
		i. Date	
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both			

LANDFILL 716-282-6381
 5600 Niagara Falls Blvd -Niagara Falls, NY 14304

CUSTOMER 392085
 LABELLA ASSOCIATES DPC
 300 STATE STREET
 ROCHESTER, NY 14614
 Contract:42152121288
 Generator:NYSDEC

SITE#	TICKET #	1176371	CELL
WEIGHMASTER		Pam S.	
DATE/TIME IN		1/29/21 9:54 am	DATE/TIME OUT
VEHICLE		TRIP1116	CONTAINER
REFERENCE			
BILL OF LADING 1043087			

SCALE IN GROSS WEIGHT	51,860	NET TONS	11.39
SCALE OUT TARE WEIGHT	29,080	NET WEIGHT	22,780

INBOUND
 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
29.00	yd	Tracking Qty				
11.39	tn	SW-CONST DEBRIS				
Origin:NY-MONROE 100%						

Have a nice day. Thank you for your business!

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document.

NET AMOUNT

TENDERED

CHANGE

**REPUBLIC**
SERVICES**NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST**

116

1043087

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III**I. GENERATOR** (Generator completes Ia-r)

a. Generator's US EPA ID Number		b. Manifest Document Number		c. Page 1 of		
d. Generator's Name and Location: NYSDEC 4777 Dewey Ave, Greece NY 14612			e. Generator's Mailing Address: NYSDEC 325 Broadway 12th Floor, Albany NY 12233			
f. Phone:			g. Phone:			
h. Owner's Name:			i. Owner's Phone No.:			
j. Waste Profile #		k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No. Type	n. Total Quantity	o. Unit Wt/Vol
A. 42152121288		12/22/2021	Non Haz Contaminated Soil	1 T	12	Yes
B.						
C.						
GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.						
p. Generator Authorized Agent Name (Print)			q. Signature	r. Date		

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address: Tripl Transportation #116		
b. Phone:		
c. Driver Name (Print)	d. Signature	e. Date
Dan Belfour	[Signature]	1-29-21

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Allied Waste Niagara Falls Landfill LLC 5600 Niagara Falls Blvd, Niagara Falls NY 14205-3344		b. US EPA Number	c. Discrepancy Indication Space:
d. I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)		f. Signature	g. Date
Scott		Pam Scott	1/29/21

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:		c. Responsible Agency Name and Address:	
b. Phone:		d. Phone:	
e. Special Handling Instructions and Additional Information:			
f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable			
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.			
g. Operator's Name and Title (Print)		h. Signature	
i. Date			
*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both			

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYR000103366		2. Page 1 of 1		3. Emergency Response Phone 800-535-5053		4. Manifest Tracking Number 012370946 FLE			
		5. Generator's Name and Mailing Address NYSDEC 825 Broadway, 12th Floor Albany, NY 12233-7017 Generator's Phone: 585-295-8630		Generator's Site Address (if different than mailing address) NYSDEC 4777 Dewey Ave Rochester, NY 14612							
6. Transporter 1 Company Name Environmental Service Group, Inc. (NY)		716.695.6720				U.S. EPA ID Number NYD986903904					
7. Transporter 2 Company Name						U.S. EPA ID Number					
8. Designated Facility Name and Site Address Environmental Enterprises, Inc. - PCB 4650 Spring Grove Ave. Cincinnati, OH 45232 Facility's Phone: 513.541.1823						U.S. EPA ID Number OHD083377010					
GENERATOR	9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1	RO, UN3432, Waste Polychlorinated biphenyls, solid, 9, II, (Light Ballast)				001 DM 045 K				B007	
	2									PCB2	
	3										
	4										
14. Special Handling Instructions and Additional Information 1 - PCBX113113 ERG: 1- 171 24 Hour Emergency Contact: INFOTRAC (Caller Must ID ESG)											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Officer's Printed/Typed Name (As agent for Sean P. Winter LaBella) Signature <i>Sean P. Winter</i> Month Day Year 02/24/21											
INT'L	16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	Transporter signature (for exports only): _____										
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials										
	Transporter 1 Printed/Typed Name Sean P. Winter Signature <i>Sean P. Winter</i> Month Day Year 02/24/21										
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____										
	18. Discrepancy										
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection										
	Manifest Reference Number: _____										
	18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____										
Facility's Phone: _____											
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1.		2.		3.		4.					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a											
Printed/Typed Name _____ Signature _____ Month Day Year _____											

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number NYR000103366	2. Page 1 of 1	3. Emergency Response Phone 800-535-5053	4. Waste Tracking Number 37557
5. Generator's Name and Mailing Address NYSDEC 625 Broadway, 12th Floor Albany, NY 12233-7017			Generator's Site Address (if different than mailing address) NYSDEC 4777 Dewey Ave Rochester, NY 14612		
Generator's Phone: 585-285-8030					
6. Transporter 1 Company Name Environmental Service Group, Inc			716.695.6720		U.S. EPA ID Number NYD986903904
7. Transporter 2 Company Name					U.S. EPA ID Number
8. Designated Facility Name and Site Address American Recyclers Company 177 Wales Avenue Tonawanda, NY 14150			716.695.6720		U.S. EPA ID Number NYR000030809
Facility's Phone:					
9. Waste Shipping Name and Description			10. Containers		11. Total Quantity
			No.	Type	
1. ~~Non-RCRA Non-DOT Regulated, (PPE, Debris)~~ SPW					
2. ~~Non-RCRA Non-DOT Regulated, (Transformer Oil Water)~~			001	DM	055 G
3. Used Fluorescent bulbs for recycle			001	CF	005 P
4.					EST Weight
13. Special Handling Instructions and Additional Information					
ERG:		Approval #:	Handling Codes:		
1- 1-A-17882IN		SPW	24 Hour Emergency Contact:		
2- 2-B-17883IN			INFOTRAC (Caller Must ID ESG)		
3-			1- None		
4-			2- None		
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.					
Generator's/Offor's Printed/Typed Name Sean P. Winter (As Agent for LaBella)			Signature <i>Sean P. Winter</i>		Month Day Year 02/24/21
15. International Shipments ☐ Import to U.S. ☐ Export from U.S.			Port of entry/exit: _____		
Transporter Signature (for exports only):			Date leaving U.S.: _____		
16. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name Sean P. Winter			Signature <i>Sean P. Winter</i>		Month Day Year 02/24/21
Transporter 2 Printed/Typed Name			Signature		Month Day Year
17. Discrepancy					
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection					
Manifest Reference Number: _____					
17b. Alternate Facility (or Generator)			U.S. EPA ID Number		
Facility's Phone:					
17c. Signature of Alternate Facility (or Generator)			Month Day Year		
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a					
Printed/Typed Name			Signature		Month Day Year

DESIGNATED FACILITY TO GENERATOR